

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

4.1 Review of Past Performance 2010-11 (Up to March, 2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
1.	Microelectronics & Nanotechnology Development Programme	To establish nanoelectronics & microelectronics base in the country through setting up of centres of excellence, technology development & capacity building through sponsored R&D projects in the area of nano-electronics , nanometrology, microelectronics MEMS and VLSI design.	-	100.00	-	<p>2 new projects on Nano-electronics Centres will be initiated.</p> <p>8 new large /medium/small projects will be initiated.</p> <p>The on-going projects will be continued towards their completion.</p> <p>Establishment of two Nanoelectronics Centres at IIT Bombay and IISc Bangalore will be completed</p>	It would enable to create a strong R&D base in nanotechnology in the country.	<p>Sep. 2010</p> <p>October 2010</p> <p>March 2011</p>	<p>Nanotechnology</p> <ul style="list-style-type: none"> • 3* project on Nano-electronics Centres have been initiated. (* One project started in March 2010 itself as funds were made available) • 8* large /medium/small projects have been initiated. (*3 project were initiated during Feb-Mar 2010 itself as funds were made available) <p>- Five Nanotechnology projects have been completed and their closure is under progress.</p> <p>- Two Nanoelectronics Centres at IIT Bombay and IISc Bangalore have been established.</p>

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
						<p>Microelectronics -2 new projects in Microelectronics area will be initiated</p> <p>Development, fabrication, Productionization of ASIC based Digital Programmable Hearing Aid (DPHA) and its Deployment with C-DAC, Thiruvananthapuram</p> <p>-ASIC prototypes to be fabricated 20</p> <p>-Fabrication of PCB for body worn type DPHA:20-30 nos.</p> <p>-Enclosure fabrication for body worn type DPHA –20 – 30 nos.</p>		March 2011	<p>Microelectronics -2 projects initiated and three projects have been completed and their closure is under progress.</p> <p>Digital Programmable Hearing Aid</p> <ul style="list-style-type: none"> • 30 prototype ASIC devices fabricated • ASIC validation & testing of DPHA process completed • Design & fabrication of DPHA PCB & Test Jig completed • Design & Engineering of BW-DPHA product (including PCB, enclosure) completed • Procurement of Test equipments completed <p>Enhancement in SRUTHI DPHA programming software under progress.</p>

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
2.	Technology Development Council (including ITRA)	IT for Industrial Applications To strengthen local base for R&D/ application in Electronics and IT in the field of Industrial Electronics, Agriculture and Water Resources.	-	79.00 includes ₹ 8.00 crore for NER	-	National Mission on Power Electronics Technology Phase II (NaMPET II) <ul style="list-style-type: none"> • Initiation of the Phase-II project • Initiation of replication activity of the Full Spectrum Simulator (FSS) Technology • Initiation of replication activity for Distribution / Generation Area • Initiation of collaborative projects with user agencies • Holding of short-term courses • Initiating remaining projects following 	Enhancement of R&D infrastructure and design capability in the area of Power Electronics Technology contributing to design-led Electronics Hardware manufacturing.	May, 2010 June, 2010 November, 2010 December, 2010 June, 2010 Oct., 2010 Jan., 2011 August, 2010	Initiation of NaMPET-II has been delayed as NaMPET-I was extended up to August 2010. After recommendation of the Working Group on Industrial Applications, SFC Note on NaMPET-II was prepared and put up for approval in March, 2011.

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
						<p>technology roadmap</p> <ul style="list-style-type: none"> Sixth Industry-Academic Meet <p>Application of Electronics for Agriculture & Environment (e-AGRIEN) (expected to be approved in 2009-10)</p> <ul style="list-style-type: none"> Finalizing technology roadmap for the programme Initiation of development activities as per roadmap Initiation of a technology demonstration project 	<p>Enhancement of R&D infrastructure, design capability and demonstration on application of electronics for agriculture and environment.</p>	<p>Oct., 2010</p> <p>May, 2010</p> <p>August, 2010</p> <p>Feb., 2011</p>	<p>Project was initiated in March, 2010 with outlay of Rs.14.75 Cr. for 60 months duration.</p> <p>Technology road map finalized</p> <p>Project activities were initiated as per road map identified by the National Steering Committee.</p> <p>Four projects in the areas of Agricultural Information System, Sericulture application, Odour detection for paper and Wireless Sensor Network for tea plantation were initiated in August, 2010.</p>

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
						<ul style="list-style-type: none"> • Completion of infrastructure upgradation at C-DAC (Kolkata) • 1st workshop/seminar <p>Automation System Technology Centre (ASTeC)</p> <ul style="list-style-type: none"> • Completion of Color Sensing System including online field trial • Completion of development of object oriented Modelling and Simulation Platform 	<p>Demonstration and availability of cost-effective solutions of Automation Technologies to Indian user & manufacturing industries.</p>	<p>Two more projects in area of Olfaction for Bio technology application and Membran sensor for taste sensing have been initiated in Nov., 2010.</p> <p>March, 2011</p> <p>Nov, 2010</p> <p>April, 2010</p> <p>April, 2010</p>	<p>Infrastructure upgradation has been delayed due to more time taken in finalization of tender. Now likely to be completed in June, 2011.</p> <p>1st Workshop held in January 2011</p> <p>Project completed after extensive trials in a Paper Mill</p> <p>Project completed after testing & trials.</p>

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
						<ul style="list-style-type: none"> • Completion of Lab and field trials of all the major technology modules under development • Completion of development of Advanced Process Control Library and porting of algorithm into developed hardware 		<p>Nov, 2010</p> <p>Nov, 2010</p>	<p>9 products (iWACS, iCON, iSMART, iGate, iLoc, iCoSS, iWiSe, iWase and Simulation Platform) / technology modules are launched. Field trials of iCoSS and Simulation Platform modules completed. Implemented iSMART based DAS system at Unit No. 5 of TTPS and collected plant data for testing of soft sensor for pulverised coal flow. Implemented Superheater Steam Temperature Control Sytem at Unit 7, stage –II at NLC.</p> <p>All algorithms development and testing viz. PID/EPID, GSPID, Auto tuned PID, FLC have been completed. These algorithms are now being made programmable. Development activities in MPC are under progress. However due to technical challenges encountered in development of MPC, one more extension of three months beyond Feb. 2011 has been granted without any cost escalation</p>

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
						<ul style="list-style-type: none"> • Holding of 3rd Industry-Academic interaction <p style="text-align: center;">Intelligent Transportation System (ITS)</p> <ul style="list-style-type: none"> • Launching of web portal of ITS • Upgradation of infrastructure at nodal center • Conduct of first National Conference on ITS • Completion of design activities for the Wireless Traffic Control System project • Development and validation of Traffic 	<p>Demonstration and availability of cost effective IT solutions for the road transportation sector</p>	<p>December, 2010</p> <p>March, 2010</p> <p>June, 2010</p> <p>Sept., 2010</p> <p>Oct, 2010</p> <p>December,</p>	<p>International Conference and Tutorial on System Modeling, Optimistaion & Adanvced Process Automation (SYMOPA-2010) held on 16-19 Dec., 2010 at Thiruvananthapuram.</p> <p>ITS web portal launched.</p> <p>Lab upgradation in March 2011.</p> <p>Organized on 25-26th June 2010 at Pune</p> <p>Design activities completed. Proto Testing in campus completed.</p> <p>Work on Traffic Simulator software was progressed. Beta version will</p>

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
						<p>Simulation Software (2G – CoSiCoSt)</p> <ul style="list-style-type: none"> • Completion of field erection activities of Real Time Traffic Counting and Monitoring System • Completion of Intelligent Parking Lot Management System • Completion of System Architecture Development on Advanced Traveling Information System 	<p>2010</p> <p>January, 2011</p> <p>December, 2010</p> <p>May, 2010</p>	<p>be ready by June, 2011.</p> <p>Lab testing of loop detectors completed. Loops installed in one trial site and data collected. Work on improving the processing time and the accuracy of the video processing algorithm was progressed Installation of different types of vehicle detectors and camera at site for vehicle count analysis completed.</p> <p>Design activities completed. Proto testing completed. Field implementation at a site offered by PMC, Pune will be started in June, 2011.</p> <p>Preliminary architecture for the overall ATIS system and sub-systems for the study corridors has been defined. Issues relating to data collection, processing and dissemination finalized. Work on preparation of Synthesis report on ATIS is going on.</p>	

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
		<p>Free & Open Source Software (FOSS) Initiative</p> <p>Development and proliferation of Free/Open Source Software (FOSS) in India for bridging the digital divide.</p>				<ul style="list-style-type: none"> • Completion of Data Collection for the above project. <p>Ongoing projects under NRCFOSS Phase II will be progressed.</p> <p>Launching of NRCFOSS Portal as a platform</p> <p>Awareness and popularisation of FOSS in schools.</p>	<p>1. Proliferation and adoption of FOSS in the country will be facilitated.</p> <p>2. Collaboration on FOSS related activities in the country would increase.</p> <p>3. Use of FOSS would increase.</p>	<p>Jan., 2011</p> <p>March 2011</p>	<p>Data collection on the study corridor using a probe vehicle completed.</p> <p>1. Open source operating system BOSS/Linux desktop, version 4.0, with added features and support for all 22 constitutional languages in BharateeyyaOO brought out.</p> <p>2. NRCFOSS portal launched.</p> <p>A project titled “CBSE Trainers Training & Students Talent Transformation” has been initiated jointly with CBSE for FOSS based education in schools.</p>

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
		<p>Emerging Areas in IT</p> <p>To build and enhance competencies in Emerging Areas of Information Technology</p>				<p>Nurturing New Areas.</p> <p>Ongoing projects in the areas of Smart Cards and RFID will be progressed.</p>	<p>Adoption of RFID in various applications would increase.</p>	<p>July 2010</p>	<p>The project was successfully closed. Parcel Tracking System has been implemented for Department of Posts in six cities i.e Delhi, Mumbai, Chennai, Kolkata, Hyderabad and Bangalore covering 140 post offices. CDAC Noida has also implemented in-house people attendance system and Bio Medical Waste Management system.</p> <p>New Project Initiated :</p> <p>i) Speed Post Bags Tracking with RFID enabled Barcode Tags to be implemented by CDAC Noida</p> <p>ii) Design & Development of an Object Tracking System for Environment Sensitive Items in Transit to be implemented by CDAC, Noida.</p>
						<p>Ongoing projects in scientific computing, ubiquitous computing and perception engineering will be progressed.</p>	<p>Competencies to develop applications in the area would increase.</p>	<p>October, 2010</p>	<p>2 projects have been initiated and 2 projects are going to be initiated after approval by DIT. One Working Group recommended during the last year and the other was examined during the last quarter of 2010-11.</p> <p>These projects are :</p>

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
								<p>1.VOI- TNG – Phase II project at IUCAA, Pune (started) June, 2010.</p> <p>2. Projects on Perception Engineering Programme of DIT by NBRC, Gurgaon. Project started during February 2011.</p> <p>3.High Performance computing facility for NCMRWF, Noida by C-DAC, Pune.- Phase II as continuation project. To start after approval by DIT.</p> <p>4. Ubiquitous Phase II Project -</p> <p>Advanced research proposal in Ubiquitous Computing through C-DAC's Ubiquitous Computing Research (UCRC). Labs is under evolving and review by concerned PRSG and the next working group meeting. To start after approval by DIT.</p> <p>Progress of ongoing Perception Engineering Programme :</p> <p>Enhancement of project cost of 4 institutions out of 6 were approved</p>	

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
						Projects would be initiated to develop technologies for Digital Preservation	Technologies for preservation of Born digital data would be available.	September, 2010	<p>based on revised scope of work and funds released as per the approved revised cost estimates. The six projects are progressing as per schedule with revised scope of work. One international symposium was organised at IIT-Delhi during December, 2010. Some achievements were shown during ELITEX 2011.</p> <p>There are 5 new project proposals under examination and evolving for consideration of the next Working Group towards approval of the projects and initiating them as new projects after revising the proposals based on last Working Group's recommendations.</p> <p>15 ongoing projects are being closely monitored as per DIT norms and PRSG meetings. 5 projects have been successfully completed by 31.3.2011 and closing formalities will be initiated soon.</p>

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
		<p>E-Commerce</p> <p>The program would result in proliferation of e-commerce in the long run</p> <p>IPR Promotion Programme</p>				<p>Projects would be initiated for use of ICT for low carbon emissions.</p> <p>Expansion of TIDE scheme will be taken-up.</p> <p>Ongoing projects on mobile commerce would be progressed.</p> <p>Profile of IPR filed and Granted</p> <p>SIP-EIT Scheme to provide support to SMEs for filing International Patent</p> <p>Conduct of Workshops/ Seminars for IPR awareness</p>	<p>ICT for low carbon emissions in specific domains</p> <p>Promotion of start-up companies</p> <p>Proliferation of m-commerce in the country.</p> <p>50 IPRs to be filed</p> <p>25 Cases to be Processed.</p> <p>10 Seminars</p>	<p>June 2010</p> <p>Dec 2012</p> <p>March 2012</p> <p>March 2011</p> <p>March 2011</p> <p>March 2011</p>	<p>Project has been initiated for development of ICT technologies for Smart Buildings with low carbon emissions.</p> <p>Total 17 institutions are being supported under TIDE scheme which include 4 centres this year.</p> <p>Progressing</p> <p>191 cases filed</p> <p>Received 12 cases and 5 approved for support.</p> <p>8 seminars conducted and delivered talks in another 4 seminars.</p>

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
						New projects to be initiated.	March 2011	2 new projects have been initiated. These include (i) “IPR awareness Programme in E & IT” to be implemented by IIT Kharagpur, CDAC Pune and DIT, New Delhi and (ii) A 7 Minutes 2D Animation Movie on E-Governance and IPR by Anna University, Chennai.	
		IT Research Academy (ITRA) To build a National Resource for advancing the quality and quantity of R&D in IT and Electronics				Establishment of ITRA HQ	September, 2010	A project steering Implementation Group (PSIG) has been setup for the implementation of the project.	
						Identification and initiation of four Participating Institutions.	March 2011	Ongoing	
						Identification and initiation of eight	March 2011	Ongoing	

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
		<p>Bio-informatics Initiative To enhance research capabilities in Bio-Informatics in the country.</p>				<p>Research Groups</p> <p>1. Three Centres of Excellence for Research and Training have been established to develop S/w tools and databases to help in Genomic Research, Drug Designing and preserving Biodiversity and impart skill set through modular courses and seminars/ workshops.</p>	<p>Workshop on Immuni-informatics. Sep, 2010</p> <p>Seminar on Computational Biology Sep, 2010</p> <p>Databases and s/w tools for Immune Epitope Prediction and Peptide Binding proteins. Dec, 2010.</p> <p>Development of tissue cell specific prediction program for genes.</p>	<p>Achieved</p> <p>Achieved</p> <p>Achieved</p> <p>Achieved</p>	

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
							<p>Mar, 2011</p> <p>Bioinformatics applications for molecular basis of Type2 Diabatics mellitus. Mar, 2011</p> <p>Conducting Modular courses. Continuing Process.</p> <p>Basic Prototype readiness. May, 2011</p> <p>Rules Engine Enhancement .Dec, 2011</p> <p>Testing using Large</p>	<p>Achieved</p> <p>Achieved</p> <p>Achieved</p> <p>Achieved</p>	

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
						3. Agri-Bioinformatics Promotion Programme, 5 Centres have been set up.	<p>datasets March, 2011.</p> <p>Bio-informatics approaches for identification of Resistant gene in crop Genome-Data collection literature survey. March, 2011</p> <p>Establishment of databases for Indian Wheat genotypes and DNA based markers in wheat-design and data-collection.</p>	<p>Achieved</p> <p>Achieved</p>	

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
							<p>March, 2011</p> <p>Insilico Characterization of endangered and rare medicinal plants of Gujrat-database creation. March, 2011</p> <p>Database development and annotation of pigeonpea-data collection, data updation March, 2011</p> <p>National Workshop on crop Genomics Jan, 2011</p>	<p>Achieved</p> <p>Achieved</p> <p>Achieved</p>	

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
							<p>Workshop on Bioinformatics in Plant Research Sep, 2010</p> <p>Seminar on Agribioinformatics Tools Sep, 2011</p> <p>Skill set inculcation through training. Continuing Process</p> <p>Data updating and Curation. May, 2010 Beta Release of database and Workshop on Database</p>	<p>Achieved</p> <p>Achieved</p> <p>Achieved</p> <p>Achieved</p>	

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
						5. Development of microbial database of North East India	<p>created. March, 2011</p> <p>Isolation of microbes, biochemical and molecular characterization on Aug, 2010.</p> <p>Score sheet preparation and initiation of database. March, 2011.</p>	<p>Achieved</p> <p>Achieved</p>	

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
3.	Convergence, Communication Broadband and Strategic Electronics	<p>To undertake R&D in Convergence, Communication & Broadband Technologies and Strategic Electronics.</p> <p>The outcome of R&D projects will result in establishing capability in emerging technologies bringing economic benefits and e-inclusion, safety, security and improved quality of life.</p> <p>The R&D will lead to</p>	-	25.00 includes ₹ 3.00 crore for NER	-	<p>Initiation of 20-25 projects in development/application of the next generation wired /wireless communication & broadband technologies such as SDR, Cognitive Radio, MIMO, OFDM, Wi-Fi, WiMAX, WSN, UWB, TETRA, Broadband on Power Line, NGN & projects in applications for disaster management, safety, security, surveillance and robotic systems.</p> <p>To arrive at specifications for users suiting to Indian conditions, demonstration and testing of new products and technologies developed.</p> <p>Execution of MoUs and Transfer of Technology</p>		<p>On an average 6 projects in quarter are proposed to be initiated. The projects are generally of 1-3 years duration.</p>	<p>Eighteen new project proposals were approved and are being implemented in the following areas:</p> <ul style="list-style-type: none"> -Next Generation Convergence Communication technologies: Software Defined Radio, Cognitive Radio including white spaces, 60 GHz Wireless Network, MIMO/OFDM , TETRA, Wi-Max, Green BWA, Wireless mesh network and QoS. -Wireless Sensor Networks applications : Intelligent transport systems, landslide detection, gas detection, underwater detection, 6LowPAN) -Broadband Technologies: Smart antenna & broadband antenna, RF MEMS, Multimedia over IP - Content based network, mobile value added applications, DTH multilingual subtitling - ICT applications in strategic sector: ST radar & advanced robotics, amateur radio digital connectivity. <p>There are 42 ongoing projects that</p>

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
		excellence in state-of-art technologies, creation of patents, support productionisation and cost effective deployment for both domestic and international markets.				(ToTs)		are under implementation and are being monitored by respective PRSG.	
4.	Components & Material Development Programme	To support Infrastructure development and R & D projects for the development of Electronic Materials	0.60	25.00	11.10	Development of liquid crystalline polymers Development of lead free x-ray absorbing coating materials for TVs Oxide films and nanostructures for advanced sensors &	To develop Liquid Crystalline materials and demonstrate one application To develop lead free material for X-ray absorption To develop photovoltaic cell for solar	Sep.2010 April 2010 April 2011	Completed Completed Completed

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
						energy systems	energy conversion		
						Studies on synthesis and characterization of p-type ZnO thin films for electronic paper and spintronix applications	To develop p-type ZnO for exploring possible application at e-paper	April 2010	Completed
						Magnetic materials for high-permeability GHz-frequency inductors	To develop inductors of high permeability and GHz frequency.	March 2011	Completed
						TMR materials and systems for very high density data storage technology and spintronic devices	To develop TMR materials for information storage, and emerging technology	March 2011	Completed
						Synthesis of Nano NTC material and development of chip in	To develop fast response nano NTC sensors	March 2011	Completed

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
						<p>glass fast response thermal sensors</p> <p><u>New Initiatives</u> Preparation of Carbon Aerogel and Development of Aerocapacitor for Electronic Applications</p> <p>Design & Development of Piezoelctric Multilayer Actuator for MEMS based Micro valve</p> <p>Synthesis and Development of Broadband EMI shielding materials using Magneto-dielectric Nanoparticles</p> <p>To initiate new projects on Electronics materials</p>	<p>To develop the aerogel capacitor</p> <p>To develop Piezoelctric Multilayer Actuator for MEMS based Micro valve</p> <p>To develop Broadband EMI shielding materials using Magneto-dielectric Nanoparticles</p>	<p>April, 2010</p> <p>April, 2010</p> <p>April, 2010</p> <p>September, 2010</p>	<p>Equipments are being purchased. Carbon aerogel are being prepared. Development work of aerocapacitor of two specific values (say, 0.22 F and 1.00 F), are undertaken</p> <p>Equipments are being purchased. Target specifications are identified as per manufacturing tolerances. Development activity is going on.</p> <p>Equipments are being purchased. Material synthesis and development activity on EMI shielding materials using Magneto-dielectric Nanoparticles is going on.</p> <p>Projects, namely, “Environmentally sound methods for recovery of</p>

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
		To support development and initiatives to eradicate the issues related to electronics products affecting the environment				and components			metals from Printed Circuit Boards” at C-MET, Hyderabad and “Hybrid solar cells based on organic polymers and Inorganic Nano particles” at C-MET, Pune had been initiated along with industry participations.
						Establishment of testing facilities for the hazardous substances as per European Union (EU) Directive of Restricting the use of hazardous substances (RoHS)	To establish a centre for testing of hazardous substances and RoHS certification	October 2010	Extended till October 2011 The Project is in concluding stage.
						Development of processing technology for recycle & reuse of electronic waste	To develop low cost technology to recycle electronic waste	September 2010	Completed
		<u>PHOTONICS</u>				Installation of FCS Systems at 10 organizations	Spreading the base of Biophotonics for Health care	July 2010	Completed
		To nurture photonic technologies relevant in IT							

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
		and optical communication as well as develop technologies in the broader application areas of Photonics through sponsored R & D projects.				Holding of second Workshop	Oct 2010	Completed	
						Completing the set up for Photo-darkening measurements in high power fiber lasers	April 2010	Completed	
						Make operational the system for Dev of High power fiber lasers by nanoparticle Deposition	Sept 2010	Completed	
						Implementation of the gain flattening in the system	June 2010	Completed	
						Initiate new projects in the area solid state lighting	June 2010	Projects initiated at Three institutions	
		To support R & D projects for the				Integrated Electronics Packaging Optimization of lead	Process for Integrated Glass-Ceramic	March, 2011	• Optimization of soldering process was done for connecting/ soldering the kovar pins and the

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
		development of Electronic Materials				<p>free solder bumping including bath composition and UBM Selection of appropriate ferrite & dielectric material for LTCC applications</p> <p>Nanomaterials and devices</p> <ul style="list-style-type: none"> • Optimisation of parameters to obtain nano particles of metal oxides(ZnO and TiO₂) by Transferred Arc Plasma Reactor • A process for preparation of quantum dots of QDs of Cu₂Se and Ag₂Se in various matrices including polymers. • Bi₂S₃ doped glass-nanocomposites for 	<p>Packaging</p> <p>Generation of Nano-powders, Nanocomposite & Quantum dots of metals/ semiconductors/ for Electronics Technology and allied applications</p>	<p>March, 2011</p>	<p>seal ring to the conductor pads of the LTCC package.</p> <ul style="list-style-type: none"> • Optimization of photolithography process is in progress • Several batches of three types of ferrites were prepared and characterized for their dielectric properties, VSM studies, Squid and XRD analysis. • Al nano particles were synthesized by varying the quench conditions and reactor pressure and characterized by using SEM, AFM and XRD. • The characterization of silver selenide samples by IR, XRD, TEM has been completed. • Developed lead free X-ray absorbing polymer nanocomposites using novel binary(Bi₂S₃) and ternary (BaBi₂S₄) sulphides and optimized the formulation. • Prepared prototype apron by coating the developed formulation

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
						<p>X-Ray absorption.</p> <ul style="list-style-type: none"> • BaSO₄- Polymer nanocomposite for X-ray absorption • Nanostructured CdIn₂S₄ as a Photocatalyst for hydrogen generation. • Development of n – type and p- type transparent conducting oxide thin films • Development of NTC Thermal sensors. <p>Ultra high purity materials</p> <ul style="list-style-type: none"> • Fine tuning and characterization of vacuum refining/ zone-refining of gallium. • Production of 7N Zn after establishing characterization of 	Process technology/ Pilot plant scale production of ultrapure metals	March, 2011	<p>on cotton cloth.</p> <ul style="list-style-type: none"> • Performed qualitative and quantitative X-ray absorption measurements. • Hydrogen generation study was done using marigold shaped nanostructured CdIn₂S₄ as a photocatalyst. • XRD studies of the CuAlO₂ films revealed the polycrystalline nature the films with small grain size (~22nm). • Developed different B-value material compositions, suitable for thick film sensors and studied it's electrical and thermal aging. <ul style="list-style-type: none"> • 7N grade Ga is prepared and the material is ready for end user trials. • 7N grade Zn is prepared and the material is ready for end user trials.

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
						<p>6N purity Zn</p> <ul style="list-style-type: none"> • Single crystal high purity Bi crystals of 6N purity. • Nanopowder preparation, optimization and subsequent production <p>Materials for Renewable Energy Fabrication of aerogel supercapacitors using carbon aerogel electrodes.</p> <p>Piezo sensors and Actuators</p> <ul style="list-style-type: none"> • Development of ML bender actuator • Development of novel piezoelectric materials systems for microactuators 	<p>Process for renewable energy material.</p> <p>Process/technology for sensors and actuators.</p>	<p>March, 2011</p> <p>March, 2011</p>	<ul style="list-style-type: none"> • 6N pure bismuth is prepared. The material is ready for end user trials. • The process for preparation of Ti-Sn oxide nano composite by chemical and physical synthesis route is optimized. • Fabricated carbon aerogel based electrodes of thickness 100-120 µm. • Fabricated aerogel supercapacitor of cell capacitance 0.25 to 1.02 F and evaluated their electrical properties. • ML bender actuators without internal electrodes fabricated. • Piezoelectric thin films (film thickness = 2.0 µm.) based on PZT with preferential crystallographic orientations {110}, {111}, and {100} have been successfully fabricated on Silicon substrates.

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
5.	Electronics in Health & Tele-medicine	To promote development of medical electronic equipment, rehabilitation devices and Telemedicine Systems.	-	16.00 includes ₹ 2.00 crore for NER	-	Establishment of batch fabrication facility for Linac machines Initiation of TOT of indigenously developed medical electronics products. Initiation of projects for deployment of linac machines for cancer treatment.	December 2010 September 2010 February, 2011	PRSG reviewed the progress of the project in March 2011. Construction activity completed and air conditioning is in progress. Installation of some of the equipments completed. Procurement action in progress for remaining equipment. Initial screening of the prospective manufacturers completed by the SAMEER's internal Screening Committee and three industries have been short-listed for consideration in the next round of meeting of screening. The PRSG reviewed the methodology and findings of the Committee during March 2011. Site preparations at Amaravati, Indore and Madurai hospitals are in progress. Siddharth 3 Linac is ready for radiation testing and Siddharth 4 is being integrated and tested at SAMEER, Mumbai	

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
						Initiation of new R&D projects in the area of Medical electronics & Telemedicine.		March 2011	Out of 34 project proposals received, 16 proposals were screened and placed before the Working Group for consideration in its meeting on 01.03.2011. Based on the Working Group's suggestions the recommended project proposals are to be revised by the implementing agencies and submitted to DIT for further consideration and funding.

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
6.	Technology Development for Indian Languages	The major objectives of the programme are: (1) To develop information processing tools to facilitate human machine interaction in Indian languages and to create and access to multilingual knowledge resources/content. (2) To promote collaborative development of futuristic technologies leading to innovative products and services.	-	35.00 includes ₹ 4.00 crore for NER	-	Machine Translation system , Cross-lingual Information Access System , OCR and OHWR with increased accuracy and performance towards product development Support for CD user base Percolation of CDs to new spheres. Reviewing of CD Contents & also upgrades of open source regions To take up for additional languages	Consortium Mode Projects – Phase –II in the areas of Machine Translation , Cross-lingual Information Access , Optical Character Recognition and OHWR National Roll-Out Plan Phase-II Automatic Speech Recognition (ASR) and Text-to-speech systems in Indian	Sep 2010 / March 2011 Sept. 2010 Dec 2010	Phase –II of 5 Consortium Mode projects for OCR, OHWR , E-IL Machine Translation , IL-IL Machine Translation and Cross-lingual Information Access (CLIA) has been initiated. Ph-II initiated Proof-of-Concept ASR engines for agricultural domain in six Indian languages Hindi , Tamil , Telugu, Marathi , Bengali and Assamese languages developed.

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
						<p>Research & Development for, promotion and proliferation of Localization in official languages, Dev. Of localization tools showcasing Laboratory etc.</p> <p>On-Going Projects</p> <p>Stake holders consultation and Validation of the following : Script Grammar for 10 Indian languages. Common local data repository for major Indian languages. Language tag representation for all Indian Languages. Consolidation of inputs for internalization in W3C standards namely</p>	<p>Languages</p> <p>Establishment of National Localization Research and Resource Centre (NLRRC)</p> <p>Web Internationalization, Standardization and W3C India Initiative</p>	<p>Dec 2010</p> <p>March 2011</p>	<p>(1)International Conference ‘Action Week for Global Information Sharing’ held during Dec 6-7, 2010. (2) Certified Localization Professional Training Programme was held during the Conference. (Dec. 1-4), 2010. These are seeding activities towards establishment of NLRRC.</p> <p>(1) W3C India Office has organized two days W3C Track focusing on Internationalization and Mobile Web during the international conference WWW2011 at Hyderabad and organized focused meetings with Indian ICT industry. (2) Published draft recommendations on Indic Languages requirements in CSS standard (3) Initiated activity for Mobile Web in Indic languages. SRS document for Mobile Rasterizer</p>

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
						<p>CSS, PLS, Xforms, XHTML and E-Gov activity.</p> <p>H/W Infrastructure will be setup TDIL website & Data centre front end will be ready.</p> <p>1. Web Deployment of CLIA system in 5 Indian Languages. (Hindi, Marathi, Tamil, Telugu, Bangla)</p> <p>2. OCR in 6 Indian Languages (Punjabi, Malayalam, Telugu,</p>	<p>Indian Language Technology Proliferation & Deployment Centre</p> <p>Consortium Mode Projects in the areas of Cross-lingual Information Access, Optical Character Recognition (OCR) and On-line handwriting Recognition systems</p>	<p>March 2011</p> <p>Sept 2010</p>	<p>engine in Indic Languages developed.</p> <p>(4) Draft Script Grammar for 9 Indic languages developed and placed in TDIL Data centre website http://www.tdil-dc.in for feedback</p> <p>12 Machine Translation systems ; 8 Eng- Indian Languages and 4 Indian Languages to Indian Languages MT systems have been made available at TDIL Data centre : http://www.tdil-dc.in.</p> <p>1. CLIA system for 6 Indic Languages namely Hindi, Marathi , Bengali , Tamil , Telugu and Punjabi languages developed for Tourism domain and is hosted at http://www.clia.iitb.ac.in:8080/c lia-latest</p> <p>2. OCR in 9 Scripts: Bangla, Devanagari, Malayalam, Gujrati, Tamil, Telugu, Kannada, Oriya, Gurumukhi</p>

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
						<p>Tamil, Bangla, Hindi)</p> <p>3. OHWR in 3 Indian Languages (Hindi, Tamil, Kannada,)</p> <p>10,000 Synsets in 4 Languages</p> <ul style="list-style-type: none"> • POS Tagset standard • Annotated text corpora of 1 lakh words in 11 Indian Languages <p>Pre Alpha version of Text-to-speech systems for 5 ILs (Hindi, Marathi, Tamil, Telugu, Malayalam)</p>	<p>Development of Word-net for Languages of the North East</p> <p>Indian language Corpora Initiative</p> <p>Development of Text-to-Speech in Indian languages</p>	<p>March 2011</p> <p>March 2011</p> <p>Dec 2010</p>	<p>with above 80% word level accuracy developed.</p> <p>3. OHWR for 6 Indian scripts Hindi , Bengali , Tamil , Telugu , Kannada and Malayalam developed</p> <p>Completed</p> <ul style="list-style-type: none"> • Draft POS Tag Standard for 5 Indian Languages Hindi, Bengali, Punjabi, Marathi and Telugu languages finalized. • 25,000 sentences untagged corpora compiled in 10 Indian languages <p>Alpha version of TTS integrated with screen reader for six Indian Languages –Hindi , Tamil , Telugu</p>

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
						<p>100 hours of Bodo speech Corpora and IPA representation of Bodo language would be developed.</p> <p>Draft Script Grammar for major Indian languages</p> <p>A generic software develop environment independent of application/platform to support development of versions NLP applications. Pre- alpha version of NLP Dashboard 30 numbers of trained</p>	<p>Development of Bodo Speech Corpora and its IPA representation</p> <p>Development of Fonts, Keyboard, Script , Grammar for major Indo-Aryan Languages</p> <p>Dashboard Development Environment for NLP Applications</p>	<p>Sept. 2010</p> <p>Sep 2010</p> <p>March 2011</p>	<p>, Bengali , Marathi , Malayalam languages developed</p> <p>75 hours of Bodo speech corpora developed. IPA requirements for Bodo language being studied.</p> <p>Draft Script Grammar for 9 Indian Languages namely Hindi, Marathi ,Bengali , Tamil, Telugu , Malayalam , Maithili , Gujarati and Konkani languages developed and uploaded at TDIL data centre at http://www.tdil-dc.in . Feedback process initiated.</p> <p>Basic design approved by PRSG</p>

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
						manpower in the area of Language Technology Pre- alpha version of MT System Draft CLDR , Fonts, Keyboard layout & drivers for Assamese, Bodo, Manipuri and Nepali	Human Resource Development in Language Technology Development of Sanskrit Computational Tool Kit and Sanskrit-Hindi Machine Translation system Development of major North-Eastern Languages (NE Consortium).	March 2011 Dec 2010 Dec 2010	Completed Alpha Version submitted to C-DAC for testing CLDR for Bodo , Manipuri and Assamese language developed. Vetted CLDR for Bodo and Assamese languages uploaded to Unicode CLDR 1.9
7.	IT for Masses (Gender, SC/ST)	Upliftment of Women folk and SC/ST	-	14.00 includes ₹ 2.00 crore for NER	-	To conceive and formulate projects for development of Women and SC/ST.	Capacity building of Women and SC/ST through Infrastructure development, Training and Entrepreneurial	3 new projects March, 2011	<ul style="list-style-type: none"> Capacity Building for improving the Employability of Women in ICT Area at Cuttack and Puri in Orissa. IT Infrastructure creation in hostels for “Kasturba Gandhi Balika Vidyalaya” in Rajasthan.

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
							creation of target groups in different States/ UTs.		<ul style="list-style-type: none"> • Capacity building for IT skill based economically weaker Women / SHG / Local Youth for Purba Medinipur district of West Bengal. • Training of Graduate/Under-graduate Women and SC/ST candidates for various job oriented courses at DOEACC, Chandigarh Centre and its branches at Shimla, Lucknow & Delhi & Monitoring and Impact Assessment for IT for Masses programme. • Capacity building for improving the IT literacy and employability of SC candidates in IECT area in U.P. and Bihar (at Gorakhpur, Allahabad, Patna, Gonda, Fatehpur). • Capacity building for improving the IT literacy and employability of ST candidates in IECT area in Jharkhand (at Jamshedpur, West Singhbhum).

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
8.	Media Lab Asia	To bring the benefits of the information and communication technologies and other advanced technologies for the benefit of the common man.	-	10.00 includes ₹ 1.00 crore for NER	20.00	IT related education & livelihood generation projects in North-East. Completion of ongoing projects	All the areas mentioned will be acted upon.		<p>1. Livelihood Generation:</p> <p>1.1 Project- ‘Development of a set of alternative ICT models based on a study and analysis of the major ICT initiatives in agriculture in India to meet the information need of the Indian farmers’.</p> <ul style="list-style-type: none"> ▪ Detailed field survey of 26 ICT initiatives in agriculture completed in states viz. West Bengal, Jharkhand, Uttar Pradesh, Punjab, Haryana, Madhya Pradesh, Maharashtra, Meghalaya, Orissa, Andhra Pradesh, Tamil Nadu, Pondicherry and Kerala. ▪ Report preparation and statistical analysis of field data was completed. ▪ Based on field study prepared frame work of alternate ICT model.

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
									<p>1.2 Chanderi Weaver ICT Resource Centre’ in Madhya Pradesh”</p> <ul style="list-style-type: none"> ▪ Using CAD software 100+ Chanderi designs created during the period and 250+ designs till date. With help of local weaving community 30+ apparel designs made during this Financial Year and 200+ designs so far. 6 master designers trained during this Financial Year and 11 master designers trained so far. ▪ Training on design making at Weaving Level & Textile Design provided to 130 students during this Financial Year and to 250+ so far. Training on Vocational skills provided to 300+ students during this Financial Year and to 800 students so far. Training on English relay program provided to 400+ students during this Financial Year and to 850+ students so far. ▪ Marketing for finished products is on through Center outlets & e-commerce website www.chanderiyaan.net

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
								<p>1.3 “Chanderi Integrated ICT for Development Programme in Madhya Pradesh” <i>ICT in social entrepreneurship program:</i> Setup for block printing, weaving & embroidery work established. 80 people on embroidery work, 20+ people on Block Printing on clothes and 67 people in computerized integrated embroidery design trained</p> <p><i>ICT in Healthcare program:</i> eDhanwanthari (Distributed Telemedicine software) along with multipurpose medical kit deployed for connecting existing public health facilities in Chanderi with Ashoknagar district hospital</p> <p><i>Chanderi Digitization program:</i> Local Chanderi Community Portal http://chanderiyaan.chanderi.org & Chanderi tourism portal www.chanderi.org developed.</p> <p>1.4 Gramin Gyan Kendra (GGK): Integrated Agri Services Program taken up through Grameen</p>	

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
								<p>Gyan Kendras (GGK) in Mirzapur, Sonbhadra and Varanasi Districts of Uttar Pradesh. GGK is providing agro advisory services, Information on Weather, Mandi Rates and Banking services. 217 farmers registered under IASP</p> <p>2. Empowerment of the Disabled:</p> <p>2.1 Handheld DAISY (Digital Accessible Information System) Players "Buddy" facilitated at Gangtok & New Delhi centers of National Association for Blind (4 Nos. each) along with complete CBSE curriculum of 9th - 12th standard in DAISY format. The players have been updated as per feedback from the students.</p> <p>2.2 Project "Women Empowerment through Shruti-Drishti" completed with installation & training on Shruti-Drishti along with associated hardware (Embossers, Tactile Readers, Braille Keyboards etc.) in 40 women/co-ed Blind schools throughout the country.</p>	

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
								<p>2.3 Under "Content Generation for Capacity Building of Persons with Blindness & Low Vision", 154 audio books in Daisy format (1709 hours), 73 Books in Synthesized voice (963 Hours) generated and 385 books converted into e-Text.</p> <p>2.4 Web based integrated assessment tool for MR children "Punarjjani" hosted through www.punarjjani.in</p> <p>2.5 Under "National Network for Education, Training & Empowerment" the regular transmission of programs is on through edusat based channel "Navshikhar" from 10:00 to 17:00 hours (Monday to Friday) to 473 centers. Web portal "Punarbhava.in" set up as a part of project is continuously updated.</p> <p>3. Healthcare:</p> <p>3.1 Distributed model of eDhanwanthari (Telemedicine s/w) deployed at 8 remote centres of Tirur Taluk & 4 specialty centres in Kerala. 180+ tele-consultations</p>	

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
									<p>provided and 26 Continuous Medical Education programs conducted during this Financial Year.</p> <p>3.2 The mobile telemedicine facility provided at 20 locations at Cherthala taluk, kerala for treatment of TB, Diabetes, Pre-natal healthcare. 2600+ patients have been treated during this Financial Year. This service can be availed by 4.34 lakhs population of the taluk.</p> <p>3.3 Rural Health Management Information System deployed at the three blocks (20 PHCs/CHCs/BPHCs, covering 7.8 lakhs population) in Kerala. Total 120 mobile / handheld devices have been given to the health workers and 2.5 lakhs population is registered during this Financial Year.</p> <p>4. Education:</p> <p>4.1 All modules of Class XI under projects 'Mobile and Internet based Multimedia Content for Virtual</p>

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
						<p>1.R&DI projects 2.Education and Products for the Disadvantaged 3.e-Governance application.</p> <p>Lab to Land activity for deployment of MLAsia & Third party technologies</p> <p>Generation of IEBR</p>			<p>Laboratory for Life Science Experiments for Higher Secondary Education' and 'Mobile and Internet based Multimedia Content for Math Prep-guide Application' (NCERT syllabus) completed.</p> <p>4.2 All Textual Modules (English & Hindi) of project 'Comprehensive Integrated content delivery on mobile & portal for Pre-Primary Teachers and Parents' completed.</p> <p>Pilot Deployment of ICT based Malaria surveillance monitoring system, undertaken in Pallahara block, Angul Distt., Orissa with State Health Department Orissa & Navyuga Infotech. Pvt. Ltd.</p> <p>▪ Pilot deployment of CHIC (CAD for textile & embroidery design) undertaken in Shahpur Jat Embroidery Cluster, Delhi for Zardozi embroidery . Training of artisans is under progress.</p> <p>IEBR generated for the year 2010-11 is ₹ 1.02 Crore.</p>

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
9.	STQC	Establishment of Quality Assurance Infrastructure in the country to facilitate quality products & services at par with global standards and practices	7.00	85.00 includes ₹ 9.00 crore for NER	-	<p>1. Upgradation of Test & Calibration facilities to cater to state-of-the-art products with emerging technologies</p> <p>2. Revenue target realization.</p> <p>3. Upgrade s/w test facilities for e-Governance applications</p> <p>4. To obtain accreditation of S/w Test labs.</p> <p>5. e-Security Standards /guidelines for e-</p>	<p>Upgradation of test and calibration facility to meet the demand industry.</p> <p>Revenue of ₹ 45 crore approx. likely to be generated.</p> <p>S/w Test Tools for “Mission critical Project” like defense/space will be procured.</p> <p>Kolkatta / Bangalore/other centre to be accredited for Usability Testing.</p> <p>E safe documents /</p>	<p>March, 2011</p> <p>March, 2011</p> <p>March, 2011</p> <p>March, 2011</p> <p>Dec., 2010</p>	<p>With the approval of competent authority, procurement of equipment for STQC is being done by CDAC.</p> <p>₹ 44.50 crores earned up till 31st Mar 2011.</p> <p>Software Tools for different STQC labs being done by CDAC. Order has been placed for Performance Test Tool for 6 IT Centres.</p> <p>A2LA Accreditation obtained by IT Centres at Kolkatta , Bangalore and Chennai.</p> <p>7 guidelines completed and released on website.</p>

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
						<p>Governance</p> <p>Standards to be prepared for NIC.</p> <p>6. Upgrade testing and Auditing facilities for security of Network, systems, applications and websites</p> <p>7. Common Criteria scheme and testing facilities operationalised to take up new IT products</p> <p>8. Progress of construction activity of STQC Building at Noida.</p> <p>9. Launch of Intermediary scheme for empanelment of external training provider organizations</p>	<p>Tools and skills to be upgraded for better services</p> <p>CC test and scheme infrastructure established for Indian industry</p> <p>Construction activity of first phase to be completed.</p> <p>Intermediary scheme launched. External organizations</p>	<p>March, 2011</p> <p>March, 2011</p> <p>Dec., 2010</p> <p>June, 2010</p>	<p>Application Security and Penetration Testing Tool procured for Bangalore, Delhi, Kolkata, Hyderabad and Chennai labs. Proposed for Thiruvananthapuram, Pune Labs.</p> <p>CC Evaluation Facility at Kolkata is taking up products for evaluation up to EAL 4 Assurance Level. Evaluation of first product at EAL 2 Assurance Level completed and certified.</p> <p>No progress. Reminder letters have already been written to STPI.</p> <p>Nine intermediaries empanelled. Nine courses conducted. Attended by 123 participants.</p>

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
						10 .Human Resource Development by conducting DOEACC 'O' & 'A' level courses in NE region.	started offering STQC training programs to industry. SC/ST/OBC/ women / weaker section of society and unemployed youth of NE region will be benefited in Computer field.	March, 2011	In progress. 45 students enrolled for `O` level and 25 for `A` level courses.
10.	e-Governance	The NeGP has been formulated for giving a thrust to e-Governance activities across various arms of government at the national, state and local government level. This	-	1030.00 includes ₹103.00 crore for NER	-	<u>Establishment of SWAN</u> To provide 2 Mbps data connectivity up to Block level in all States /UTs in phases. As Part of the ongoing Scheme both leased line and wireless based network would be created across the country.	In general, it is envisaged that it would take nearly 180 days for completing full process of selection of Network Operator for the SWAN. The processes involved in	About 23 SWANs are expected to be operational by March 2010. All SWANs are expected to be operational	Implementation of the Scheme is in full swing. Individual project proposals have been approved for 33 States / UTs so far. The 26 States/UTs SWAN's of Andhra Pradesh, Arunachal Pradesh, Assam, Bihar, Chandigarh, Chhattisgarh, Delhi, Gujarat, Haryana, Himachal Pradesh, Jharkhand, Kerala, Karnataka, Lakshadweep,

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
		approach has the added advantage of enabling huge savings in cost, in terms of sharing the core and support infrastructure; it enables interoperability through standards, which would result in the citizen having a seamless view of Government.				Implementation activities for SWAN for all 29 States and 6 UTs have been initiated. Facility will be in place for 33 States/UTs. Goa and Andman & Nicobar has opted out from the SWAN Scheme as these States/UTs have the Local Network in place.	identification of Network Operator are : Selection of Consultant, Preparation of RFP, vetting of RFP, floating of RPF, scrutiny of bids which includes pre-qualification scrutiny, technical evaluation, financial evaluation, identification of Network Operator, conclusion of the contract with the Network Operator etc. Further to this, implementation of network by the designated	by June 2010.	<p>Maharashtra, Madhya Pradesh, Manipur, Orissa, Punjab, Puducherry, Sikkim, Tamil Nadu, Tripura, Uttar Pradesh, Uttarakhand and West Bengal have been implemented and are operational.</p> <p>The 3 States/UTs SWAN's of Meghalaya, Nagaland, Mizoram are in advanced stages of implementation.</p> <p>The Implementation of SWAN in Rajasthan State is in progress.</p> <p>The States Jammu & Kashmir has initiated the bid process to identify the Network Operator for implementation.</p> <p>The 2 States/UTs SWAN's of Dadra & Nagar Haveli, Daman & Diu and are in RFP/BOM preparation/finalization stage.</p> <p>All the SWANs are expected to be completed by December, 2011.</p> <p>Out of sanctioned amount of Rs.</p>

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
						<p>Network Operator would take anywhere between 36 weeks to 52 weeks. After commissioning of the network, the Scheme envisages operation of the network for five years. Currently State/UT SWANs are in the various stages of implementation.</p> <p><u>State Data Centres</u></p> <p>State Data Centre has been identified as one of the important element of the core infrastructure for supporting e-Governance initiatives of NeGP. The Scheme</p>	<p>Secure and reliable data Repository sharable across various applications.</p>	<p>SDC Proposals for 31 States/UTs have been approved.</p>	<p>1,964.97 crore, the Department has, so far, released Rs 667.15 crore to 33 States/UTs.</p> <p>To monitor the performance of SWANs, the Department has mandated positioning Third Party Auditor (TPA) agencies by the States/UTs. As on date, 15 States i.e. Haryana, Himachal Pradesh, Punjab, Gujarat, Karnataka, Kerala, Tripura, Orissa, Maharashtra, Arunachal Pradesh, Bihar, Madhya Pradesh, Chhattisgarh, Assam and West Bengal have empanelled the TPA agencies for monitoring the performance of the SWAN in their respective State. Remaining States/UTs are in the process of empanelment of TPA.</p> <p>11 SDCs have been made operational (Gujarat, Tripura, Rajasthan, West Bengal, Tamil Nadu, Puducherry, Andhra Pradesh, Karnataka, Orissa and Manipur).</p> <p>SDCs in 8 States are under</p>

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
						<p>has been approved by the Government at a total outlay of ₹ 1623.20 crore over a period of 5 years. It is proposed to set up Data Centres across 35 different States/UTs in the country during the 11th Plan.</p> <p><u>Common Service Centres (CSCs)</u></p> <p>The Government has approved a Scheme for establishing 100,000+ CSCs, primarily in rural areas of the country. These Centres would be</p>	<p>State Data Centre will help in providing efficient electronic delivery of G2G, G2C and G2B services.</p> <p>Sanction the CSCs proposals for remaining States and UTs in the country.</p>	<p>Around 12-15 State Data Centres are expected to be set up and operationalised by December 2010. 5 more are expected to be operationalised by March 2011.</p> <p>June 2010</p>	<p>Implementation (Sikkim, Nagaland, Meghalaya, Maharashtra, Haryana, Uttar Pradesh, Andaman & Nicobar and Jharkhand).</p> <p>Bid process is in progress in 7 States (Madhya Pradesh, Mizoram, Uttarakhand, Jammu & Kashmir, Bihar, Himachal Pradesh and Chhattisgarh).</p> <p>RFP for Lakshadweep has been approved by DIT but is yet to be published by the State.</p> <p>RFP for 3 States (Arunachal Pradesh, Punjab and Assam) are under finalisation by the States/DIT.</p> <p>RFP is under preparation by the States of Goa.</p> <p>93163 CSCs have been rolled out in 31 States/ UTs as on 31st March 2011. Andaman & Nicobar Iceland's has completed the bid process and selected its SCA for</p>

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
						<p>broadband Internet enabled and would provide all government and private services at the doorstep of the citizen. The Scheme is to be implemented in Public Private Partnership. The Scheme has been approved at a total cost of Rs 5742 crore with Government of India contribution Rs 856 crore and State Governments contribution being Rs 793 crore. The balance funds would be brought in by the private sector.</p> <p>58954 CSCs have been rolled out covering 27 States by December 2009.</p> <p><u>Connectivity</u> Successful implementation of the</p>	Complete the process of establishment of 100,000+ CSCs in the country		<p>setting up of CSCs. Lakshadweep, Daman & Diu and Dadra & Nagar Haveli have tied up with the CSC SPV for getting their CSCs as established.</p> <p>Further Expenditure Finance Committee has apprised and recommended the scheme for setting up of additional 150,000 Bharat Nirman Common Services Centres to cover all Panchayats.</p> <p>As approved by the Empowered Committee for the CSC project,</p>

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
						<p>CSC scheme would also depend upon availability of last mile connectivity i.e. broadband connectivity up to the village level. Considering the importance, urgency and necessity of implementation of the Last Mile Broadband Connectivity; a two phase plan has been worked out by the Department of IT, GoI in consultation with Department of Telecommunication and BSNL. This is as follows:</p> <p><u>Phase –I – Broadband Wire-line connectivity:</u> This phase would comprise of provision of</p>	connectivity to 100,000+ CSC		<p>DIT is providing part financial support to BSNL for Broadband Connectivity for CSCs. As per BSNL's Plan, 32382 CSCs are to be connected by ADSL2+ through rural exchanges out of which 31252 CSCs have been covered. Another about 63605 CSCs are to be provided Broadband Connectivity through WIMAX 11254 CSCs have been covered and remaining 412 CSCs are yet to be covered under Wimax phase-I. Under Wimax phase – II, 51939 CSCs are planned to be covered.</p> <p>Besides 2204 CSCs will be connected through EVDO cards. Further about 2500 CSCs in remote areas of the North East are being provided with VSAT based connectivity through NIC. For this, the CSC SPV has completed the bid process and identified the vender for providing the VSATs.</p>

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
						<p>wire-line Broadband connectivity to those locations where only BSNL has rural exchanges by upgrading capacity of these exchanges. This would provide broadband connectivity to approx. 30000+ CSCs.</p> <p><u>Phase –II – Broadband Wire-less connectivity:</u> This phase would comprise of provisioning of wire-less connectivity by BSNL from Blocks/Talukas. BSNL would upgrade existing towers with required wireless base stations and also establish new infrastructure where tower is not available. With this provision another 64,000+ CSCs could be provided Broadband connectivity.</p>			

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
						<p>Facilitating Services through CSC by enabling Implementation of State Portal, SSDG, EForm Application and Gap Infrastructure</p> <p>The scheme of ensuring delivery of services through CSC by enabling the State Portal (SP), State Service Delivery Gateway (SSDG), Electronic form Application implementation and gap infrastructure under NeGP has been approved with a total outlay of ₹ 400 crore. It is envisaged that SP along with SSDG will be developed and implemented so that citizens are provided with outlets where they can access the services</p>	<p>This will enable citizens to download forms and submit their applications electronically with help of Electronic Forms hosted on the State Portal (SP) and routed through a common services gateway (SSDG).</p> <p>Assured electronic</p>	<p>April 10 - March 11</p> <p>Selection of Implementing Agencies by States</p> <p>Completion of project implementation in at least 10 States/UTs</p> <p>UAT by STQC for 10 States</p>	<ul style="list-style-type: none"> • Out of the approved 30 States/UTs proposals, around 17 States/UTs have floated the RFP for the selection of the Implementing Agency for the project. • Out of these 20 RFPs, 10 States/UTs have completed the bid process and are in the process of issuing/issued the LoI to the selected Agency. • 6 States/UTs (Tamil Nadu, Goa, J&K, UP, Puducherry and HP) have already started the project implementation and the remaining would shortly start implementation. • Tamil Nadu has gone live with few services on 28th Feb'11.

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
						<p>under a single interface mechanism in the form of the Portal.</p> <p>delivery of the request from the citizen to the specified field office of the government department</p> <p>1. The electronic acknowledgment of successful submission of application/request from department to the citizen and query the status of his/her application/request at any point of time.</p> <p>2. A single gateway for information and citizen services for integrated service delivery by online public services to the</p>			<ul style="list-style-type: none"> • DIT has empanelled additional two Implementing agencies for the project. • DIT parallel worked with CDAC Mumbai to develop Fulcrum, and EForm creation tool. Using this tool DIT has implemented the EForms-Proof-of-Concept; by identifying, digitalizing and implementing around 40 EForms as required for various Public Services. These forms have been hosted at http://eforms.gov.in/fulcrum2/. The login ID and password of each State/UTs for the usage of these 40 Forms have been shared with States. • The workshop on FULCRUM for the State IT Department, State Nodal Officer, SIO, State e-Mission Team and State Designated Agency has been conducted in Mumbai, Bangalore, Kolkata & Delhi. • Conducted workshop on deployment and

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
						<p>citizen via State Portals</p> <p>3. A front end application mechanism through e-Forms</p> <p>4. All public service forms in an 'e' repository</p> <p><u>e-District</u></p> <p>e-District as a concept proposes integrated and seamless delivery of citizen services by district administration through automation of workflow, backend digitization, integration and process redesign across participating departments for providing services to the citizens.</p>	<p>1. Implementation of e-District pilot in 14 States (37 Districts) already sanctioned.</p> <p>2. Obtain financial approvals for the e-District Mission Mode Project Scheme</p>	<p>April 2010</p> <p>April 2010</p>	<p>implementation of SSDG at CDAC Bangalore.</p> <ul style="list-style-type: none"> DIT has initiated development of Mobile gateway for e-Governance with CDAC Mumbai DIT has initiated the integration of Payment Gateway with the SSDG/NSDG for enabling online e-Payment for e-Governance services. <p>Implementation of e-District pilot in 16 States (41 Districts) already sanctioned</p> <p>National Scheme of e-District MMP for Rs 1663.06 Crore has been concurred by EFC on 23rd Sept, 2010.</p>

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
						<p>3. Implementation of (approved) e-District Scheme in 14 States where Pilots would have been completed</p> <p><u>e-Bharat:</u> To support NeGP, GoI has been carrying out dialogue with World Bank for possible programme management and financial support (called “e-Bharat project”). This project is expected to finance a subset of NeGP activities (Mission Mode Projects (MMPs) and Program Components) as agreed between GoI and the World Bank. The Bank’s support under</p>	<p>March 2011</p> <p>Discussions with respect to funding mechanism and project design are currently underway.</p> <p>World Bank to complete appraisal of the project followed by approval and negotiation by both GoI</p>	<p>e-District pilot scheme has gone live in 30 districts of UP, Assam, Tamil Nadu, West Bengal, Bihar and Kerala, Mizoram, Orissa, Haryana and Madhya Pradesh.</p> <p>The approval of the Cabinet Committee on infrastructure for e-District MMP has been obtained on 20th March 2011.</p> <p>The World Bank has approved a Development Policy Loan for ‘e Delivery of Public Services’ as support for NeGP for 150 million USD, in its meeting on 31-03-2011. DIT has already initiated action on the identified Policy Action for the Development Policy Loan.</p>	

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
						<p>this project is being envisaged through a succession of project financing. For GoI, this is proposed to be an IBRD loan, passed on to states and other implementing agencies as grants, subject to their adherence to agreed guidelines or “Rules of Engagement”. Further, the project design being contemplated by DIT in this regard focuses on a “framework” approach implying that the precise subprojects and States to be financed under the project would be identified by the borrower (i.e GoI), as NeGP program unfolds.</p> <p><u>Capacity Building</u></p> <p>Institutional Capacity Building for all the States/UTs.</p>	<p>costs; and</p> <p>v. Promoting private sector-led growth through PPPs.</p>	<p>and the Bank.</p> <p>Considering the progress so far, it is difficult to arrive at expected timeframe.</p>	

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
						<ul style="list-style-type: none"> • Recruitment of SeMT for all States/UTs • Orientation of political and policy level personnel's (Leadership Meet) • Specialized training to project level officials of all States/UTs 	<ul style="list-style-type: none"> Setting up of SeMT in States/UTs Create awareness about e-Governance at policy and political level Training to Sr. officials, policy maker and SeMT 	<ul style="list-style-type: none"> Continuous activities Continuous activities Continuous activities 	<ul style="list-style-type: none"> • Deployment of 105 professionals under NeGD recruitment plan in 24 States/UTs has been achieved and selection process for deployment of remaining professionals for all the States/UTs has been restarted. e-Governance Leadership Meet for 17 States/UTs have been conducted Under Specialized Training Program, following 10 programs conducted. • e-Governance Project Life cycle (03-07 January, 2011)-Jaipur • e-Governance Project Life cycle (17-21 January, 2011)-Trivandrum • e-Governance Project Life cycle (07-11 February,

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
						<p>GIS Application Initiation of New project</p>	Developing spatial decision support system	September 2010	<p>2011) – Hyderabad</p> <ul style="list-style-type: none"> • Government Process Reengineering (07-11 February, 2011) – Kerala • Change Management & Capacity Building (9-11 February, 2011) – Jaipur • e-Governance Project Life cycle (14-18 February, 2011) –Bhopal • e-Governance Project Life cycle (21-25 February, 2011) – Kolkata • e-Governance Project Life cycle (28th Feb. to 4th March, 2011) – Hyderabad • Business Models & Public private Partnership (8-11 March,2011)-Jaipur • Change Management & Capacity Building (15-17 March, 2011) – Bhopal <p>Draft study report on establishment of GIS Centers has been submitted and being reviewed.</p>

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
						<p>Completion of some ongoing activities.</p> <p><u>Standards for e-Governance</u></p> <ul style="list-style-type: none"> • Development and enhancement of Standards, Guideline, Policy in identified areas of concern • Development of standards in the new areas • Publishing of standards on the website 	<p>Ensure Interoperability, integration & seamless data sharing of eGov applications</p> <p>Release of standards/ guidelines in Interoperability, Data & Metadata, Security, Localization, Quality & other new areas that emerge</p>	<p>Continuous activities</p> <p>By September, 2010</p>	<p>GIS project in Manipur State has been completed.</p> <ul style="list-style-type: none"> • Notification of the Policy on Open Standards Nov 2010 • Notification of Biometric Standards for Face Image, Finger Print image, minutia - Nov 2010 and Iris image in - March 2011. • IFEG Phase I Technical Standards document published for public review – Feb 2011. • Finalization of MDDS version 1.1 Standard document – incorporated the new land region codes, biometric standards and data formats optimization. – March 2011. • Paper on Digital Preservation for e-governance applications submitted to National Digital Preservation Programme .- July 2010.

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
						<p style="text-align: center;"><u>India Portal</u></p> <ul style="list-style-type: none"> • Content Enhancement • ISO Certification • Promotion of Portal 	Seamless search of govt. information available at the central and state levels and will facilitate Single	September 2010	<ul style="list-style-type: none"> • Publication of the remaining two security guidelines documents of e-SAFE framework.- March 2011. • Publication of Guidelines on usage of Digital Signatures in e-governance applications – December 2010. • Work under progress for the preparation of Interoperability framework for e-governance document. • Xforms workshop conducted in Feb 2011. • Work under progress in the areas of Digital preservation standards and mobile governance standards. <ul style="list-style-type: none"> • O&M phase. • Training and support for the implementation of Website design guidelines. • Complain & Appeal Module for Central Information Commission (CIC) - The online,

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
						<p>sign-on to various govt. services and information in turn making citizen interface much simpler and easy.</p> <p>National e-Governance Service Delivery Gateway (NSDG) NSDG is a middleware infrastructure, would act as standards based routing and a message switch de-linking the back end departments from the Front-end service access providers. This would facilitate standards based interoperability and</p>	<p>This soft infrastructure, which is based on standards, will facilitate integration, interoperability and data sharing amongst various e-Governance applications.</p>	<p>Go-Live done in Aug'08. Proposed to be launched by 1st Quarter of 2010 - 2011</p>	<p>workflow & administration module of the software has been working, automated documentation functionality has been incorporated & various MIS reports are being regularly taken out.</p> <ul style="list-style-type: none"> • Content Enhancement – In various sections like Business, Industry and Services, Infrastructure, Doing Business Abroad, Government Tenders, Citizen Section have been done. • Institutionalization of Web Ratna Awards. • Errata for NSDG specifications (IIP, IIS, IGIS) finalized. • Integration of MCA 21 with Trademarks via NSDG under STQC audit. Planned to Go Live in June 2011. • Integration discussions with other e-governance. • Project like CCTNS, MOPR, IVRFT underway.

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
						<p>integration to existing and new e-governance applications. A pilot implementation has been successfully developed and tested. The National Gateway is implemented by CDAC and is Live since Aug'08.</p> <ul style="list-style-type: none"> • Operations and Maintenance for 5 years. • To be plugged into various e-Gov projects. 			<ul style="list-style-type: none"> • Program Management Structure for NSDG implemented in DIT. • Integration Kit for NSDG/SSDG prepared. • Integration with e-Biz project under audit by STQC. <p>MPTA team for NSDG/SSDG projects mobilized and the MPTA plan implementation underway.</p> <p>Initial matrix of requirements for next version of NSDG product prepared. Setup of NSDG PMU completed in April 2010 Security Audit of NSDG 2.0 completed successfully in July 2010.</p> <p>Operationalisation of DR solution for NSDG completed in August 2010.</p> <p>Integration with UP – e-District went Live in production in Sept</p>

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
						<p><u>Conformity Assessment Centre</u> DIT, under this project, is creating 7 IT centers (region-wise) in terms of skills, knowledge and experience with technical in the areas of Information Security, Software Quality, IT Service Quality etc. These centers will provide Audit, Compliance and Certification Services to various e-Governance applications. The project is being executed by STQC.</p>	Will help to scale up e-Gov Implementation s in India and generate confidence	On-going	<p>2010. Approx 28,000 transactions so far by NSDG.</p> <p>Productization of NSDG as SSDG completed far by NSDG.</p> <p>Productization of NSDG as SSDG completed.</p> <p>Project completed in September 2010.</p>

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
						<ul style="list-style-type: none"> • Continuation of service provisioning to various e-Gov Project at Centre and State Levels • Release of Conformity Assessment framework and the Quality Assurance framework • Organizing three to four workshop on Quality e-Governance <p><u>R&D in e-Governance</u></p> <p>To support research and development activities in various areas where R&D will bring direct benefit.</p>	Applied R&D which would enable bringing innovative solutions which are cost-effective for the various e-Governance applications	Continuing activity	<p>The following R&D projects are in final stage of completion:-</p> <ol style="list-style-type: none"> 1. Architectural Framework for Development of e-Governance System. 2. Decision Support Automated Refactoring. 3. Design and Development of

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
						<p><u>Open Technology Centre (OTC)</u></p> <p>GOI has initiated the setting up of an Open Technology Centre through NIC aimed at giving effective direction to the country on Open Technology in the areas of Open Source Solutions, Open Standard, Open Processes, Open Hardware specifications and Open Course-ware. The OTC will provide the requisite support to the Standardization activity for e-Governance.</p> <ul style="list-style-type: none"> To provide synergy to the overall components of Open 	<ul style="list-style-type: none"> OTC to form Help-Desk Mechanism for NeGP on Prioritized Open Source Stack Support for hand holding services for using Open Source Software in e-Governance Project Help to launch 1 e-Gov Portals / Applications which are compliant 	<p>April 2010 onwards - Continuing activity</p>	<p>Website Using Web 2.0 Tools for Public Diplomacy Division of M/o External Affairs, Govt. of India.</p> <ul style="list-style-type: none"> 19 open technologies explored (R&D, testing, POC, hand holding Rollout, Impact analysis, multiplication Support to e-Governance Standards Division. X-Forms Technology The usability of X-Forms technology demonstrated in few e-Governance applications. Collaboration with CDAC-FOSS lab for BOSS- Support in preparation of the Policy on Device Drivers Training Programs conducted on Object Oriented PHP, Java MVC Frame Work: Wicket Training for PDS team, Software Development Environment Tool: Fuse Forge etc

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
						<p>Technology initiative that are being taken by various communities</p> <ul style="list-style-type: none"> • To strengthen the support on the Open Technology • To provide the requisite support to the Standardization activity for e-Governance. 	<p>with Web Accessibility Standards</p> <ul style="list-style-type: none"> • A Document and Reference for migration/porting of legacy applications to Open Technology • A Handbook on “Open Technology” • Coordination with Six Technology Standards Expert Committees to prepare and update reports on the identified area • A Document on Guidelines to select 		

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
							<p>matured libraries and tools in consultation with various stakeholders for Open Source Solutions, which are to be used in e-Governance Applications</p> <ul style="list-style-type: none"> • Conformance Lab for Compliance with prioritized Open Technology Standards for e-Governance • Augmenting additional man-power of about 5 Trained NIC-Experts and 		

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
						<p style="text-align: right;">about 25 Research Scientists</p> <p><u>Assessment</u></p> <p>This programme is basically the Impact Assessment Studies of e-Governance projects and the e-Readiness survey of India.</p> <p>The impact could be in terms of quality of life, inclusion, access to information regarding benefits etc., economic in terms of either income generation or savings or even empowerment in terms of transparency, Right to information etc. An impact assessment of these e-initiatives will aid in gaining an empirical insight into issues relating to the dynamic and organic</p>	<p style="text-align: right;">25</p> <ul style="list-style-type: none"> • Impact Assessment of 20 projects across at least 2 MMPs of mature projects • Baseline Assessment of 5 projects across at least 1 MMP • Detailed Assessment of 2 MMPs in liaison with relevant line-ministry. • E-Readiness Assessment 2009-10 to be 	2010-2011	<ul style="list-style-type: none"> • Assessment Strategy revised to undertake Impact, Detailed and Baseline Assessment. • Knowledge Partner, Research Institutions and Market Research Agencies Empanelled. • Reports released. • Impact Assessment Report of Commercial Taxes – in 5 States. • Impact Assessment Report of 4 ULBs under JNNURM. • Baseline Study of e-District Project in 10 States. • E-Readiness Assessment 2010-11 commissioned.

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
						<p>nature of governance such as how these projects are perceived and services accessed by the citizen and their services accessed by the citizen and their effect on him as an individual as also on the politico cultural environment which sustains the project.</p> <p>A comprehensive list of e Government projects will be prepared to gain a bird's eye view of e Government projects in the country.</p> <p><u>Awareness & Communication</u> National Awareness Campaign for NeGP</p> <ul style="list-style-type: none"> To create awareness among citizens about the initiative and its objectives 	<p>commissioned</p> <p>Create awareness at the national level through a campaign on</p>	<p>2010-2011</p>	<p>Awareness amongst citizens.</p> <ul style="list-style-type: none"> 4 Advertising Agencies Empanelled.

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
						<ul style="list-style-type: none"> To build distinctive brand of NeGP to be utilized across Departmental communications To motivate other external stakeholders Workshops and Seminars at MMPs /State/Divisional level 	<p>various aspects/components of NeGP in India. Educate the common man on the vast potential of e-Gov and encourage him to avail the benefits of the same.</p> <p>Collaterals reaching out to people across urban fringe and rural locations.</p> <p>To promote e-governance among top level political and bureaucratic setup and other sectors like industry,</p>		<ul style="list-style-type: none"> Exhibition Train – Commonwealth Express having 6 IT coaches and 5 Railway Sports Board coaches completed its journey across 24 States and 49 stations. Over 7 Lakh people visited the train. Funding @ Rs. 5000/- per DeGS _ 5000/- per block in that district, released to District e-Governance Societies for creating awareness amongst citizens. Participated in IITF 2010. 13th National Conference on e-Governance concluded successfully at Aurangabad. <p>Build NeGP as distinct Brand</p> <ul style="list-style-type: none"> NeGP declared as umbrella brand for e-Governance activities in the country; Letters issued to all MMP Mission Leaders to incorporate NeGP branding in their communications. Process initiated to declare NeGP as flagship programme

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
						<p>academia and NGOs.</p> <p>Awareness at State level in departments other than IT depts., important issues with respect to faster rollout of e government projects. Divisional seminars will facilitate awareness at grass root level e.g. SDAs, NGOs, VLEs, SCAs</p>		<ul style="list-style-type: none"> • Letters issued to all SDAs and SCAs to incorporate NeGP branding in CSC banners/hoardings. • Joined up campaigns with MMP Ministries initiated. <p>Motivate external Stakeholders.</p> <ul style="list-style-type: none"> • Funding @ ₹ 2 Lac released to 44 Central and State Universities to organize e-Governance related seminars. • Organized workshops with other external organizations. <p>Workshops and Seminars at MMPs /State/Divisional level.</p> <ul style="list-style-type: none"> • 6 Regional Consultation Workshops organised. <p>Organised the 2nd meeting of the National Advisory Group on e-Governance.</p>	

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
11.	Cyber Security (incl. CERT-In, IT Act)	Security Policy, compliance & assurance	-	40.00 includes ₹ 4.00 crore for NER	-	Improvement in security posture of organizations and enhancement in the ability of IT systems and networks to resist cyber attacks.	Implementation of Security Best Practices – ISO 27001 in Govt. & critical sector	Ongoing. Status of compliance to be ascertained at periodic intervals. A document for securing Linux, Windows 7, Vista, SQL to be prepared.	Government and critical sector organizations are implementing the security best practices in accordance with ISO 27001 standard and as per the advice issued by CERT-In. Services of CERT-In empanelled. IT security auditors are being used to verify compliance.
							Implementation of cyber security Crisis Management Plan (CMP) in Central Govt. Ministries/Deptt . as well as States/UT	Ongoing, Periodic cyber security drills to be conducted to verify security posture and compliance. Crisis Management	Third version (March 2011) of Crisis Management Plan for countering cyber terrorism has been prepared and is ready for circulation. Cyber security drills to assess preparedness of organisations to withstand cyber attacks are planned. 3rd Cyber Security mock drill was conducted on 11th December 2010 and 4th

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
							Plan to be updated.	<p>mock drill was conducted on 29 March 2011. Enabling Workshops for critical sectors, States and UTs were conducted.</p> <p>Participated in international incident handling drills in Asia Pacific region in September 2010 and February 2011.</p> <p>In addition CERT-In also participated as observer in Cyberstorm-III conducted by DHS, USA.</p>	
						<p>Cyber Security conformity Assessment Infrastructure (Product, Process & People)</p> <p>Establishment of Common</p>	<p>Ongoing, Empanelment activities to be conducted at periodic intervals</p> <p>Ongoing,</p>	<p>51 auditors were empanelled for audit of IT infrastructure from cyber security point of view. Security audits of Government and critical sectors are being done by these auditors.</p> <p>Technical preparatory work is on to enhance the security product test</p>	

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
		Security training – basic awareness as well as advanced				<p>Criteria (CC) product testing facility and certification scheme.</p> <p>Trained manpower to implement techniques to secure IT infrastructure.</p> <p>Trained manpower to collect, analyse and process digital evidence.</p> <p>Pre-trained manpower will help in securing cyber space and check cyber crimes.</p>	<p>Specific training facilities, training modules and content development</p> <p>Awareness and training programmes to facilitate information sharing to deal with crisis situations.</p>	<p>Upgradation of facility to level 4 testing is planned</p> <p>Ongoing</p> <p>Ongoing</p>	<p>capability to cover CC level 4.</p> <p>Conducted 28 trainings for System/Network Administrators, Programmers, Web application Security professionals, IT Managers, CISOs/CIOs, and IT/Information Security professionals on Computer Forensics, Virtualization & Security challenges, Wireless Security, Adv Web Appl. Security, Secure coding in PHP, Secure coding in .NET, Crimeware and Financial Frauds, IT and Wireless Security, VoIP Security, DNS Security, Vulnerability Assessment & Penetration Testing, Info. Security Policies and Procedures for CISOs,</p>

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
		Security R&D for indigenous skills & capabilities				Development /enhancement of skills and expertise in areas of cyber security	Research and development of indigenous cyber security solutions, proof of concepts and prototypes and skilled manpower in areas of cyber	Ongoing. Formulation of proposals with special focus on mobile security, network and system	DDoS Attacks & Mitigation, Secure Coding in C/C++, Web server security, Mail server Security, Windows Security, Stuxnet Malware threats & countermeasures, Information Security & Cloud Computing, Stuxnet Malware Threat & Response Measures, SQL Database Security, ORACLE Database Security, Introduction to Information Security, MySQL Database Server Security, Network Perimeter Defense, Linux/Unix Security and Web Application Security Current Trends - 886 people have been trained. Working Group constituted with experts from Academic/ R&D organisations, Government and user organisations provided advisory support for implementation of R&D programme.

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
						<p>security including</p> <ul style="list-style-type: none"> • Crypto Analysis & Research • Authentication • Network & System Security - Mobile • Monitoring & Forensics • Vulnerability through sponsored projects at recognized R&D organisations 	<p>security assurance, enterprise forensics & evaluation of proposals by Working Group</p>	<p>R&D proposals were formulated in the areas of (i) packet marking schemes (ii) honeypots, (iii) enterprise level security metrics, (iv) steganalysis covering digital multimedia objects, (v) side channel attack resistant programmable block ciphers, (vi) trust models for cloud computing, (vii) cryptanalysis, (viii) SCADA security, (ix) Secure routing in P2P networks, (x) computer forensic lab and training facility and Fifteen projects were initiated.. and (xi)network traffic classification. Fifteen projects have been initiated.</p> <p>Periodic review of individual projects</p> <p>Thirty one on-going projects were reviewed by the respective Project Review and Steering Committee (PRSG) of the on-going projects and follow up actions have been taken.</p>	

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
		Security incident – early warning and response (CERT-In)				Enhancing the security of communications and information infrastructure in the country	Rapid response, resolution and recovery Security incident prediction, prevention and protection Security assurance	Ongoing. Continuous upgradation of CERT-In facilities and capabilities to counter growing cyber security threats. Facility for collection of samples and analysis for anti-virus signatures. Realtime Malware tracking and analysis with special focus on virus/bots.	A new dynamic web site of CERT-In has been hosted. New modules for updation have been added. Facilities and capabilities were enhanced by adding Application and signature based threat detection systems. Signature based virus filtration hardware installed for securing incoming and outgoing emails. Work for establishing the disaster recovery centre has been initiated. IP based vulnerability detection hardware has been installed. Security Incident Response-Around 8725 security incidents handled.

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
							<p>Real time response to cyber security incidents</p> <p>Alerts, Advisories and vulnerability Notes</p> <p>Cyber Security Mock drills</p>	<p>15067 Indian website defacements tracked. Incident Response and Advice for prevention provided to affected organisations.</p> <p>2572 open proxy servers in India were tracked and actions were taken to mitigate the same.</p> <p>Around 3961500 Bot infected systems and 32 Command & Control servers were tracked in India.</p> <p>57 Security alerts issued.</p> <p>78 Security Advisories issued.</p> <p>227 Security Vulnerability notes issued.</p> <p>Security Bulletins covering various cyber security issues, intrusion trends and defence mechanisms are being published every month.</p>	

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
		Cyber laws for supporting E-Commerce and E-Governance activities				A legal framework, which will instill confidence of the users and investors in the area of Information Technology in the country, will be in place.	<p>Legal Framework that can effectively support growth of E-Commerce and E-Governance in the country.</p> <p>Operation and maintenance of Cyber Appellate Tribunal</p>	<p>Cyber Forensics – comprehensive manual of procedures for cyber crime investigation to be prepared.</p> <p>Ongoing, Rules pertaining to additional sections to be formulated</p> <p>Ongoing, Awareness programmes for adjudicating</p>	<p>Three manuals for skill enhancement in the area of cyber forensics prepared.</p> <p>Rules in respect of 8 key sections of Information Technology (Amendment) Act, 2008 notified.</p> <p>The Chairperson, CAT, participated in 24 Awareness programme organized by various organisations and delivered lectures Cyber laws and adjudication issues in India, cyber</p>

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
								officers to be organized. National, Regional and State level seminars proposed.	security for judicial officers etc, Organised a Seminar on “Enforcement of Cyber Law” in May 2010 in which participants were Adjudicating Officers of States & UTs, Hon’ble Judges In-charge of E-courts of High Courts and State police personnel, Hon’ble judges of the Supreme Court etc. CAT handled a number of cases and 7 cases have been disposed off.
12.	Promotion of Electronics / IT Hardware Mfg.	Promotion of Hardware Manufacturing in the country.	-	2.50	-	Supporting the setting up of Semiconductor Fabrication and other micro and nano technology manufacture industries in the country under SIPS.	This would encourage investment in electronics/IT hardware manufacturing sector	March 2011	Special Incentive Package Scheme (SIPS) was available upto 31.3.2010. In all, 26 applications have been received. Out of the 26 applications, 22 pertain to Solar Photovoltaic (SPV), 2 to LCD Panel / Glass and 2 to Semiconductors/ ATMP. Eighteen (18) of these 26 applications were received prior to 31.12.2009 and the remaining 8 between 31.12.2009 and 31.3.2010.

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
						Conducting Studies and preparation of Position Papers related to promotion of Electronics/IT Hardware manufacturing.		<p>16 SPV applications have been examined by the Technical Evaluation Committee (TEC). Only 11 applicants have reported achieving Financial Closure (FC) of more than the threshold level of ₹ 1000 crore by 31.12.2010.</p> <p>2nd meeting of the Appraisal Committee was convened on 19-01-2011 to take note of the status and deliberate relevant issues. Now, the proposed action has been finalized and action is being taken in this regard viz examinations of the cases of applicants who have reported FC as above. Separately, the disbursement guidelines are being finalized.</p> <p>Following two studies are underway: (i) Study entitled “Electronics Components, Hardware Market and Manufacturing Output Study including related Assemblies and Value Chain in India (ELCOMOS)” by Electronic</p>	

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
								<p>Industries Association of India (ELCINA) at an outlay of ₹ 30 lakhs (DIT's contribution: ₹ 24 lakhs) and</p> <p>(ii) Study on semiconductor and embedded design service Industry by India Semiconductor Association (ISA) at an outlay of ₹ 24.00 lakhs (DIT's contribution: ₹ 16.50 lakhs).</p> <p>(i) A study on Attracting Investment for Setting up of Semiconductor Wafer Fabrication Facilities in the Country through the India Semiconductor Association (ISA), Bangalore was commissioned at the total estimated cost of ₹ 1894 lakh (Rupees One Crore Eighty Four Lakh only) to be given to ISA as grant-in-aid by Department of Electronics and Information Technology.</p>	

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
13.	Manpower Development (including Skill Development in IT)	E-learning	-	113.00 includes ₹ 25.00 crore for NER	-	<p>Design and Development of Service Oriented Architecture based Standards Compliant e-Learning Framework with Personalized Learning Features - to develop an intelligent e-learning system catering to personalized learning complying with standards, using technologies like service oriented architecture (SOA), web mining and Rich internet applications (RIA).</p> <p>Design and Development of a Framework for Adaptive Instruction (FAI) – to deliver instruction in personalized manner, to set up FAI server, to</p>	<ul style="list-style-type: none"> • E-learning standard compliant tool with support to Personalized learning • An integrated conversion tool for creating SCORM compliant content • Integrated video streaming capability <p>Creation of an environment that presents learning material depending on the learner</p>	<p>Nov., 2011</p> <p>Dec., 2011</p>	<p>Activities such as literature survey, exploration of Rich Internet Application (RIA) framework and prototype demonstration of sample application, exploration of web mining related aspects, exploration of Personalized E-Learning Environment related aspects and identification of relevant services has been completed. Two papers have been published and also conducted a two day Workshop on Digital Learning.</p> <p>Activities such as Comprehensive study report on existing work in personalized adaptive learning, design of FAI, design of instruction markup language, first draft on development of adaptive Content for one subject of sixth standard have been completed.</p>

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
						<p>provide Indian language support.</p> <p>Real Time Video Compression and Decompression techniques - to improve latency and performance of video compression and decompression techniques based on standard H.264 for lower bandwidths (below 128 kbps) and to provide better quality of video and audio at lower bandwidths and lesser latency for e-Learning.</p> <p>Fresh project proposals for E-Learning in the area like development of authoring tools, Video Compression/ decompression techniques, developing content independent of Platform and environment,</p>	<p>model and preferences</p> <ul style="list-style-type: none"> To improve codec standard H.264 or to develop video compression and decompression (codec) standard for better quality of video such as 128 kbps. 	Dec., 2011	<p>Work related to Literature Survey has been completed and Experimental set is ready. Organized a workshop on beagleboards for video compression to explore hardware possibilities for performance.</p> <p>Working Group recommended following 3 new project proposals in the area of E-Learning in its meeting held in Oct. 2010 and these have been approved by the competent authority.</p> <ul style="list-style-type: none"> R&D Project Proposal “Online Labs (Olabs) for School Lab Experiments”, CDAC Mumbai

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
						Personalized Learning and content management system etc. will be invited from various academic institutions, R&D labs etc.		<p>& Amrita Vishwa Vidyapeetham, Kerala.</p> <ul style="list-style-type: none"> Adaptable e-Learning Accessibility Model for the Disabled, CDAC, Knowledge Park, Bangaluru & CDAC Hyderabad. Content generation, adaptation and distribution in m-learning environment for Mobile phone applications, CDAC, Hyderabad & Thiagarajar College of Engineering, Madurai. <p>All project components like conducting of Symposium, International Conferences, Seminars, Workshops, Brainstorming Sessions, Competitions, Commissioned Research and Consultancies etc. have been completed. The project has been recommended for closure by PRSG w.e.f. 31-3-2011.</p>	

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
		Human Resource Development in the country in the area of Information Security.				<ul style="list-style-type: none"> • Launching/ continuation of Information Security Curriculum at B.Tech/ M.Tech/ Ph.D levels and train System Administrators; • Establishment of Information Security labs at RCs and PIs; • Training faculty of Participating Institutes; • Train Central and State Government Officers; and • Awareness Programmes in the area of Information Security. 	<p>Generate qualified IT security professionals for Industry/ Govt.</p> <p>Human Resource Development and awareness in the area of Information Security.</p> <p>Secured environment for BPO, Commerce and governance</p>	March 2011	<p><i>Academic Activities:</i></p> <ul style="list-style-type: none"> - The Resource Centres(RCs - 06)/Participating Institutes(PIs - 33) have launched academic courses on Information Security from doctoral level to short-term level; So far more than 30,000 students have been trained/ undergoing training in various long-term/ short-term courses at these institutes. - Four (04) Faculty training programmes for PIs organized through TIFR & IISc. - Information Security Labs set up at all the RCs and PIs. - Schemes for Travel Fellowship for attending conferences, paper presentation, short-term courses, workshops, tutorials etc. for students and faculty of RCs/PIs, and Revised Ph.D Scholarship/Fellowship for students of RCs/PIs evolved and launched. <p><i>Government Officer Training: implemented through six</i></p>

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
								<p><i>implementing agencies viz. NIC, CERT-In, STQC, CDAC DOEACC Society, ERNET India.</i></p> <ol style="list-style-type: none"> 1. Organized training of seventy eight (78) Master Trainers so far through IISc. Bangalore at ISTM, Delhi, IISc., Bangalore & CMU, USA. 2. Organized an Advanced level training programme for a batch of 20 participants at CMU, USA through IISc. Bangalore. 3. Various Training Programmes for Government Officers are being conducted by six (6) Implementing Agencies. 4. A modular courseware on Information Security (10 Modules) for short duration training programmes has been designed/developed through CDAC, Hyderabad. The courseware has also been integrated with e-learning tool (e-Sikshak) and hosted through website by C-DAC Hyderabad. 	

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
									<p><i>Information Security Awareness: implemented through CDAC Hyderabad.</i></p> <ul style="list-style-type: none"> • So far 241 workshops have been organized across the country covering about 8784 Teachers/ Parents/ CSC/ NGOs, etc., and about 27,600 school children/ Engg. or Degree college students. • During these workshops, around 18,500 Awareness Kits (with promotional material and Hand Books) were distributed. • 30 posters on various topics of Information Security Awareness were designed and around 65,000 posters were distributed to target users. Further, around 30,000 stickers were distributed in Mumbai Internet Safety Week 2010 in association with Mumbai Cyber Police, NASSCOM, and DSCI. • 5 cartoon videos developed for children.

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
								<ul style="list-style-type: none"> • A dedicated website for information security awareness (http://www.infosecawareness.in) has been developed. • Course material like guidelines for XP, Linux, wireless configurations developed. • Security e-Books developed (Security Guidebook, Security Tool Kit, Children Hand Book, Guidebook for Teachers and Parents) and made available on the web site - 2050 downloads so far. • Developed Information Security Awareness Diary-2011 with 365 tips. • Hindi version of Security Awareness Handbook developed. <p><i>Certification Scheme for Information Systems Security Professionals: implemented through DOEACC Society.</i></p> <ul style="list-style-type: none"> • A national level certification scheme for Information Systems Security professionals evolved 	

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
								<p>with DOEACC Gorakhpur as nodal centre.</p> <ul style="list-style-type: none"> • The scheme consists of three levels. The detailed syllabus and Practical Assignments for Level 1 and Level 2 has been finalized. • Level 1 and Level 2 of the Scheme viz. <i>Certified System Security Analyst (CSSA) and Certified System Security Professional (CSSP)</i> have been launched by DOEACC Society in July 2010 and January 2011 respectively. • For Level 1: CSSA, 207 participants got registered for July 2010 Batch and 94 registered for January 2011 Batch. • For Level 2: CSSP, 46 participants got registered for January 2011 Batch. • Examination for July 2010 Batch was held in December 2010 and results were declared in March 2011. Total 11 students who have cleared all 	

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
		Scheme of Manpower Development for the Software Export Industry				<ul style="list-style-type: none"> • Creation of course curriculum, Contents and Question Bank • Generation of quality faculty and mentors • Upgradation of skills of graduates to make them employable • Augmentation of 	<p>Human Resource Development in the area of Information Technology for software export industry</p> <p>Generation of Mentors/quality Faculty</p> <p>Enhancement of</p>	<p>March 2011</p>	<p>the 5 papers were awarded CSSA.</p> <ul style="list-style-type: none"> • Detailed syllabus and structure for Level 3 is being designed/finalized in consultation with experts. <p><i>Miscellaneous</i></p> <p>Two Appraisal Workshops covering all the RCs/Pis and implementing agencies conducted so far at IIT Madras and IIT Guwahati.</p> <ul style="list-style-type: none"> • Various projects under the scheme are being implemented at C-DAC-Noida, IIT-Allahabad, IIITM-Gwalior, IIT-Bangalore, IIT-Hyderabad, State Government of Tamil Nadu, and UP Technical University. CDAC at Hyderabad & Pune have completed project successfully. • Necessary training

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
						<p>infrastructure facilities for ICT training to enhance the intake capacity</p> <ul style="list-style-type: none"> • Expansion of state-of-the art facility for advanced (industry related) IT training programmes • National On-line Test System for Graduate Engineers in Information Technology 	<p>quality of ICT education in Engg. Colleges. Virtualization of Technical Education in IT</p> <p>National On-line Test System for Graduate Engineers in Information Technology</p>		<p>infrastructure classroom, lab etc. has been created.</p> <ul style="list-style-type: none"> • Various ICT training programme are being offered in the area of Information Security & its Application, Data warehousing & mining, Data Digitization, Advertising & Brand management using IT, GIS Technology in Financial system, E-commerce system, Expert systems and application, E-operations and Software development & Project management, Embedded System, E-Learning, Data Structure and Algorithms, Database Management System, Computer Network, Communication Skills and Personality Development, Management Skills, C++, Java, J2EE, ASP.NET and C#, Digital Signal Processing System Design Management skills, IT Outsourcing, e-Contents development, Data Structure, Faculty Updation Programme in

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
									<p>various areas. So far 15368 students/ faculty have been trained/ undergoing training.</p> <ul style="list-style-type: none"> • The development of ‘Online Examination Software’ has been completed. The testing of this software is in progress. • Summer school courses were conducted on e-Healthcare, Experts Systems Applications & Global Banking and Finance in e-World. International seminar on Empowering visually impaired through ICT and a workshop on Content development in Advertisement and Brand Management through IT Tools were conducted. Training has been conducted for teachers/research scholars/professionals in the areas of GIS, Expert Systems, e-Healthcare, Global Banking, e-Content development & delivery and Advertisement & Brand Management. Also

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
									<p>conducted training for farmers/Knowledge Workers in the area of Tele Agriculture, Tele Education, Tele Medicine, Land & Water Resource advisories, e-Governance services & Weather advisories.</p> <ul style="list-style-type: none"> Necessary infrastructure is being set up for 14 nodal centers, 12 in UP and 2 in Uttarakhand. Trial runs of the online lectures were disseminated and tested using the infrastructure. The Audio and Video quality was observed to be satisfactory. Presently NPTEL course contents are being delivered in virtual mode. <p>In addition the following projects have been initiated:</p> <ul style="list-style-type: none"> ‘Setting up of ICT Academy Kerala (ICTACK)’ with the primary objective to train faculties in Engineering, Arts, Science, Polytechnic and ITI’s and support roll out of mass based HR programme for

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
		Human Resource Development in the North-Eastern Region				<ul style="list-style-type: none"> Regional Institutes for e-Learning and Information Technology (RIELIT) at Kohima (Nagaland) and Agartala (Tripura) 	Create skilled manpower in the area of Computer Science and Information Technology and related disciplines for making available industry ready professionals	March 2011 (RIELIT Kohima)	<p>graduates. Action has been initiated for implementing the project by the State Government of Kerala.</p> <p>'IT Enabled Soft Skill Enhancement Training Programme to Improve Employability of Engineering and Management Students' by Anna Universities of Coimbatore and Chennai. So far 5165 & 5610 students trained by Anna University Coimbatore & Anna University Chennai respectively.</p> <ul style="list-style-type: none"> RIELIT, Kohima is conducting BCA, DOEACC O/A level in IT and CHM, CCC and other short term courses. Total 2745 students have been enrolled under various long term and short term training courses at RIELIT Kohima and its extension center at Chuchuyimlang. Presently training programmes are being offered from permanent RIELIT campus at Mereima, Nagaland.

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
						and also cater to the needs of the respective state and the region as a whole.	March 2012 (RIELIT Tripura)	<ul style="list-style-type: none"> The construction related finishing works at Academic Building, Girls Hostel, Staff Quarters, etc. are in progress. RIELIT, Agartala, Tripura is conducting DOEACC 'O' & 'A' level, CHM 'O' & 'A' level and ITES-BPO from temporary accommodation provided by the State Government of Tripura since December, 2008. Total 835 students have been enrolled for various courses at RIELIT, Agartala. Fencing of the land for RIELIT has been completed. Selection of Project Management Consultant (PMC) is in final stage for constructing of the permanent campus of RIELIT at Mouja Radha Krishore Nagar, Agartala. 	
						<ul style="list-style-type: none"> New DOEACC Centres at Shillong (Meghalaya), Gangtok (Sikkim) and Itanagar (Arunachal Pradesh) 	Dec 2012 (DOEACC Shillong)	<ul style="list-style-type: none"> DOEACC Centre, Shillong has started training courses from rented premises since December 2009. So far, 270 nos. of students have been enrolled in various long term and short 	

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
								terms courses.	
							July 2013 (DOEACC Gangtok)	<ul style="list-style-type: none"> Action has been initiated for setting up of DOEACC Centre, Gangtok. A four storied building with approx. 10,000 sq. ft. built-up space has been taken on rent at Sichey, Gangtok. Renovation work is completed. Training Program commenced from December 2010. DOEACC courses 'BCC', 'CCC', 'O' level and other short term course have been started. Total 35 nos. of students have been enrolled by 31.03.2011. 	
							January 2014 (DOEACC Itanagar)	Action has been initiated for setting up of DOEACC Centre Itanagar by hiring built up space on rent at Naharlagun/ Itanagar, Arunachal Pradesh. Presently DOEACC course 'CCC', 'A' level in IT has been started, where total 40 students have been enrolled so far.	
		Digital Library Initiatives – Digitization /				<u>On-going Projects</u> Digitize: 10-15 Million pages	Strengthen Country's identity by	March 2011	<ul style="list-style-type: none"> Digitized 20 Million pages Connectivity provided to nodal

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
		preservation and web enabling of Copyright free data available in physical form				<p>Providing bandwidth connectivity to IISc., IIT, Hyderabad and C-DAC, Noida</p> <p>Hosting the DLI web site for accessing the digitized data</p> <p><u>New projects</u> Digitize around 20 Million pages</p>	<p>digitally preserving the National Heritage and Intellectual output</p> <p>Strengthen Country's identity by digitally preserving the National Heritage and Intellectual output.</p>	<p>March 2011</p>	<p>centers</p> <ul style="list-style-type: none"> • Data hosted on DLI web site • Equipments installed for setting up of a repository of digitized data. • Data from IISc., Bangalore has been transferred on this repository <p>3 New projects have been initiated for digitization of rare copyright free documents.</p>
14.	Facilitation of Setting up of Integrated township	Information Technology Investment Regions (ITIR) scheme has been notified in the Gazette of India under which each	-	1.00	-	IT cities of world class quality of life in different States/UTs.		2009-2014	Proposals to set up ITIRs received from four States namely Karnataka, Andhra Pradesh, Orissa and Tamil Nadu. These proposals are at various stages of evaluation.

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
		State in India can set up an integrated township with world class infrastructure for facilitating growth of IT/BPO and Sunrise Industries.							
15.	Headquarters	Secretariat & Building. Foreign Trade Exhibitions. Others - Seminars/ Workshops.	27.30 3.10 0.80 0.50	35.00	-	To meet running expenditure of the Secretariat and Plan Schemes; CST re-imburement of STPI units; To organize exhibitions abroad for promotion of Trade ; and To organize seminars/ workshops for development of electronics in IT.	To run office smoothly. Export promotion Trade promotion Development of electronics in IT		On continual basis
16.	National Informatics Centre (NIC)	Provide wide range of E-Governance infrastructure and services in the Country at various levels	-	700.00 Includes ₹ 72.00 crore for NER	-	Cyber Security Network and application security audit, Correlation of security events, Expansion of help desk facility for	Enhanced security on NICNET.	March, 2011	Auditing of networks and applications are continuous activities. Security Monitoring Centre (for correlation) and Anti-virus

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
		right from Central Government, State Governments to district administrations in their initiatives towards providing good Governance to the people.				secure coding and source code scanning.			helpdesk are active. Scanning helpdesk has been enhanced with multiple application scanners. Enterprise application scanner has been deployed and provided to states and departments. UTM has been implemented in 17 Bhavans and nine State centre.
						Certifying Authority Setting up of new Registration Authorities (RA)	DSC Subscribers will be serviced by new RA office in selected states	March, 2011	Completed
						Provision for additional Redundancy for continuity & minimum downtime.	Procurement of H/W & S/W for additional system redundancy	March, 2011	Completed
						Computerisation of Land Records Integration model of Land Record,	Enhanced Usability,	December, 2010	Completed. Training initiated for 12 States,

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
						Registration and Cadastral maps Customization of Bhunaksha software for the Northern States	optimization of application Software will become useable as per user requirement and environment.	March, 2011	Content ready and approved by Ministry of RD. Completed. Software Implemented in Himachal Pradesh.
						Videoconferencing infrastructure development			
						Web based HD VC system	Availability of HD service over Internet/Intranet	Procurement September, 2010	Completed
						Augmentation of infrastructure	Availability of better VC facility.	Procurement December, 2010	Completed
						Multipoint infrastructure	Availability of better quality VC service.	Procurement January, 2011	Completed
						India Image			
						Augmentation of Comprehensive WWW Service	Enhanced Web services.	Procurement October, 2010	Completed

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
						<p>Website Design and Development Infrastructure</p> <p>Remote Sensing & GIS</p> <p>GIS ICT Infrastructure, Deployable GIS data Meta Data Raster as well as Vector GIS Services over NICNET for E-governance & planning</p>	<p>Facilitate development of web sites using state-of the-art technology.</p> <p>Customized GIS data products and services over NICNET for E-governance & Planning.</p>	<p>Procurement December, 2010</p> <p>Procurement March, 2011</p>	<p>Completed</p> <p>National GIS Services using NICMAP Service with rich Indian data from multiple sources as well as in full alignment with Global Services such as Bing, google, ESRI ahs been released in NICNet domain.</p> <p>Ground Verification of Village Boundaries completed except J&K and few UTs.</p> <p>GIS services for Telecom, Digital Vulnerability for Disaster Management, Soil Information Services and Environmental set up has been created.</p>

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
						<p>Utility Mapping Project Basemap updation of Delhi City, Field Data Photogrammetry data Digital Basemap data</p> <p>Data Centre Data Centre at Pune</p> <p>Data Centre at Delhi & Bhubneshwar</p> <p>Procurement of Remote management devices.</p>	<p>Basemap updation for roads of North Delhi</p> <p>Availability of increased Data Centre facility for e-governance projects.</p> <p>Establishment will be initiated.</p> <p>Facilitate remote</p>	<p>Data collection/ updation March ,2011</p> <p>Procurement March, 2011</p> <p>Procurement March, 2011</p> <p>Procurement October,</p>	<p>Updation of roads data of Delhi completed.</p> <p>Commissioned</p> <p>Establishment of new Data Centre is nearing completion; Unit testing of systems is in progress.</p> <p>Site suitability testing for establishment of Data Centre at Bhubaneswar has been completed. Accordingly SFC proposal has been prepared and being processed.</p> <p>Completed</p>

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
						management of servers hosted at DC by respective departments. Hence increasing convenience and efficiency.	2010		
						High Speed Terrestrial Circuits 150 Districts will have 34 Mbps connectivity.	Increase of connectivity capacity and Bandwidth	Procurement March, 2011	Completed
						300 Districts will have STM1 channaelised connectivity to extend last connectivity	Better monitoring and minimization of downtime for lastmiles and quality of services.	Procurement March, 2011	Completed
						NICNET International Gateway project Gateway Bandwidth will be upgraded to 4	Enhanced and efficient	Procurement March, 2011	Commissioned

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
						Gbps and 2 additional gateways will be installed at Mumbai and Chennai.	availability of Internet Services		
17.	National Knowledge Network (NKN)	The objective of the National Knowledge Network is to bring together all the stakeholders in Science, Technology, Higher Education, Research & Development, and Governance with speeds of the order of gigabits per second coupled with extremely low latencies; through PoPs in the respective	-	100.00 Includes ₹ 10.00 crore for NER (A sum of ₹ 1262.00 crore has been enhanced in RE 2010-11 to ₹ 1362.00 that includes ₹136.20 crore for NER)	-	NKN will interconnect all institutions engaged in research, higher education and scientific development in the country, over a period of time. The output of the project will be a high capacity Infrastructure at education & research Institute level, which will be available 24x7 to support education and research application, and other application as envisaged by these institution which require very high bandwidth. <u>Final Phase* :</u> <u>Revised Target for</u>	The NKN will facilitate the knowledge sharing, collaborative research, countrywide classrooms (CWCR) etc. and help the country to evolve as Knowledge Society. This will also contribute in socio-economic activities of the country indirectly.	-	<u>Budget status of NKN</u> <u>Initial Phase</u> (under initial phase two projects approved by SFC) ₹ 60 cr. was released in FY 2008-09. ₹ 20 cr was released in FY 2010-11 so far. <u>Final Phase</u> (approved by CCI with total outlay of Rs 5999.00 cr. over a period of 10 years on 25th March 2010) ₹ 240 cr was released in FY 2009-10. ₹ 1362 cr was released in FY 2010-11. Out of which ₹ 1342 cr released for Final phase, and ₹ 20 cr was released for initial phase. <u>Implementation Status of NKN</u> • A core Backbone consisting of

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
		institutions/ organisation.				<p><u>2009-10 (for Jan to March 2010)</u></p> <p>Complete Garuda Migration Connect 33 institutions more by March 2010 Virtual Classrooms in all the IIT's Gateway /Indo EU link establishment To move from Initial Phase to Final Phase.</p> <p><u>Target for 2010-11</u> CORE BACKBONE : 34 Locations Approximately 78, 10Gbps links End nodes 500-550 locations. Enhancement of Infrastructure at various PoPs. Create a Test-bed Infrastructure for research support. Starting Data Centre Setup with few services.</p>			<p>17 Points of Presence (PoPs) have been established.</p> <ul style="list-style-type: none"> • A total 210 links have been allocated so far, out of which 130 links to Institutions have been commissioned and made operational. • A total of 79 core links have been allocated so far, and 56 are made operational so far. • 26 virtual classrooms were setup in IITs, IISc etc. • The MoU has been signed between (NIC & NICS) & the service providers namely BSNL, Railtel, PGCIL & MTNL. • TEIN3 links is integrated with NKN. • Initial set of IP numbers from APNIC has been obtained, and IP allocation from the APNIC has been done. • MoU has been signed between GLORIAD (The Global ring network for advanced applications development), the National Knowledge Network

CHAPTER – IV
REVIEW OF PAST PERFORMANCE (2010-11 – Up to 31.3.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2010-11 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.3.2011
			Non-Plan Budget	Plan Budget	Compl EBR (IEBR)				
						Model Projects. International R&D Connectivity & Internet Gateways.			<p>(NKN) and Tata Institute of Fundamental Research (TIFR).</p> <ul style="list-style-type: none"> • Network Sanitation Lab is being setup at IIT Mumbai, for sanitization of network equipments to be deployed in NKN. • The five Model projects recommended by Model Project Evaluation Committee (MPEC) in its first meeting were approved by HLC in its 9th meeting held on 6th August 2010. • Domain Naming System has been installed for the NKN. • Data Centre / NOC space has been acquired the development work is in progress.

4.2 Review of Past Performance 2011-12 (Up to December, 2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
1.	Micro-electronics and Nano-technology Development Programme	To establish nanoelectronics & microelectronics base in the country through setting up of centres of excellence, technology development & capacity building through sponsored R&D projects in the area of nanoelectronics, nanometrology, Microelectronics, and MEMS.	-	100.00	-	3 large/medium/small nanoelectronics projects will be initiated.	It would enable creation of a strong R&D base in nanoelectronics in the country	April 2011-March 2012	One large project “Centre of Excellence in Nanoelectronics- Phase II” has been approved for initiation from 1.1.2012. Another large project scheduled for 2012-13 was initiated in March, 2011 itself.
				Includes ₹ 5.00 crore for NER		14 on-going nanoelectronics projects will be continued.	It would enable creation of a strong R&D base in nanoelectronics in the country	April 2011-March 2012	Progress of 19 nanoelectronics ongoing projects has been monitored and the required funds released.
						2 projects on microelectronics will be initiated.	It would enable creation of a strong R&D base in microelectronics in the country	April 2011-March 2012	3 new projects initiated.

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
						11 on-going microelectronics projects will be continued.	It would enable creation of a strong R&D base in microelectronics in the country	April 2011-March 2012	One project is completed. The ongoing projects continued to achieve the projected goals and objectives.
2.	Technology Development Council (Incl. ITRA)	IT for Industrial Applications To strengthen local base for R&D/ application in	-	79.00 Includes ₹ 7.00 crore for NER	-	National Mission on Power Electronics Technology Phase II (NaMPET II)			

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
		Electronics & IT in the field of Industrial Electronics, Agriculture and Water Resources.				<p>First Qr. 1.4.2011 –30.6.2011</p> <p>Initiation of Full Spectrum Simulator Miniature model</p> <p>Creation of Simulation Centre at IIT Bombay</p>	<p>Miniature model of Full spectrum simulator for educational institutes.</p> <p>Initiation of the project Simulation Centre at IIT Bombay for Power Electronics Systems.</p>	<p>May 2011</p> <p>June 2011</p>	NaMPET-II has been initiated having outlay of ₹ 49.89 crores for 60 months duration. The start date of project is 2.1.2012
						<p>Second Qr 1.7.11 – 30.9.2011</p> <ul style="list-style-type: none"> • Infrastructure up-gradation at Nodal centre (starting) • Conduct First Short-term course on Power Electronics 	<p>Starting of activities of Lab Infrastructure at Nodal Centre</p> <p>One Short-term course</p>	<p>July 2011</p> <p>July 2011</p>	-do-
						<p>Third Qr 1.10.11 – 31.12.2011</p> <ul style="list-style-type: none"> • Conduct Second Short-term course on Power Electronics 	<p>One Short-term course</p>	<p>Oct 2011</p>	-do-

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
						<ul style="list-style-type: none"> Up-gradation of NaMPET website at Nodal Centre 	Enhanced version of NaMPET website www.nampet.in	Nov 2011	-do-
						National Workshop on Power Electronics -NWPE 2011	NWPE 2011	Nov 2011	-do-
						Fourth Qr. 1.1.2012 -31.3.2012			
						<ul style="list-style-type: none"> Conduct Third Short-term course on Power Electronics 	One Short-term course	Feb.2012	-do-
						Automation System Technology Centre (ASTeC)			
						First Qr. 1.4.2011 –30.6.2011			
						Embedded Controller & General Purpose Controller	Completion of field trials	June 2011	Completed
						Initiation of Demonstration projects	Preparation of detailed project report, study of sub systems	June 2011	Initiated in July, 2011

Chapter – IV

REVIEW OF PAST PERFORMANCE (2011-12 Upto 31.12.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
						Second Qr 1.7.11 – 30.9.2011			
						Real Time Expert System Shell	Field trials of Failure Forecast Engine	Aug 2011	Completed
						MEMS level sensor	Development of MEMS sensor prototype	Sept 2011	Completed
						Demonstration projects	Completion of system engineering of sub systems	Sept 2011	Completed
						Third Qr 1.10.11 – 31.12.2011			
						Wireless Sensor Network	Completion of testing & commissioning of WSN	Dec 2011	Completed
						MEMS level sensor	Integration with electronics	Dec 2011	Completed
						Fourth Qr. 1.1.2012 to 31.3.2012			
						Wireless Sensor Network	Development of Mote for vehicle sensing	March, 2012	Progressed for completion

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
						MEMS level sensor	Completion of packaging & field trials	March, 2012	Progressed for completion
						Demonstration projects	Completion of testing & Commissioning	March 2012	Progressed. National Steering Committee has recommended extension of project upto Sept. 2012.
A Collaborative Intelligent Transportation System Endeavour For Indian Cities (ITS)									
First Qr. 1.4.2011 –30.6.2011									
						Congestion Management using RFID	Completion of field trials and demonstration	April 2011	Completed
						Wireless Traffic Control Systems	Prototype to be ready for field trials	June 2011	Completed
						Second Generation CoSiCoSt (2G-CoSiCoSt)	Release of Traffic Simulator Software beta version	June 2011	Completed
						Intelligent Parking lot Management System	Complete testing at CDAC T Parking area.	June 2011	Completed

Chapter – IV

REVIEW OF PAST PERFORMANCE (2011-12 Upto 31.12.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
						Red light Violation Detection System	Complete field trial at Trivandrum	June 2011	Completed
						Qr. 2 1.7.11 – 30.9.2011 Wireless Traffic Control Systems	Completion of field trials	Sept. 2011	Completed. Product ready for TOT.
						Real-time Traffic Counting and Monitoring System	Setting up of Control room at IIT Bombay.	Sept. 2011	Completed.
						Intelligent Parking lot Management System	Completion of field trials	Sept. 2011	Completed at CDAC Thiruvananthapuram. But another field trials going on at site given by PMC, Pune.
						Qr. 3 1.10.11 – 31.12.2011 Second Generation CoSiCoSt (2G-CoSiCoSt)	Release of Product.	Nov. 2011	Product is undergoing testing before release.

Chapter – IV

REVIEW OF PAST PERFORMANCE (2011-12 Upto 31.12.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
						Real-time Traffic Counting and Monitoring System	Loop and Video site installation Beta version of Algorithm for real time data display and reports	Dec. 2011	Installation completed and testing is going on.
						Intelligent Parking lot Management System	Release of Product.	Dec. 2011	Released. Advertisement given in newspaper for seeking expression of interest for technology transfer.
						Intelligent Transit Trip Planner and Real-time Route Information	Pilot testing of Real-time trip planner	Dec. 2011	Testing of first level prototype completed.
						Red light Violation Detection System	Release of Product.	Dec. 2011	Released. Product ready for TOT.

Chapter – IV

REVIEW OF PAST PERFORMANCE (2011-12 Upto 31.12.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
						Fourth Qr. 1.1.2012 to 31.3.2012 Real-time Traffic Counting and Monitoring System	Customized loop for heterogeneous traffic, Algorithm for real time data display and reports	Mar. 2012	Progressing but it is likely to take some more time to complete the project.
						Advanced Traveller Information System for Indian Cities	Video Cameras and communication network installation	Mar. 2012	-do-
						Intelligent Transit Trip Planner and Real-time Route Information	Travel time prediction algorithms, Real-time trip planner under operation.	Mar. 2012	-do-
						Application of Electronics for Agriculture & Environment (e-AGRIEN)			
						First Qr. 1.4.2011 –0.6.2011 Development of Electronic Nose for odour handling	Procurement of Sensors and Testing	June 2012	Completed
						Second Qr 1.7.11– 30.9.2011 Agri Information Sysytem	Development of Application Software	July 2011	Completed

Chapter – IV

REVIEW OF PAST PERFORMANCE (2011-12 Upto 31.12.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
						Decision Support system for Tea Production	Wireless Sensor Network Software development	Sept 2011	Completed
						Membrane Electrode Array of Taste Characterisation of Agro Products	Sensor development	Sept. 2011	Basic Membrane developed.
						Third Qr 1.10.11–31.12.11			
						Development of Electronic Nose for odour handling	Integration of Sensor Array for odour handling	Dec. 2011	Completed
						Digital Image processing in Tasar Sericulture	Development of Hardware and software	Dec. 2011	Completed
						Organization of Workshop/ Seminar	Dissemination of R&D output and feedback.	Dec. 2011	Planned in January, 2012
						Fourth Qr. 1.1.12- 31.3.2012			
						Decision Support system for Tea Production	Field Testing of prototype	Mar. 2012	Progressing
						Membrane Electrode Array of Taste Characterization of Agro Products	Dev and Integration of sensing system	Mar. 2012	Progressing

Chapter – IV

REVIEW OF PAST PERFORMANCE (2011-12 Upto 31.12.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
						Procurement laboratory equipment as per need of the sub-projects	Establishment of R&D Infrastructure at C-DAC, Kolkata	Mar.2012	Progressing
						Conduct Training Program	Upgradation of knowledge and skill to run the eAgriEn Program successfully.	Mar. 2012	Progressing
		<p>Emerging Areas in IT -</p> <p>To build and enhance competencies in Emerging Areas of Information Technology Including infrastructure creation and capacity Building in the country</p>				<p>Emerging Areas</p> <p>Ongoing projects of Scientific Computing, Ubiquitous Computing and Perception Engineering will be progressed and new projects will be initiated in other Emerging areas of IT.</p>	<p>Proliferation and absorption of emerging technologies in the country would be facilitated in the area of IT applications</p>	March 2012	Ongoing Research project progressed.

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
		<p>Free & Open Source Software (FOSS) Initiative</p> <p>Development and proliferation of Free/Open Source Software (FOSS) in India for bridging the digital divide and helping in creation of a knowledge society.</p>				<p>1. R&D activities will be carried out to meet the targets and objectives of NRCFOSS Phase II project.</p>	<p>1. Proliferation and adoption of FOSS in the country will be facilitated.</p>	<p>March 2012</p>	<p>EduBOSS 2.0 developed for school education.</p> <p>BOSS desktop version4.0 released</p> <p>Voice enabled applications developed using open source Android platform.</p> <p>Software as a Service (SaaS) architecture developed as part of Cloud Computing services using FOSS.</p>
						<p>2. Project “Trainers Training & Student Talent Transformation for CBSE” will be progressed</p>	<p>2.Preliminary educational content will be developed</p>	<p>March 2012</p>	<p>Content development in progress</p>

Chapter – IV

REVIEW OF PAST PERFORMANCE (2011-12 Upto 31.12.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
						New R&D projects to be initiated in FOSS			Project Bharti Sim: An Advanced Micro-architectural Simulator being initiated.
		<p>Bioinformatics Initiative</p> <p>To strengthen Bioinformatics base in the country through setting up Centres of Excellence, technology development & capacity building through sponsored R & D projects in the area of Bioinformatics.</p>				2 New multi –institutional projects to be initiated in areas of application of neural networks/ SVM to system biology for identification of Genetic Risk factors and Prognostic Markers for Diabetic Retinopathy for developing novel intervention strategies and Development of a 3D structure database for identifying drug gable targets for malaria.	July 2011	Approval obtained from Working Group for 1 project proposal.	

Chapter – IV

REVIEW OF PAST PERFORMANCE (2011-12 Upto 31.12.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
						Four/ Five new large/medium/small projects to be initiated in areas such as creation of database of molecular alterations associated with various diseases like brain tumor , identify potential drug target for diseases such as chlamydia trachomatis etc		October 2011	Working Group recommendation taken and new research projects have been initiated
						Ongoing projects will be continued towards their completion.		March 2012	In progress
		M-Commerce Initiative				Ongoing projects on Digital Preservation would be progressed.		March 2012	A project on Centre of excellence for Digital Preservation Initiated.
						Ongoing projects on ICT for low carbon emissions would be progressed.		March 2012	Progressing
						Ongoing projects on mobile commerce would be progressed.		March 2012	Progressing
		IPR Promotion Programme				Profile of IPR filed and Granted	95 IPRs to be filed	March 2012	191 cases filed

Chapter – IV

REVIEW OF PAST PERFORMANCE (2011-12 Upto 31.12.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
						SIP-EIT Scheme to provide support to SMEs for filing International Patent	15 Cases to be Processed.	March 2012	10 cases processed
						Conduct of Workshops/ Seminars for IPR awareness	20 IPR clinics/ Seminars	March 2012	08 Seminars held
						New projects to be initiated.		March 2012	02 new projects are being formulated.
		Innovation Promotion Ongoing projects in the area of RFID will be progressed.						March 2012	

Chapter – IV

REVIEW OF PAST PERFORMANCE (2011-12 Upto 31.12.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
		Technology Innovation Technology Incubation and Development of Entrepreneurs (TIDE) scheme and Multiplier Grant scheme (MGS) will be progressed.						March 2012	The 17 institutions are being supported under scheme. The scheme have been reviewed and extension of the scheme has been recommended till March 2014 and process for approval has been initiated. Approval for 10 new centres to be supported is under process.
									The scheme was reviewed and extended till March 2013. New proposals as received under the MGS are being evaluated.

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
		<p>IT Research Academy (ITRA)</p> <p>To build a National Resource for advancing the quality and quantity of R&D in IT and Electronics</p>				<p>Identification and initiation of two Participating Institutions.</p> <p>Identification and initiation of four Research Groups</p>	<p>Enhancement of Quality of Research and Education in the country.</p> <p>Generate a pool of Doctorates in IT and Electronics for R&D and academic purposes.</p>	<p>March 2012</p> <p>March 2012</p>	
3.	Convergence, Communication Broadband and Strategic Electronics	To undertake and support R&D projects for the development of Convergence, Communications and Broadband technologies	-	25.00 Includes ₹ 2.00 crore for NER	-	<p>Initiation of 10-15 projects in development/application of the Next Generation Communication, SDR & Cognitive Radio, TETRA, Mobile Ad-hoc networks, Wireless Sensor Networks Systems, Cyber Physical systems, Broadband Technologies, IP based technologies, Green and digital broadcast technologies. ICT for strategic & surveillance applications. Studies in cutting edge technologies and development of road map for the country.</p> <p>Monitoring of about 25 ongoing projects by the respective Project Review and Steering Groups.</p>	The R&D will lead to establishing indigenous capability in emerging technologies.	On an average 4 projects in quarter are proposed to be initiated. The projects are generally of 1-3 years duration.	Three new project proposals implemented in the area of Convergence Communications and Broadband technologies: SDR Waveform, Adaptive Antenna design & QoS in rural Wi-Fi. Seven new projects are at various stages of

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
									approval. Apart from above, there are 35 ongoing projects that are under implementation and are being monitored by respective PRSGs.
4.	Components & Material Development Programme	To support Infrastructure development and R & D projects for the development of Electronic Materials	0.60	25.00 Includes ₹ 1.00 crore for NER	13.18	• Development of lead free x-ray absorbing coating materials for TVs	•To develop lead free material for X-ray absorption	April 2011	Completed
						• Preparation of Carbon Aerogel and Development of Aerocapacitor for Electronic Applications	• To develop the aerogel capacitor	May, 2013	Ongoing
						• Design & Development of Piezoelectric Multilayer Actuator for MEMS based Micro valve	• To develop Piezoelectric Multilayer Actuator for MEMS based Micro valve	May, 2013	Ongoing
						• Synthesis and Development of Broadband EMI shielding materials using Magneto-dielectric Nanoparticles	• To develop Broadband EMI shielding materials using Magneto-dielectric Nanoparticles	May, 2013	Ongoing

Chapter – IV

REVIEW OF PAST PERFORMANCE (2011-12 Upto 31.12.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
						<ul style="list-style-type: none"> Hybrid solar cells based on organic polymers and Inorganic Nano particles” at C-MET, Pune along with Moser Baer, UP. 	•To develop alternative source of energy	May, 2012	Ongoing
						<ul style="list-style-type: none"> To initiate new projects on Electronics materials and components 		April,2011	Project on organic film Transistors was initiated at NCL, Pune.
		To support development and initiatives to eradicate the issues related to electronics products affecting the environment				<ul style="list-style-type: none"> Establishment of testing facilities for the hazardous substances as per European Union (EU) Directive of Restricting the use of hazardous substances (RoHS) 	•To establish a centre for testing of hazardous substances and RoHS certification	October 2011	Completed
						<ul style="list-style-type: none"> Environmentally sound methods for recovery of metals from Printed Circuit Boards” at C-MET, Hyderabad 	•To explore the environmental friendly recycling technology for Printed circuit boards	May, 2012	Ongoing

Chapter – IV

REVIEW OF PAST PERFORMANCE (2011-12 Upto 31.12.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
						<ul style="list-style-type: none"> To initiate new projects on Electronics waste recycling and green electronics 		May, 2011	One project on prototype development of lead free x-ray absorbing materials aprons, glass sheets and curtains was initiated at CMET, Pune.
		To nurture photonic technologies relevant in IT and optical communication as well as develop technologies in the broader application				Biomedical and Material Analyses utilizing The built FCS Systems Addition of TCSPC (Time Correlated Single Photon Counting)	Multi-institutional Work biophotonics for Health care	July 2011 Dec 2011	Third workshop held at New Delhi on 14-18 November 2011 TCSPC addition completed.

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
		areas of Photonics through sponsored R & D projects.				Demonstrate high power fiber lasing action of the special fibers	Developing technology for High Power Fiber laser by nanoparticles	Sept 2011	Ongoing
						Fabrication and characterization of Interleaver for WDM based on SOI wave guides,	Dev of Silica on Silicon Technology for Opto electronic devices	May 2011	Completed
						Channel waveguide fabrication and characterization.	Dev of Wave-guides using rare earth doped glass systems	May 2011	Completed
						Synthesing and Thermal deposition of Anthracene based derivatives for Blue OLED material	Evolution of Green Photonics technology	Aug 2011	New projects initiated in Solid State Lighting
						Initiate new projects in solid state lighting		June 2011	1. Ultra- violet Light emitting Diodes grown by Molecular Beam Epitaxy for Solid State Lighting”, University of Calcutta, Kolkata. 2. Inno- vative Light Extraction Technology for White OLEDs, by IIT (D) and IIT (R).

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
						Expanding of list of mentors and Institutions Selection of second batch and airing of student with the mentor	Developing of a resource base of personnel trained to carry out advanced research in Photonics	April 2011 July 2011	Second batch section done. First National Photonics Meet held on 6 Dec 2011 at IIT (D).

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
		To support R & D projects for the development of Electronic Materials				<p>Integrated Electronics Packaging</p> <ul style="list-style-type: none"> • Development of basic ferrite materials for integrated applications in LTCC • Development of direct-writing capability on LTCC and required conductor materials • Development of basic dielectric materials for low-k applications in LTCC • Continuation of fin-pitch lithography for fine bumping 	<ul style="list-style-type: none"> • Process for Integrated Glass-Ceramic Packaging 	March, 2012	<ul style="list-style-type: none"> • Prepared ferrite samples of different stoichiometry by chemical route • Dispensing trials with different batches of silver pastes were continued. • Developed Micro-cryocoolers in LTCC. • Established pilot plant production of ultra low loss microwave substrates having 19 cm (L) x 13 cm (B) x 0.16 cm (T) size for high power solid state amplifier design

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
						<p>Nanomaterials and devices</p> <ul style="list-style-type: none"> • Preparation of quantum dots of QDs of Cu₂Se and Ag₂Se in various matrices including polymers <p>• End user trials for nano-size metal/ metal oxides particles</p>	<ul style="list-style-type: none"> • Generation of Nano-powders, Nanocomposite & Quantum dots of metals/ semiconductors/ for Electronics Technology and allied applications 	March, 2012	<ul style="list-style-type: none"> • Optimized Q-CdS glass – nano-composites (cutoff range of 475-515 nm) with transmittance greater than 80% for automobile application. • Nano Al Powders synthesized by TAPR under different synthesis conditions were given to HEMRL for trials.

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
						<ul style="list-style-type: none"> n-type and p-type transparent conducting oxide thin films. 			<ul style="list-style-type: none"> Fabricated a transparent p-n hetero junction diode using n-type aluminum doped zinc oxide thin films and p-type copper aluminum oxide films on glass substrate. Initial results indicated rectifying I-V characteristics.
						<ul style="list-style-type: none"> NTC Thermal Sensors of required specifications. 			<p>The NTC thick film compositions were fine tuned to get the resistance within the tolerance limit.</p>

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
						<p>Ultra high purity materials</p> <ul style="list-style-type: none"> • Wide band gap (WBG) SiC single crystals. • High purity Ga and its alloys / crystalline compounds. 	<ul style="list-style-type: none"> • Process technology /Pilot plant scale production of ultrapure metals 	March, 2012	<p>Computer controlled melting and freezing facility (500 gm sample handling capacity) developed and used for purification/ crystallization experiments.</p> <p>6H & 4H SiC seed crystals are analyzed for their bandgaps and FWHM values.</p>

Chapter – IV

REVIEW OF PAST PERFORMANCE (2011-12 Upto 31.12.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
						<ul style="list-style-type: none"> Upscaling the solidification system, batch process and purity / yield improvement. 			Homogeni- sation experi- ments on 5N pure gallium were completed.
						<p>Materials for Renewable Energy</p> <ul style="list-style-type: none"> Nanocomposites for solar cells 	<ul style="list-style-type: none"> Process for renewable energy material. 	March, 2012	<ul style="list-style-type: none"> Prepared CdS quantum dots with capping agent to improve the dispersion of inorganic particles into polymer and consequent efficiency of Hybrid Solar Cells. Prepared Q-CdS/CdSSe-glass nanocomposit es as a photocatalyst for hydrogen generation
						<ul style="list-style-type: none"> Nanostructured materials as a Photocatalyst for hydrogen generation 			

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
						<ul style="list-style-type: none"> • Fabrication of supercapacitors using carbon aerogels. 			<p>The experimental trials for water splitting are in progress.</p> <ul style="list-style-type: none"> • The N-doped anatase TiO₂ (band gap 2.8eV) was synthesized using sol gel technique. • Developed Carbon aerogel supercapacitor (up to 2.5 F) using carbon aerogel tapes and
									studied their capaci-tance, charge-discharge, leakage current, etc.

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
						<p>Piezo sensors and Actuators</p> <ul style="list-style-type: none"> • Fine tunings of bender actuators. <ul style="list-style-type: none"> • Development of low temperature piezo composition • Process for piezoelectric thin films of required specifications • Thin films characterization 	<ul style="list-style-type: none"> • Process/technology for sensors and actuators. 	March, 2012	<ul style="list-style-type: none"> • {001}, {111} and {110}-preferentially oriented PZT thin films of 2.0 μm thickness successfully fabricated on Silicon substrates. • Established correlation between thin film texture and transverse piezoelectric coefficient, for thin film microactuators

Chapter – IV

REVIEW OF PAST PERFORMANCE (2011-12 Upto 31.12.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
									Ring type ML actuator stacks of height 5 mm and 16 mm fabricated & samples sent for testing at LEOS, ISRO.
5.	Electronics in Health & Tele-medicine	To promote development of medical electronic equipment, rehabilitation devices and Telemedicine Systems.	-	11.50 Includes ₹ 1.00 crore for NER	-	Establishment of batch fabrication facility for Linac machines		Dec. 2011	The setting up of batch production facility is nearing completion. To complete the bench marking of the facility, Project Review & Steering Group (PRSG) has recommended extension of the project upto March 2012.
						TOT of indigenously developed medical electronics products.		Sept. 2011	TOT of 6MV Medical LINAC - The PRSG also had discussions

Chapter – IV

REVIEW OF PAST PERFORMANCE (2011-12 Upto 31.12.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
								with the three industrial partners short-listed by SAMEER and recommended for the next stage of evaluation.	
						Deployment of linac machines for cancer treatment.	Dec. 2011	The Siddharth 3 and Siddharth 4, meant for hospitals at Amaravati and Indore, are in the final integration stage. Siddharth 5 and Siddharth 6 are also getting integrated and tested at SAMEER, Navi Mumbai. Site preparation at Amaravati, Indore and Madurai hospitals are in progress. The fourth machine - Siddharth 6, will be commissioned at	

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
								ACTREC, Navi Mumbai. PRSG has recommended extension of the project upto December 2012.	
						Initiation of new R&D projects in the area of Medical electronics & Telemedicine.	March 2012	Out of the 37 project proposals received upto Sept 2010, The Sub-Group has shortlisted 10 proposals for final consideration of the Working Group in its meeting scheduled to be held during Feb. 2012.	
6.	Technology Development for Indian Languages	The major objectives of the programme are: To develop information processing tools to facilitate human machine interaction in	-	35.00 Includes ₹ 3.00 crore for NER	-	<u>New Projects</u> Machine Translation system , Cross-lingual Information Access System , OCR and OHWR with increased accuracy and performance towards product development	Consortium Mode Projects –Phase –II in the areas of Machine Translation, Cross-lingual Information Access, Optical Character Recognition and	Mar 2012	Phase-II of the consortium mode projects in the areas of Machine Translation, Cross-lingual Information Access, OCR

Chapter – IV

REVIEW OF PAST PERFORMANCE (2011-12 Upto 31.12.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
		Indian languages and to create and access to multilingual knowledge resources/ content. (2) To promote collaborative development of futuristic technologies leading to innovative products and services.					OHWR		and OHWR are being implemented.
						Development of English – Hindi Machine Translation System using Anusaraka approach	Project for implementation English – Hindi Machine Translation System using Anusaraka approach	Dec 2011	Project being reformu-lated
						Phonetic engine and Phonetic Search systems in six Indian Languages	Consortium Mode project for Development of Phonetic search in Indian languages	Dec 2011	Project initiated

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
						Development of Pronunciation Lexicon (PLS) in Indian languages as per W3C PLS Standards Example Lexicon for Hindi and Bengali with 3.0 L words	Project for implementation of Pronunciation Lexicon in Indian languages and Hindi and Bengali as example lexicons	Jan 2012	Draft Standard for PLS developed. Integrated Development Environment (IDE) developed. Data collection in progress.
						Dravidian Wordnet for 4 South Indian languages Tamil, Telugu, Kananda and Malayalam	Project for implementation of Dravidian Wordnet for 4 South Indian languages Tamil, Telugu, Kananda and Malayalam	Sep 2011	Project initiated
						Research & Development for, promotion and proliferation of Localization in official languages, Dev. Of localization tools showcasing Laboratory etc.	Establishment of National Localization Research and Resource Centre (NLRRC)	Dec 2011	Project being reformulated.

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
						On-Going Projects Stake holders consultation and Validation of the following : Consolidation of inputs for internalization in W3C standards namely CSS, PLS, Xforms, XHTML and E-Gov activity.	Web Internationalization , Standardization and W3C India Initiative	March 2012	(1) Best Practices and Guidelines for Internationalization of E-Governance applications released. (2)Community group in Mobile Technology formed. (3) Draft report for Indian Languages requirements on CSS standard developed. Stake Holders consultation in progress.
						Uploading of Language Technology Software Tools & resources	Indian Language Technology Proliferation and Deployment Centre	Dec 2011	Indian Language Technology Proliferation & Deploy-

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
						Support for CD user base Percolation of CDs to new spheres. Reviewing of CD Contents & also upgrades of open source regions. Development of Indian Languages fonts for Mobile handsets	National Roll-Out Plan Phase-II	Feb 2012	ment Centre established and continuously being updated. Data Centre Project initiated.
						Development of 15,000 Synsets in 4 North Eastern Languages <ul style="list-style-type: none"> • POS Tagset standard • Annotated text corpora of 2 lakh words in 11 Indian Languages 	Development of Word-net for Languages of the North East Indian language Corpora Initiative	Feb 2012 Jan 2012	15000 Synset have been developed. Draft POS Tag Standard developed. Annotated Corpora 3 Lakh words being developed for 11 Languages.
						Alpha version of Text-to-speech systems for 5 IIs (Hindi, Marathi, Tamil, Telugu, Malayalam)	Development of Text-to-Speech in Indian languages	Sep 2011	Text to Speech system integrated with screen readers for six Indian Languages Hindi, Bengali Marathi, Tamil Telugu, Malayalam released.

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
						Alpha version of Speech Recognition Systems in 5 Indian Languages for Agricultural domain	Development of Automatic Speech Recognition for Indian Languages	Jan 2012	Pre-alpha version of Speech Recognition Systems in 5 Indian Languages for Agricultural domain developed.
						100 hours of Bodo speech Corpora and IPA representation of Bodo language would be developed.	Development of Bodo Speech Corpora and its IPA representation	June. 2011	100 hours of Bodo speech Corpora developed
						Draft Script Grammar for major Indian languages A generic software develop environment independent of application/platform to support development of versions NLP applications.	Development of Fonts, Keyboard, Script , Grammar for major Indo-Aryan Languages	Dec 2011	Script Grammar of IL being developed.
						Pre- alpha version of NLP Dashboard	Dashboard Development Environment for NLP Applications	Dec 2011	Modules of the system developed; system being integrated.

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
						Alpha version of Sanskrit –Hindi MT System	Development of Sanskrit Computational Tool Kit and Sanskrit-Hindi Machine Translation system	Dec 2011	Pre-alpha version of Sanskrit –Hindi MT system developed. Testing of the system is underway.
						Draft CLDR , Fonts, Keyboard layout & drivers for Assamese, Bodo, Manipuri and Nepali	Development of major North-Eastern Languages (NE Consortium)	Dec 2011	CLDR for Bodo , Manipuri and Assamese uploaded to Unicode 2.0.
7.	IT for Masses (Gender, SC/ST)	Upliftment of Women and Development of SC/ST using IT.	-	16.94 Includes ₹ 2.00 crore for NER, ₹ 5.58 crore for SCSP & ₹ 7.37 crore for TSP.	-	To conceive and formulate projects for development of Women and SC/ST.	Capacity building of Women and SC/ST through Infrastructure development, Training, & Entrepreneurial creation of target groups in different States/ UTs.	March, 2012	6 new projects initiated. • Empowerment of Women using ICT Tools in Haryana. • IT training programmes for women empowerment in 7 States- Uttar Pradesh, Madhya Pradesh, Jharkhand, Orissa, Chattisgarh, Rajasthan and

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
									<p>Bihar.</p> <ul style="list-style-type: none"> • High skill training in IT for Scheduled Caste (SC) candidates to enhance their skills and empower them to participate in IT development community in Andhra Pradesh. • High skill training in IT for Scheduled Tribes (ST) candidates to enhance their skills and empower them to participate in IT development community in Andhra Pradesh. • Empowering Scheduled Caste candidates using ICT tools

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
									in Goa. • Empowering Scheduled Tribes candidates using ICT tools in Goa.
8.	Media Lab Asia	To undertake and facilitate Research, Development and deployment activities.	-	11.30 Includes ₹ 3.00 crore for NER	20.00	• 5 projects will be introduced in the following areas: ICT – Education ICT – Empowerment of Disabled ICT – Livelihoods ICT – Healthcare	Development and Deployment of ICT based models in thrust areas of Media Lab Asia viz. Livelihood Generation, Empowerment of the Disabled, Healthcare and education.	2 projects will be introduced during Apr – Sept 2011 3 projects will be introduced during Oct 2011 – mar 2012. The projects will be completed as per schedule.	Project Initiated- • Installa-tion of 40 DRS (Direct Reception System) centers in NE region of the country for reception of EDUSAT based channel ‘Navshikhar’ in disability field. • Deployment of ICT based integrated assessment tool for children with mental retardation “Punarj-jani” undertaken in 100 schools in the country. • Chic (CAD tool for embroidery) deployed in Shahpur Jat, Delhi

Chapter – IV

REVIEW OF PAST PERFORMANCE (2011-12 Upto 31.12.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
								,Kampilya, Farrukhabad & Meerut in UP with creation of 300+ designs by giving training to 30+ artisans. • Ganitmitra (Math Prep Guide) , Balshiksha (Preprimary teacher’s kit) & e-vigyanshala (Life Science Experiments) deployed in some schools in NCR • Shikshan (Intelligent Tutoring System)- Installed at one university in NCR. • eGalla deployed at five rice mills in Kurukshetra and one MSME training center at Meerut.	
						<ul style="list-style-type: none"> 5 projects will be completed 		Project Completed- • Develop-ment and Pilot Implementation	

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
									of resource Healthcare Delivery System through telemedicine using ICT. <ul style="list-style-type: none"> • Development and Pilot Implementation of resource shared rural health management and information infrastructure using ICT. • Development of embedded version of Sanyog (Iconic communication tool for persons affected with cerebral palsy & speech impairment)
9.	STQC	Establishment of Quality Assurance Infrastructure in the country to facilitate quality products & services at par with global standards and	7.00	120.00 Includes ₹ 14.00 crore for NER	-	1. Up gradation of Test & Calibration facilities to cater to state-of-the-art products with emerging technologies	Allocated budget will be spent for up gradation of test and calibration facility to meet the demand of the industry.	March, 2012	Test & Calibration facilities to be established / list of equipment finalized for procure-ment is under process.

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
		practices				2. Revenue target realization.	Revenue of ₹ 45 crores approx. likely to be generated.	March, 2012	₹ 36.02 crore is expected.
						3. Upgrade s/w test facilities for e-Governance application	S/w Test Tools for “Mission critical Project” like defense/space will be procured.	March, 2012	Procurement action for software tools is in advanced stage.
						4. To up-grade Biometric device Certification Scheme	Bio-metric devices to be certified.	March, 2012	Biometric device Test lab is established. Certification Scheme is in operation.
						5. e-Security Standards /guidelines for e-Governance	Two E safe documents / Standards to be released	Dec., 2011	Preparation is in progress.
						6. Upgrade testing and Auditing facilities for security of Network, systems, applications and websites	Tools and skills to be upgraded for better services	March, 2012	Tools upgraded for security at all the IT Centres.

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
						7. Common Criteria scheme and testing facilities operationalized to take up new IT products	CC test and scheme infrastructure established for Indian industry	March, 2012	Certification Scheme for ISO/IEC 15408 based on CC standards operationalized.
						8. Progress of construction activity of STQC Building at Noida.	Construction activity of first phase to be completed.	Dec., 2011	No progress. since August, 2009. Issues to be resolved.
						9. Launch of Intermediary scheme for empanelment of external training provider organisations	Intermediary scheme launched. External organisations started offering STQC training programs to industry.	March, 2012	Intermediary scheme launched.
						10 .Human Resource Development by conducting DOEACC 'O' & 'A' level courses in NE region.	SC/ST/OBC/women / weaker section of society and unemployed youth of NE region will be benefited in Computer field.	March, 2012	In progress.

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
10.	Electronic Governance (e-Governance)	The National e-Governance Plan (NeGP) is an ambitious initiative to provide both horizontal and vertical connectivity to transform the socio-economic landscape of rural India and simultaneously bring significant improvement in the delivery of public services by enhancing efficiency, transparency and reliability in government services.	-	1087.31 Includes ₹ 108.00 crore for NER, ₹ 21.75 crore for SCSP and ₹ 92.42 crore for TSP.	-	<p><u>Establishment of SWAN</u></p> <p>To provide 2 Mbps data connectivity up to Block level in all States /UTs in phases. As Part of the ongoing Scheme both leased line and wireless based network would be created across the country.</p> <p>The SWAN in 23 States/UTs have been made operational. These States/UTs are Himachal Pradesh, Haryana, Punjab, Tamil Nadu, Gujarat, Karnataka, Kerala, Jharkhand, Chandigarh, Delhi, Puducherry, Tripura, Lakshadweep, West Bengal, Sikkim, Chhattisgarh, Uttar Pradesh, Orissa, Maharashtra, Assam, Madhya Pradesh, Bihar and Uttarakhand.</p> <p>Implementation of remaining States/UTs SWANs are at various stages of Implementation.</p> <p>Goa and Andaman & Nicobar have opted out from the SWAN Scheme as these States/UTs have the Local Network in place.</p>	Implementation of remaining States/ UTs SWANs.	In general, it is envisaged that it would take nearly 180 days for completing full process of selection of Network Operator for the SWAN. Implementation of network by the designated Network Operator take anywhere between 36 weeks to 52 weeks. After commissioning of the network, the Scheme envisages operation of the network for five year. All SWANs by August, 2011.	<ul style="list-style-type: none"> • SWANs have been implemented in Twenty Seven (27) States. • Implementation is in an advanced stage in Two (2) States. <p>State wide Area Network (SWAN) is proposed to be connected and integrated with National Knowledge Network (NKN) in 04 Pilot states (Andhra Pradesh, Gujarat, Tamilnadu and Karnataka). SWAN in the state of Gujarat, Tamilnadu and Karnataka has already been integrated with NKN. SWAN Integration with NKN in the state of Andhra Pradesh is currently under STQC testing and is proposed to be integrated.</p>

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
		Some of the key challenges in implementation of such a complex programme include low levels of ICT literacy in rural India and therefore the importance of assisted access becomes even more relevant. In light of this, besides on-going programmes the declaration by the Hon'ble President to extend the existing CSC Scheme to cover all Panchayats				<p><u>State Data Centres</u></p> <p>State Data Centre has been identified as one of the important element of the core infrastructure for supporting e-Governance initiatives of NeGP.</p> <p>The Scheme has been approved by the Government at a total outlay of Rs1623.20 crores over a period of 5 years. It is proposed to set up Data Centers across 35 different States/UTs in the country during the 11th Plan.</p> <p>Three State Data Centres have been set up and operationalised till December 2010.</p>	Secure and reliable data Repository sharable across various applications.	It is expected that around 11 SDCs shall be made operational by March, 2011.	<ul style="list-style-type: none"> • 16 SDCs have been declared operational. • SDC Implementation is in advanced stage in 1 State • SDC implementation has been initiated in 2 States • Bid process has been completed, but the site is yet to be handed over to the DCO in 2 States • Bid process is in advanced stages in 5 States • Bid process has been initiated in 1 State • RFP is under revision / yet to be published by 4 States • DPRs are yet to be received for 3 States • 1 State have opted out of the SDC scheme

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
		by setting up additional 150,000 CSC will have far reaching consequences because it mark a paradigm shift in accessibility to public services.				<p><u>Common Service Centres (CSCs)</u></p> <p>The Government had earlier approved a Scheme for establishing 100,000+ CSCs, primarily in rural areas of the country. These Centres are envisaged to be broadband Internet enabled are presently providing various available government and private services at the doorstep of the citizen. The Scheme is to be implemented in Public Private Partnership. The Scheme had been approved at a total cost of Rs 5742 crore with Government of India contribution ₹ 856 crore and State Governments contribution being Rs 793 crore. The balance funds is being invested by the private sector who is a key stakeholder in the CSC eco-system known as Service Centre Agencies (SCAs). As on 31.12.2010, 87,594 CSCs have been rolled out.</p>	Complete the process of establishment of 100,000+ CSCs in the rural areas of the country by April - June 2011	June 2011	As on 31.12.2011, 97,871 CSCs have been established.
						<p><u>Bharat Nirman Common Service Centers (BN CSCs)</u></p> <p>Government of India has now proposed to upscale existing scheme of 1,00,000 CSCs to 2,50,000 lakh (2.5 lakh) CSCs so as to have one</p>	Sanction the CSCs proposals for all the States / UTs in the country.	April 2011- March 2012.	GOM report awaited

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
						Bharat Nirman CSC at each panchayat. The proposal to setup additional 1,50,000 Bharat Nirman CSCs is under discussion as EFC Note and DPR have been prepared and circulated to the key Ministries / Departments / Offices for detailed deliberations on this subject. It is expected that the Cabinet approval for the Bharat Nirman CSCs would be obtained by end of March 2011.	Complete the rollout of 60,000 additional CSCs		
						<p>Facilitating Services through CSC by enabling Implementation of State Portal, SSDG, eForm Application and Gap Infrastructure</p> <p>The scheme of ensuring delivery of services through CSC by enabling the State Portal (SP), State Service Delivery Gateway (SSDG), Electronic form Application implementation and gap infrastructure under NeGP has been approved with a total outlay of ₹ 400 crore. It is envisaged that SP along with SSDG will be developed and implemented so that citizens are provided with outlets where they can access the services under a single interface mechanism in the form of</p>	<ul style="list-style-type: none"> This will enable citizens to download forms and submit their applications electronically with help of Electronic Forms hosted on the State Portal (SP) and routed through a common State Services Delivery Gateway 	<p>April 2011-March 2012</p> <ul style="list-style-type: none"> Selection of Implementing Agencies by States Completion of project implementation in 	<ul style="list-style-type: none"> Proposals approved for 31 States/UTs. 27 States/UTs have floated the RFP for the selection of the Implementing Agency for the project. Out of these 27 RFPs, 2 States (Goa & Tamil Nadu) have

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
						<p>the Portal.</p> <ul style="list-style-type: none"> • Out of the approved 30 States/UTs proposals, around 17 States/UTs have floated the RFP for the selection of the Implementing Agency for the project. • Out of these 17 RFPs, 10 States/UTs have completed the bid process and are in the process of issuing the LoI to the selected Agency. • 5 States/UTs (Tamil Nadu, Goa, Himachal Pradesh, J& K and UP) have already started the project implementation and the remaining would shortly start implementation. • Empanelment of additional two Implementing agencies for the project is in progress. 	<p>(SSDG).</p> <ul style="list-style-type: none"> • Assured electronic delivery of the request from the citizen to the specified field office of the government department • The electronic acknowledgement of successful submission of application/request from department to the citizen and query the status of his/her application/request at any point in time. • A single gateway for information and citizen services for integrated service delivery. • Online public services to the citizen via State 	<p>at least 10 States/UTs</p> <ul style="list-style-type: none"> • User Acceptance Text (UAT) by STQC for 10 States 	<p>Gone-live and another 8 States/UTs have completed implementation and are in the process of deployment for Go-live.</p> <ul style="list-style-type: none"> • 11 States/UTs are in project implementation stage. • 5 States/UTs have completed the bid process and are in the process of issuing the LoI to the selected Agency.

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
							Portals <ul style="list-style-type: none"> • A front end application mechanism through e-Forms • All public service forms in an 'e' repository 		
						<u>e-District</u> e-District as a concept proposes integrated and seamless delivery of citizen services by district administration through automation of workflow, backend digitization, integration and process redesign across participating departments for providing services to the citizens	1. Implementation of e-District pilot in 16 States (41 Districts) already sanctioned. 2. Obtain approvals for the e-District Mission Mode Project Scheme	April, 2011 Jan.- February 2011	<u>National Rollout</u> e-District Pilot implementation has gone live in 12 States and is in advanced stage of implementation in 4 States. <ul style="list-style-type: none"> • The Guidelines for National Rollout of e-District have been prepared and circulated to the States • The Consultancy Agency for the

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
									<p>National Program Management unit is operational with manpower placed both at the Centre and in the State HQs.</p> <ul style="list-style-type: none"> • Detailed project reports (DPRs) of 10 States have been appraised and submitted for approval to the Empowered Committee. • The Empowered Committee has approved the release of 2nd installment to the States that have submitted DPRs.

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
						<p><u>e-Bharat:</u></p> <p>The Department of Information Technology has been carrying out dialogue with World Bank for possible programmatic support for NeGP under the Bank's Development Policy Lending arrangement. The details are:-</p> <p>i. Development Policy Lending is rapidly-disbursing policy-based financing, which the Bank provides in the form of loans or grants to help a borrower address actual or anticipated development financing requirements. This lending aims to help a borrower achieve sustainable reductions in poverty through a program of policy and institutional actions that promote growth and enhance the well-being and increase the incomes of poor people.</p>	<p>i. Increased program efficiency and reliability of Citizen Services through greater coordination.</p> <p>ii. Improved Citizens' Engagement.</p> <p>iii. Expanded access to e-Services.</p> <p>iv. Mainstreaming horizontal integration in NeGP.</p>	<p>Following agreement between DEA/DIT and the World Bank to take forward this project initiative, intensive deliberations between DIT and World Bank are currently underway as part of preparatory activities</p>	<p>DIT has addressed a formal communication to Chief Secretaries of all States/UTs inviting them to submit suitable project proposals for consideration for funding under this initiative. Due consultations/c larifications to States/UTs are being provided as sought to help the associated departments in formulation of their proposals.</p> <p>Action is also under way for establishment</p>

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
						<p>ii. Bank's decision to extend Development Policy Lending is based on an assessment of the country's policy and institutional framework—including the country's economic situation, governance, environmental/natural resource management, and poverty and social aspects.</p> <p>iii. The Bank determines which of the agreed policy and institutional actions by the country are critical for the implementation and expected results of the program supported by the development policy loan.</p>		for this project including identification of policy actions in the area of e-Governance for the purpose of this lending. On satisfactory completion of Bank's appraisal in terms of undertaking the policy actions as agreed, the loan funding will be approved and disbursed by the Bank.	of a dedicated National level Program Management Unit for an effective and efficient implementation of this project.

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
								Keeping in view the present status of the project being preliminary in nature, while it is difficult to arrive at a precise time frame, DIT has been emphasizing completion of project preparatory activities and its formal approval by both GoI and the Bank during 2011–2012.	

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
						<p><u>Capacity Building Scheme</u></p> <p>The scheme is mainly for providing technical & professional support to State level policy & decision-making bodies and to develop specialized skills for e-governance at a total outlay of ₹ 313 crore for all the States/UTs.</p> <p>Institutional Capacity Building for all the State/UTs.</p> <ol style="list-style-type: none"> 1. Recruitment of SeMT for all States/UTs 2. Orientation of Political and Policy level personnel's (Leadership Meet) 3. Specialized training to project level officials of all States/UTs 	<p>Setting up of SeMT in States/UTs</p> <p>Create awareness about e-Governance at policy and political level</p> <p>Training to Sr. officials, policy maker & SeMT</p>	<p>Continuous activity</p> <p>Continuous activity</p> <p>Continuous activity</p>	<ul style="list-style-type: none"> • 185 SeMT personnel have joined various States/UTs. Process of deployment is on. • e-Governance Leadership Meet for 20 States/UTs conducted. 2 states scheduled in Feb.2012 • Under specialized training programme 54 trainings programme (3-5 day modules) were

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
									conducted across 18 States/UTs and 1487 senior and middle level officers were imparted training in different aspects of e-Governance. Two CIO Training Programme of 5 weeks duration were conducted and 46 officers of Central and State Govts., working in key areas of e-Governance, completed the CIO Certification Programme.

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
						<p><u>GIS Application</u></p> <p>It is basically for the development of spatial decision support system. The activities :</p> <ol style="list-style-type: none"> 1. Initiation of New project 2. Completion of some ongoing activities 	Developing spatial decision support system	Continuous activity	
						<p><u>Standards for e-Governance</u></p> <p>Standards for e-Governance are a high priority activity, which will ensure sharing of information and seamless interoperability of data and e-Governance applications under NeGP. The details are:-</p> <ul style="list-style-type: none"> • Development and enhancement of Standards, Guideline, Policy in identified areas • Development of standards in the new areas like Digital Preservation • Publishing of standards on the website 	<ul style="list-style-type: none"> • Ensure Interoperability, integration & seamless data sharing of e-Gov applications • Release of standards/ guidelines in Interoperability framework, Data & Metadata phase II, Security, Enterprise Architecture, Quality & other new areas that emerge 	Continuous activity	<ul style="list-style-type: none"> • IFEG document Phase I and Phase II standards put for public feedback and main framework document being reviewed by closed group. • MDDS ver 1.1 published • XML signatures report of the expert committee put up for public

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
									<ul style="list-style-type: none"> review. • National Institute for standards and Technology for ICT approach paper prepared. • Mechanism for formulation of Domain MDDS document prepared.
						<p><u>National e-Governance Service Delivery Gateway (NSDG)</u></p> <p>NSDG is a middleware infrastructure, would act as standards based routing and a message switch de-linking the back end departments from the Front-end service access providers. This would facilitate standards based interoperability and integration to existing and new e-governance applications. The details are:-</p>			<ul style="list-style-type: none"> • MPTA (Marketing, Promotion, Training and Awareness) team mobilized in by CDAC Mumbai in April'11 • 22 services of year 1 for the eBiz project have

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
						<ul style="list-style-type: none"> • A pilot implementation has been successfully developed and tested. The National Gateway is implemented by CDAC and is Live since Aug'08 • Operations & Maintenance for 5 years • To be plugged into various e-Gov projects like eBiz, Trademarks 	<p>This soft infrastructure which is based on standards will facilitate integration, interoperability & data sharing amongst various eGov applications.</p>	<p>Go-Live done in August, 2008. Launch of integrated NSDG in 2011-12.</p>	<p>been integrated with NSDG and this integration is under final stages of audit by STQC</p> <ul style="list-style-type: none"> • The Trademark application of DIPP has been integrated via NSDG with the MCA for the trademark verification service. • Integra-tion with Passport and CCTNS applications for the Passport Verification service and the Police Verification service respectively is currently

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
									underway. • POC for Integration of NSDG as AUA for the UID application has been completed.
						<p><u>R&D in e-Governance</u></p> <p>To support research and development activities in various areas where R&D will bring direct benefit.</p>	Applied R&D which would enable bringing innovative solutions which are cost-effective for the various e-Governance applications	Continuous activity	<p>The following R&D projects have been completed:-</p> <ol style="list-style-type: none"> 1. Architectural Framework for Development of e-Governance System. 2. Decision Support Automated Refactoring 3. Design and Development of Website using Web 2.0 Tools

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
									for Public Diplomacy Division of M/o External Affairs, Govt. of India.
						<p>Open Technology Centre (OTC)</p> <p>GOI has initiated the setting up of an Open Technology Center through NIC aimed at giving effective direction to the country on Open Technology in the areas of Open Source Solutions, Open Standard, Open Processes, Open Hardware specifications and Open Courseware. The OTC will provide the requisite support to the Standardization activity for e-Governance. The details are:-</p> <ul style="list-style-type: none"> • Creation and Operation of National Repository for OSS • Creation of Knowledge Portal for the Identified OSS • Promotional Activities(Exhibitions, Awareness Programs, 	<ul style="list-style-type: none"> • Synergy in the overall components of Open Technology initiative that are being taken by various communities • Support on Open 	Continuous activity	<ol style="list-style-type: none"> 1. Hand holding Support and training for Agri MMP. 2. Demo on OpenStack Cloud Computing and Virtualization was organised. 3. Migration Services for DAVP & ePanchayat (data from Oracle DB, SQL Server to OSS PostgreSQL). 4. eDistrict MMP- Support and Hand holding to

Chapter – IV

REVIEW OF PAST PERFORMANCE (2011-12 Upto 31.12.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
						Workshops) for Adoption of OSS <ul style="list-style-type: none"> Support Services for OSS 	Technology <ul style="list-style-type: none"> Support to the standardization activity for e-Governance. 		TN 5. .State Support to Drupal CMS/Portal - Support Services, Staging Server, Security Auditing & Hand holding for State Portals (Arunachal Pradesh, Tamilnadu, Tripura, Meghalaya), Public Health Organisa-tion of Odisha, Central Procurement Public Portal (Delhi). 6. <i>Mobile Applications:</i> Secure SMS & WAP Gateway for Parliament team.

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
									<p>7. Training for NIC Project Teams: PostgreSQL (Delhi), Xforms team Karnataka, Apache Wicket for project teams from Delhi and Tamil Nadu.</p> <p>8. Data Migration: for ePanchayat MMP, Tamil Nadu State Election Commission.</p>
						<p>Assessment</p> <p>This programme is basically the Impact Assessment Studies of e-Governance projects and the e-Readiness survey of India.</p> <p>The impact could be in terms of quality of life, inclusion, access to information regarding benefits etc., economic in terms of either income</p>	<ul style="list-style-type: none"> • Impact Assessment of 5 projects including at least 1MMP • Baseline Assessment of 2 projects including at least 1 MMP • Detailed 	2011-2012	<ul style="list-style-type: none"> • Regional workshops on e-Readiness Assessment of India conducted at Mumbai, Bangalore and Kolkata. • Selection of

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
						<p>generation or savings or even empowerment in terms of transparency, Right to information etc. An impact assessment of these e-initiatives will aid in gaining an empirical insight into issues relating to the dynamic and organic nature of governance such as how these projects are perceived and services accessed by the citizen and their effect on him as an individual as also on the politico cultural environment which sustains the project.</p> <p>A comprehensive list of e Government projects will be prepared to gain a bird's eye view of e Government projects in the country.</p>	<p>Assessment of 2 projects in liaison with relevant line-ministry.</p> <ul style="list-style-type: none"> E-Readiness Assessment 2010-11 to be commissioned 		<p>agencies for conducting assessment studies of e-governance projects in progress.</p>
						<p><u>Awareness & Communication</u></p> <p>National Awareness Campaign for NeGP</p> <ul style="list-style-type: none"> To create awareness among citizens about the initiative and its objectives To build distinctive brand of NeGP to be utilized across Departmental communications 	<ul style="list-style-type: none"> Create awareness at the national level through a campaign on various aspects/components of NeGP in India. 	2011-2012	<ul style="list-style-type: none"> NeGP has been declared as umbrella brand for e-Governance activities in the country. Theme Song – NeGP Theme

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
						<ul style="list-style-type: none"> To motivate other external stakeholders Workshops and Seminars at MMPs /State/Divisional level 	<ul style="list-style-type: none"> Collaterals reaching out to people across urban fringe and rural locations. To promote e-governance among top level political and bureaucratic setup, industry, academia and NGOs. Awareness in states especially at grassroots level through outreach programmes. 		<p>Song has been created.</p> <ul style="list-style-type: none"> First burst or Mass media campaign was carried out in June 2011. Exhibition Train – Commonwealth Express having 6 IT coached and 5 Railway Sports Board coaches completed its journey across 24 States and 49 stations. Over 7 Lakh people visited the train. 11 State e-Governance consultation workshops were held. During the month of December 2011, district

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
									level workshops were held in Rajasthan, Manipur and Assam. 44 Central and State Universities to organize e-Governance related seminars supported.
11.	Cyber Security (incl. CERT-In, IT Act)	Security Policy, compliance & assurance	-	45.20 Includes ₹ 3.00 crore for NER	-	Improvement in security posture of organisations and enhancement in the ability of IT systems and networks to resist cyber attacks.	Implementation of Security Best Practices – ISO 27001 in Govt. & critical sector	Ongoing. Status of compliance to be ascertained at periodic intervals.	• Govt. and critical sector organizations are implementing the security best practices in accordance with ISO 27001 standard and as per the advice issued by CERT-In. Services of CERT-In empanelled IT security

Chapter – IV

REVIEW OF PAST PERFORMANCE (2011-12 Upto 31.12.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
								auditors are being used to verify compliance.	
						Implementation of cyber security Crisis Management Plan (CMP) in Central Govt. Ministries/Deptt. as well as States/UT	Ongoing, Periodic cyber security drills to be conducted to verify security posture and compliance . Sectoral Crisis Management Plans to be developed	<ul style="list-style-type: none"> • Third version of Crisis Management Plan for countering cyber terrorism has been circulated. • Central Government Ministries /Departments and States & UTs are preparing their own sectoral CMPs for implementation. • Enabling Workshops for critical sectors, States and UTs were conducted. • Cyber security 	

Chapter – IV

REVIEW OF PAST PERFORMANCE (2011-12 Upto 31.12.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
								drills to assess preparedness of organisations to withstand cyber attacks are planned.	
							Cyber Security conformity Assessment Infrastructure (Product, Process & People)	Ongoing, Empanelment activities to be conducted at periodic intervals.	• 51 auditors were empanelled for audit of IT infrastructure from cyber security point of view. Security audits of Govt and critical sectors are being done by these auditors.
							Establishment of Common Criteria (CC) product testing facility and certification scheme.	Ongoing, Upgradation of facility to level 4 testing to be progressed.	Test / evaluation of IT products like OS is being undertaken to validate the products as well as the

Chapter – IV

REVIEW OF PAST PERFORMANCE (2011-12 Upto 31.12.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
									capability of testing upto EAL 4.
		Security training – basic awareness as well as advanced				<p>Trained manpower to implement techniques to secure IT infrastructure.</p> <p>Trained manpower to collect, analyse and process digital evidence.</p> <p>Pre trained manpower will help in securing cyber space and check cyber crimes.</p>	<p>Specific training facilities, training modules and content development</p> <p>Awareness and training programmes to facilitate information sharing to deal with crisis situations.</p>	<p>Ongoing.</p> <p>Ongoing. Training programmes on specific topics of cyber security to be organised</p>	<p>Conducted 19 training programmes for System/Network Administrators, Programmers, Web application professionals, IT Managers, CISOs/CIOs, and IT/Information Security professionals on (i) Vulnerability Assessment in Enterprise Network and Applications, (ii) Advanced Computer Forensics, (iii)</p>

Chapter – IV

REVIEW OF PAST PERFORMANCE (2011-12 Upto 31.12.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
								Virtualisation Security Challenges, (iv) Information Security Essentials, (v) Advanced Web Application Security, (vi) Data Leakage Prevention, (vii) Network Penetration Testing (NPT), (viii) Advanced Enterprise Security, (ix) Introduction to Web Application Security, (x) VoIP Security, (xi) Web Application Security : Current threats& mitigation, (xii) Phishing Attacks & Mitigation,	

Chapter – IV

REVIEW OF PAST PERFORMANCE (2011-12 Upto 31.12.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
								(xiii) Log Management, Compliance & Auditing, (xiv) Securing Data Centre, (xv) Targeted Attacks & Mitigation, (xvi) Secure Software Development Life Cycle, (xvii) Advanced Internet Investigations & Cyber Forensics, (xviii) Securing Windows and (xix) Secure Cloud Computing.	
		Security R&D for indigenous skills & capabilities				Development /enhancement of skills and expertise in areas of cyber security	Research and development of indigenous cyber security solutions, proof of concepts and prototypes and skilled manpower	Ongoing. Formulation of proposals with special	• Working Group constituted with experts from Academic/ R&D

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
							<p>in areas of cyber security including</p> <ul style="list-style-type: none"> • Crypto Analysis & Research • Authentication • Network & System Security - Mobile • Monitoring & Forensics • Vulnerability <p>through sponsored projects at recognized R&D organisations.</p>	<p>focus on malware research, mobile security, SCADA security, advanced cyber forensics & evaluation of proposals by Working Group</p> <p>Periodic review of individual projects</p>	<p>organisations, Govt and user organisations provided advisory support for implementation of R&D programme.</p> <ul style="list-style-type: none"> • R&D proposals were formulated in the areas of (i) anti-malware solution for web applications and mobiles, (ii) active honeypots for distributed honeynet system, (iii) secure data aggregation system for wireless sensor networks, (iv) multi-media based content

Chapter – IV

REVIEW OF PAST PERFORMANCE (2011-12 Upto 31.12.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
									for cyber security awareness and (v)DDoS attack detection using Ensemble approach. Five projects were initiated. • Twenty five on-going projects were reviewed by the respective Project Review and Steering Committee (PRSG) of the on-going projects and follow up actions have been taken.
		Security incident – early warning and response (CERT-In)				Enhancing the security of communications and information infrastructure in the country	Rapid response, resolution and recovery, Security incident prediction, prevention and protection, Security	Ongoing.	•Upgraded the mail scanning software and operating system of the Intrusion

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
							assurance	<p>prevention system.</p> <ul style="list-style-type: none"> • Web application security equipment has been fine tuned for better response to intrusion attempts. Process has been initiated for (a) deployment of cluster environment in order to achieve failover security and (b) advanced level edge routers to prevent Denial of Service (DOS) attacks. <p>Real time Malware tracking</p> <ul style="list-style-type: none"> • Security Incident Response- 	

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
								<p>and analysis with special focus on virus/bots.</p> <p>Real time response to cyber security incidents</p> <p>Alerts Advisories and vulnerability Notes</p>	<p>Around 5431 security incidents handled.</p> <ul style="list-style-type: none"> • 14603 Indian website defacements tracked. Incident Response and Advice for prevention provided to affected organisations. • 2558 open proxy servers in India were tracked and actions were taken to mitigate the same in coordination with Service Providers.

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
								Cyber Security Mock drills <ul style="list-style-type: none"> • Around 12,798,761 Bot infected systems and 117 Command & Control servers were tracked in India. Remedial actions taken in coordination with Service providers. • 19 Security alert incidents notes issued. • 40 Security Advisories issued. • 126 Security Vulnerability notes issued. • Security Bulletins covering various cyber security issues, 	

Chapter – IV

REVIEW OF PAST PERFORMANCE (2011-12 Upto 31.12.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
									intrusion trends and defence mechanisms are being published every month.
		Cyber laws for supporting E-Commerce and E-Governance activities				A legal framework, which will instill confidence of the users and investors in the area of Information Technology in the country will be in place.	Legal Framework that can effectively support growth of E-Commerce and E-Governance in the country.	Ongoing, Draft of Rules pertaining to additional sections formulated and to be finalized after public consultation	The following rules under sections 6A, 43A and 79 of the Information Technology Act have been framed and notified (i) Information Technology (Electronic Service Delivery) Rules, 2011, (ii) Information Technology (Reasonable security practices and procedures and

Chapter – IV

REVIEW OF PAST PERFORMANCE (2011-12 Upto 31.12.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
								<p>sensitive personal data or information) Rules, 2011, (iii) Information Technology (Intermediaries guidelines) Rules, 2011 and (iv) Information Technology (Guidelines for Cyber Cafe) Rules, 2011</p> <ul style="list-style-type: none"> • Organised an awareness programme in May 2011 • CAT has received 18 Appeals and 9 Appeals have been disposed off. 	

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
							Operation and maintenance of Cyber Appellate Tribunal	Ongoing, Awareness programmes for adjudicating officers to be organized. National, Regional and State level seminars proposed.	
12.	Promotion of Electronics / IT Hardware Manufacturing	Promotion of Hardware Manufacturing in the country.	-	2.83	-	(a) To complete the recommendations of Appraisal Committee (AC) regarding applications for assistance received under Special Incentive Package Scheme (SIPS) including action for approval of Competent Authority	Sustained growth of electronics/IT hardware manufacturing sector.	March 2012	(a) Under SIPS, DIT had received 26 proposals. As on 31/12/2011, the process of due diligence and preparation of appraisal notes for 11 SIPS applicants in the area of SPV who have reported

Chapter – IV

REVIEW OF PAST PERFORMANCE (2011-12 Upto 31.12.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
									financial closure above threshold limit of INR 1,000 Crore as on 31.12.2010 is going on. The meeting of the Appraisal Committee was also held and the recommendations of Appraisal Committee were considered and a line of action has been approved. A number of meetings of Technical Evaluation Committee for SPV were held to obtain their recommendations about these cases. The cases are at various stages

Chapter – IV

REVIEW OF PAST PERFORMANCE (2011-12 Upto 31.12.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
						(b) To set up a National Electronics Mission (NEM)			<p>of evaluation on account of in-complete information submitted by the applicants, which requires gathering / validation of information from banks / financing institutions.</p> <p>(b) The draft Cabinet note was prepared and has been circulated for inter-ministerial consultations. Action was taken to create and strengthen the institutional mechanism for promoting ESDM activities and a ESDM –PMU project for two years was got</p>

Chapter – IV

REVIEW OF PAST PERFORMANCE (2011-12 Upto 31.12.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
									<p>approved.</p> <p>Further, the Communications and Brand Building (C&BB) Campaign 2011-13 for the promotion of Electronics System Design and Manufacturing (ESDM) industry of India was launched. As a part of this project, the Electronics e Newsletter was published to disseminate the information regarding ESDM. A number of State level Workshops, specific verticals related</p>

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
						(c) To introduce Modified Special Incentive Package Scheme and setting up of Electronics Manufacturing Clusters			workshops and outreach activities in academia pertaining to ESDM were promoted. The National Policy on Electronics 2011 laying down the vision for promoting electronics and IT hardware manufacturing in the Country was drafted and the draft was released for having consultation with stakeholders. (c) The two separate draft Cabinet notes were prepared for introducing Modified Special

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
									<p>Incentive Package Scheme and for setting up of Electronics Manufacturing Clusters in order to promote creation of electronics ecosystem. The Cabinet notes have been circulated for inter-ministerial consultations. An Empowered Committee was constituted after obtaining the approval of Cabinet for identifying technology and investors for setting up of Semiconductor Fabs. This Committee has held 4 meetings.</p>

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
						(d) To set up a dedicated “Electronics Development Fund” for promotion of Innovation, R&D, Indian IP and development of Indian Microprocessor			<p>(d) The Detailed Project Report for setting up of Electronics Development Fund has been prepared with the help of SIDBI and consultation with Stake holders. This has been sent to Planning Commission.</p> <p>Other initiatives:-</p> <p>(i) In order to provide fillip to domestic manufacturing of electronics goods, an initiative was taken to provide preference in procurement to electronics products</p>

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
									<p>manufactured in India. In this regard, a draft cabinet note on policy of Preference for ‘Manufactured –in-India Electronics Product/ ‘Indian Electronic Product’ for all Government procurements and procurement by Government \licensees was prepared. This draft Cabinet Note was circulated for inter-ministerial consultations.</p> <p>(ii) Financial support was provided to Indian Semiconductor Association</p>

Chapter – IV

REVIEW OF PAST PERFORMANCE (2011-12 Upto 31.12.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
									<p>(ISA) in respect of Study on Semiconductor design, embedded software and services industry. The study report is being analyzed.</p> <p>(iii) A meeting of Chief Ministers and Ministers of the States was organized on August 29, 2011 to highlight the importance of Electronics System and Design Manufacturing (ESDM) sector in India.</p> <p>(iv) A proposal sent to Ministry of Finance for</p>

Chapter – IV

REVIEW OF PAST PERFORMANCE (2011-12 Upto 31.12.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
									<p>bringing the loans for purchase of IT hardware, software, broadband and training not exceeding ₹ 1 lakhs per household and ₹ 25 lakhs for small scale industry and business within the ambit of priority sector over and above any other priority loans available to these categories.</p> <p>(v) It is proposed to Ministry of Finance to declare mobile phone as goods of special importance under CST Act</p>

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
								<p>for levy of uniform VAT at lower level across the country.</p> <p>(vi) A Roadmap for promotion of Electronics Components Industry has been prepared.</p> <p>(vii) The proposal for fulfillment of defence offset obligations by supply of electronics hardware manufactured in the Country has been taken up with the Ministry of Defence.</p>	

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
13.	Manpower Development (including Skill Development in IT)	E-learning	-	127.69 Includes ₹ 25.00 crore for NER, ₹ 2.55 crore for SCSP and ₹ 10.85 crore for TSP.	-	Design and Development of Service Oriented Architecture based Standards Compliant e-Learning Framework with Personalized Learning Features - to develop an intelligent e-learning system catering to personalized learning complying with standards, using technologies like service oriented architecture (SOA), web mining and Rich internet applications (RIA).	E-learning standard compliant tool with support to Personalized learning An integrated conversion tool for creating SCORM compliant content Integrated video streaming capability	June, 2012	Exploration of Rich Internet Application (RIA) framework and prototype demonstration of sample application, exploration of web mining related aspects, exploration of Personalized E-Learning Environment related aspects and identification of relevant services, incorporation of standards compliance features like SCORM conformant Course Organizer and QTI conformant

Chapter – IV

REVIEW OF PAST PERFORMANCE (2011-12 Upto 31.12.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
									Assessment, SCORM compliant content conversion tool have been completed. The activities pertaining to 'Software Requirements Specification' & Design of service oriented architecture for e-Learning framework are under internal review. Two workshops have been conducted on e-Learning standards & persona-lized e-Learning.

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
						Design and Development of a Framework for Adaptive Instruction (FAI) – to deliver instruction in personalized manner, to set up FAI server, to provide Indian language support.	Creation of an environment that presents learning material depending on the learner model and preferences	Feb., 2012	Design of instruction markup language, language support (for Hindi) Content adoption of CCC subject of DOEACC and other subjects in the framework are progressing and workshop for creating awareness and collecting feedback conducted on December 15-16, 2011

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
						<p>Video Compression and Decompression for E-Learning - to improve latency and performance of video compression and decompression techniques based on standard H.264 for lower bandwidths (below 128 kbps) and to provide better quality of video and audio at lower bandwidths and lesser latency for e-Learning.</p>	<p>To improve codec standard H.264 or to develop video compression and decompression (codec) standard for better quality of video such as 128 kbps.</p> <p>A setup for e-Learning using the proposed standard</p>	April, 2012	<p>Image codec developed and tested. The image codec is now developed in Java and a jar file for the codec is created. <i>ffmpeg</i> which is existing video codec was tried and tested for the work. Workshop on Beagle-board for Codec was organized.</p>

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
						<p>Online Labs (Olabs) for School Lab Experiments – to offer a joyful interactive learning experience for the student and to provide an environment to extend, improve, refine and assist the learning and/ or experimentation process.</p>	<ul style="list-style-type: none"> • Lab Framework for experiments • Self evaluation through Quiz & experiments • To train subject teachers • Pilot testing by students. 	March, 2012	Completed prototype implementation of Olabs framework, Completed 24 lab experiments including Animation, simulation, Question Bank & related theory content, Identified 5 pilot schools and initial demo given.

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
						Adaptable e-Learning Accessibility Model for the Disabled - to carry out R&D in the area of providing a solution for accessibility for the disabled in the domain of E-Learning that would result in development of tools and products in the area of accessibility from the emerging and promising technologies.	<ul style="list-style-type: none"> • Development of Accessible E-Learning Framework • Launch of E-Learning web Portal with the support of local language • Awareness and training programmes and workshops to be organized 	May, 2013	<p>C-DAC conducted field study at National Institute of Mentally Handicapped (NIMH) to understand existing assessment, learning and promotion process for the disabled children.</p> <p>Developed some prototypes of Learning environments, Assessment and Tool Box modules.</p>

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
						<p>Content generation, adaptation and distribution in m-learning environment for Mobile phone applications - To identify and develop mobile learning content and to adapt and render the developed content for mobile phones suitable for finishing school students. Also to develop mobile video streaming application and to deploy and distribute the mobile learning content to the students of finishing schools</p> <ul style="list-style-type: none"> • Mobile learning content suitable for finishing school students in the area of soft skill, data structure and C programming and Entrepreneurship • Software for mobile video streaming application • M-Learning environment set up for students of finishing schools 	March, 2012	<p>Setting up of the Studio for recording video lectures is in progress and some of the sample videos have been developed. Developed mobile video streaming application for J2ME and Android platforms. The admin module for student and content management has been developed.</p>	
								<p>Compilation of design document is in progress.</p>	

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
						Fresh project proposals for E-Learning in the area like development of authoring tools, Video Compression/ decompression techniques, developing content independent of Platform and environment, Personalized Learning and content management system etc. will be invited from various academic institutions, R&D labs etc. These projects will be placed before Working Group for deliberations/ recommendations before approval by the competent authority.			Few fresh proposals received but they are not covered under the purview of E-Learning.

Chapter – IV

REVIEW OF PAST PERFORMANCE (2011-12 Upto 31.12.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
		Human Resource Development in the country in the area of Information Security.				<ul style="list-style-type: none"> • Launching/ continuation of Information Security Curriculum at B.Tech/ M.Tech/ Ph.D levels and train System Administrators; 	<p>Generate qualified IT security professionals for Industry/ Govt.</p> <p>Human Resource Development and awareness in the area of Information Security.</p>	March 2012	<p>Academic Activities:</p> <ul style="list-style-type: none"> • The Resource Centres (RCs-06)/Participating Institutes (PIs - 33) have launched academic courses on Information Security from doctoral level to short-term level; So far more than 36,000 students have been trained/ undergoing training in various long-term/

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
						<ul style="list-style-type: none"> • Training faculty of Participating Institutes; • Establishment of Information Security labs at RCs and PIs; 			<p>short-term courses at these institutes.</p> <ul style="list-style-type: none"> • Four Faculty training programmes for PIs organized through TIFR & IISc. • Information Security Labs set up at all the RCs and PIs.

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
									<ul style="list-style-type: none"> • Schemes for Travel Fellowship for attending conferences, paper presentation, short-term courses, workshops, tutorials etc. for students and faculty of RCs/PIs, and Revised Ph.D Scholarship/Fellowship for students of RCs/PIs evolved and launched.

Chapter – IV

REVIEW OF PAST PERFORMANCE (2011-12 Upto 31.12.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
						<ul style="list-style-type: none"> • Train Central and State Government Officers; and 		<p><i>Government Officer Training: implemented through six implementing agencies viz. NIC, CERT-In, STQC, CDAC DOEACC Society, ERNET India.</i></p> <ul style="list-style-type: none"> • Organized training of seventy eight (78) Master Trainers so far through IISc. Bangalore at ISTM, Delhi, IISc., Bangalore & CMU, USA. 	

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
								<ul style="list-style-type: none"> • Organized an Advanced level training programme for a batch of 20 participants at CMU, USA through IISc. Bangalore. • Organised training of one more batch of Master Trainers at ISTM, Delhi. 	
								<ul style="list-style-type: none"> • Various Training Programmes for 	

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
						<ul style="list-style-type: none"> Awareness Programmes in the area of Information Security. 	Secured environment for BPO, Commerce and governance		<p>Government Officers are being conducted by six (6) Implementing Agencies.</p> <ul style="list-style-type: none"> A modular courseware on Information Security (10 Modules) for short duration training programmes has been designed/developed through CDAC, Hyderabad.

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
									<ul style="list-style-type: none"> The courseware has also been integrated with e-learning tool (e-Sikshak) and hosted through website by C-DAC Hyderabad. <p><i>Information Security Awareness: implemented through CDAC Hyderabad.</i></p>

Chapter – IV

REVIEW OF PAST PERFORMANCE (2011-12 Upto 31.12.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
								<ul style="list-style-type: none"> • So far 345 workshops have been organized across the country covering about 13,862 Teachers/ Parents/ CSC/ NGOs, etc., and about 32,811 school children/ Engg. / Degree college students. 	
								<p>During these workshops, around 29,000 Awareness Kits (with promotional material and Hand Books) were distributed.</p>	

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
									<ul style="list-style-type: none"> • 30 posters on various topics of Information Security Awareness were designed and around 71,500 posters were distributed to target users. Further, around 30,000 stickers were distributed in Mumbai Internet Safety Week 2010 in association with Mumbai Cyber Police, NASSCOM, and DSCI.

Chapter – IV

REVIEW OF PAST PERFORMANCE (2011-12 Upto 31.12.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
									<ul style="list-style-type: none"> • Eight cartoon videos developed for children. • A dedicated website for information security awareness (http://www.infosecawareness.in) has been developed. • Course material like guidelines for XP, Linux, wireless

Chapter – IV

REVIEW OF PAST PERFORMANCE (2011-12 Upto 31.12.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
									configurations developed. • Several Security e-Books developed (Security Guide book, Security Tool Kit, Children Hand Book, Guide book for Teachers and Parents) and made available on the web site - 5473 downloads so far. • Hindi version of Security Awareness

Chapter – IV

REVIEW OF PAST PERFORMANCE (2011-12 Upto 31.12.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
									<p>Handbook developed.</p> <p><i>Certification Scheme for Information Systems Security Professionals: implemented through DOEACC Society.</i></p> <p>A national level certification scheme for Information Systems Security professionals evolved with DOEACC Gorakhpur as nodal centre.</p>

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
									<p>The scheme consists of three levels (both in regular as well as direct mode) viz.</p> <p>✓ Level-1: <i>Certified System Security Analyst (CSSA)</i> - Launched in July 2010.</p> <p>✓ Level-2: <i>Certified System Security Professional (CSSP)</i> - Launched in January 2011.</p>

Chapter – IV

REVIEW OF PAST PERFORMANCE (2011-12 Upto 31.12.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
									<p>✓ Level-3: <i>Certified Forensic Professionals (CFP)/ Certified Information System Security Auditor (CISSA)/ Certified System Security Solution Designer (CSSD)</i> - Launched in October 2011.</p>

Chapter – IV

REVIEW OF PAST PERFORMANCE (2011-12 Upto 31.12.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
									<ul style="list-style-type: none"> • 381 candidates for Level-1 and 62 candidates for Level-2 have been registered. • Registration for Jan 2012 batch of Level 1, Level 2 and Level 3 is under progress.
									<ul style="list-style-type: none"> • So far two exams conducted for Level-1 and one for Level-2. 21 candidates have cleared Level-1 and two have cleared Level-2.

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
									<i>Miscellaneous</i> • Two Appraisal Workshops covering all the RCs/PIs and implementing agencies conducted so far at IIT Madras and IIT Guwahati.

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
		Scheme of Manpower Development for the Software Export Industry				<ul style="list-style-type: none"> • Creation of course curriculum, Contents and Question Bank • Generation of quality faculty and mentors • Upgradation of skills of graduates to make them employable • Augmentation of infrastructure facilities for ICT training to enhance the intake capacity • Expansion of state-of-the art facility for advanced (industry related) IT training programmes • National On-line Test System for Graduate Engineers in Information Technology 	<p>Human Resource Development in the area of Information Technology for software export industry</p> <p>Generation of Mentors/quality Faculty</p> <p>Enhancement of quality of ICT education in Engg. Colleges</p> <p>Virtualization of Technical Education in IT</p> <p>National On-line Test System for Graduate Engineers in Information Technology</p>	March 2012	<ul style="list-style-type: none"> • Various projects under the scheme are being implemented at C-DAC-Noida, IIT-Allahabad, IITM-Gwalior, IIT-Bangalore, IIT-Hyderabad, State Government of Tamil Nadu and UP Technical University. • Various ICT training programme are being

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
									offered in the area of Information Security & its Application, Data warehousing & mining, Data Digitization, Advertising & Brand management using IT, GIS Technology in Financial system, E-commerce system, Expert systems and application, E-operations and Software

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
									development & Project management, Embedded System, E-Learning, Data Structure and Algorithms, Database Management System, Computer Network, Communication Skills and Personality Development, Management Skills, C++, Java, J2EE, ASP.NET and C#,

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
									<p>Digital Signal Processing System Design Management skills, IT Outsourcing, e-Contents development, Data Structure, Faculty Updation Programme in various areas. So far 29,822 students/ faculty have been trained.</p> <ul style="list-style-type: none"> • CDAC-Noida has developed 'National Online Examination System'

Chapter – IV

REVIEW OF PAST PERFORMANCE (2011-12 Upto 31.12.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
								<p>and it was launched in November 2011.</p> <ul style="list-style-type: none"> •Summer school courses were conducted on e-Healthcare, Experts Systems Applications & Global Banking and Finance in e-World. International seminar on empowering visually impaired through ICT and a workshop on Content Development in 	

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
									Advertisement and Brand Management through IT Tools were conducted. Training has been conducted for teachers/research scholars/professionals in the areas of GIS, Expert Systems, e-Healthcare, Global Banking, e-Content development & delivery and

Chapter – IV

REVIEW OF PAST PERFORMANCE (2011-12 Upto 31.12.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
									Advertisement & Brand Management. Also conducted training for farmers/knowledge workers in the area of Tele-Agriculture, Tele-Education, Tele-Medicine, Land & Water Resource advisories, e-Governance services & Weather advisories. <ul style="list-style-type: none"> • Necessary infrastructure is being set up for 14

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
									<p>nodal centers (12 in UP and 2 in Uttarakhand). Trial runs of the online lectures were disseminated and tested using the infrastructure. Presently NPTEL course contents are being delivered in virtual mode.</p> <p>In addition the following projects have been initiated:</p>

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
									'IT Enabled Soft Skill Enhancement Training Programme to Improve Employability of Engineering and Management Students' by <ul style="list-style-type: none"> • Anna University Coimbatore and Chennai. So far 10,775 students trained out of which 8918 students got placement.

Chapter – IV

REVIEW OF PAST PERFORMANCE (2011-12 Upto 31.12.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
		Human Resource Development in the North-Eastern Region				<ul style="list-style-type: none"> Regional Institutes for e-Learning and Information Technology (RIELIT) at Kohima (Nagaland) and Agartala (Tripura) 	Create skilled manpower in the area of Computer Science and Information Technology and related disciplines for making available industry ready professionals and also cater to the needs of the respective state and the region as a whole.	March 2011 (RIELIT Kohima)	<ul style="list-style-type: none"> NIELIT, Kohima (Naga-land) is conducting BCA, DOEACC O/A level in IT and CHM, CCC and other short term courses. Total 3099 students have been enrolled under various long term and short term training courses including its extension center at

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
									Chuchuyimlang . Presently training programmes are being offered from permanent NIELIT campus at Mereima, Nagaland. The construction related to boys hostel, retention wall, etc., under process.

Chapter – IV

REVIEW OF PAST PERFORMANCE (2011-12 Upto 31.12.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
								March 2012 (RIELIT Agartala)	<ul style="list-style-type: none"> • NIELIT, Agartala (Tripura) is conducting courses DOEACC 'O' & 'A' level in IT and Hardware, CCC and ITeS-BPO since December 2008. Total 1416 students have been enrolled/ trained so far. A Project Management Consultant (NBCC) has been appointed for

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
						<ul style="list-style-type: none"> New DOEACC Centres at Shillong (Meghalaya), Gangtok (Sikkim) and Itanagar (Arunachal Pradesh) 	Dec 2012 (DOEACC Shillong)	<p>construction of NIELIT Campus.</p> <ul style="list-style-type: none"> NIELIT Centre, Shillong (Meghalaya) has commenced operations from December 2009. So far 776 students have been enrolled/trained in various long term and short term courses. 	

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
								July 2013 (DOEACC Gangtok)	NIELIT Centre, Gangtok (Sikkim) has commenced operations from December 2010. DOEACC courses 'O' level in IT, 'CCC', 'BCC' and other short term course have been started. Total 156 students have been enrolled/ trained so far.

Chapter – IV

REVIEW OF PAST PERFORMANCE (2011-12 Upto 31.12.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
								January 2014 (DOEACC Itanagar)	<ul style="list-style-type: none"> NIELIT Centre, Itanagar (Arunachal Pradesh) has commenced operations from February 2011. The centre is presently offering DOEACC 'O' & 'A' level course in IT, CCC and other short term courses. So far 158 students have been enrolled out of which 58 have been trained in various long term and short terms courses.

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
		Digital Library Initiatives – <ul style="list-style-type: none"> • Digitization / preservation and web enabling of Copyright free data available in physical form 				On-going Projects Digitize: - 8-10 Million pages Providing bandwidth connectivity to IISc., IIIT, Hyderabad and C-DAC, Noida Hosting the DLI web site for accessing the digitized data	Strengthen Country's identity by digitally preserving the national heritage and intellectual output	March 2012	<ul style="list-style-type: none"> • Digitized 16.5 Million pages • Bandwidth Connectivity has been provided to IISc., Bangalore • Data has been hosted on DLI web site.
						New Projects Digitize around 20-25 Million pages	Strengthen Country's identity by digitally preserving the national heritage and intellectual output	March 2012	Two new projects, one at Banasthali Vidyapith and one at Gujarat Vidyapith, Ahmedabad & Aligarh for digitizing 28 Million pages in 2 years has been initiated.

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
14.	Facilitation of Setting-up of Integrated Townships (e-Infrastructure)	Facilitation of setting up of Integrated Investment Regions (ITIRs), IT/ITES units in the ITIR region	-	0.10	-	Information Technology Investment Regions (ITIRs) set up in different States/UTs	Establishment of high quality infrastructure for promotion of IT and Electronics Hardware Manufacturing industry. Creation of new employment opportunities for youth skilled in IT & Electronics.	These are long term processes requiring 5-15 years	Proposals have been received from 4 States viz., Andhra Pradesh, Karnataka, Tamil Nadu and Odisha. These are under process.
		Setting up of Bio-IT research and training facility to create research and training facility, IPR/ entrepreneurship development in the area of genome sequencing, DNA and molecular Biology				Research & Training facility in the area of genome sequencing, DNA and molecular Biology	Research and training facility, IPR/ entrepreneurship development	This is a 5 year duration project initiated in March 2010	Lab facilities for research and training genome sequencing have been commissioned. Training material has been prepared.

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
		<p>Setting up of ICT Vocational Centers for Physically challenged children Phase II.</p> <p>The project will help differently abled children to acquire ICT skills enabling them to seek employment and earn livelihood.</p>				<p>50 ICT vocational centers have already been set up in 17 different States/UTs. The equipment made available for ICT training includes Talking software, Screen Magnification, Talking Typing Teacher and Braille Embosser, OCR and Scanner, CCTV Print Magnifier device with TV for blind, and Assertive Listening Device and Hearing Amplification device for deaf. LAN & Internet connectivity is also provided.</p>	<p>The project will help differently abled children to acquire ICT skills enabling them to seek employment and earn livelihood.</p>	<p>50 ICT Vocational Centers have been commissioned in 17 different States/UTs by Nov 2010. Remaining 50 centers from remaining States/UTs are to be commissioned by March 2011.</p>	<p>100 ICT Vocational Centres for training the physically challenged children have been set up. The infrastructure at schools is connected to LAN and Internet and the project has been fully commissioned.</p>

Chapter – IV

REVIEW OF PAST PERFORMANCE (2011-12 Upto 31.12.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
		Training of educators, Teachers, parents for rehabilitation of differently abled Children to set up Interactive ICT training Centers and contents for training of Trainers, educators, parents for rehabilitation of mentally retarded children.				Technology enablement to enhance interaction of trainee/education and children with disabilities and improve their learning abilities.	Skill set enhancement of children with disabilities and creation of opportunities for their rehabilitation through gainful employment.	The equipment has been identified and ordered and would be installed/commissioned by June 2011.	8 Satellite Interactive Terminals (SITs) have already been set up and the teaching end studio at Thiruvananthapuram is also operational.

Chapter – IV

REVIEW OF PAST PERFORMANCE (2011-12 Upto 31.12.2011)

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
		Pilot project for setting up infrastructure for establishment of e-class room and e-teaching Hub using EDUSAT				ICT Hardware and Software for ICT Skill Development in the School Children at below Secondary Level	ICT skilled young Students from Schools in Rural Areas	2010-2013	<ul style="list-style-type: none"> In the rural schools of Rajasthan in the district of Ajmer and Jaipur 250 ICT Centres in schools have been provided with hardware and software with internet connectivity. The content is under development and teachers are being trained for giving

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
								<p>appropriate training to the school level students.</p> <ul style="list-style-type: none"> • A pilot project for setting up e-class rooms and e-teaching hub for imparting quality education to engineering students at IETE Centres in rural areas and others has been completed with setting up of all 11 Satellite Interactive 	
								Terminals (SITs) and teaching end equipment and all these Centres are operational.	

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
						Research development and development of system level services for hosting education Cloud application, set up Cloud test bed for research and collaborative international test bed efforts	<ul style="list-style-type: none"> • Cloud educational application • Cloud services for teaching • Cloud test bed 	2 ½ year	18 Senior and Senior Secondary KVS schools are being developed in first year for infrastructure development and demonstration of usage of cloud services.
15.	Headquarter (Secretariat and Building)	<ul style="list-style-type: none"> • Secretariat & Bldg. • Foreign Trade • Exhibitions • Others - Seminars/ Workshops 	28.91	39.98	-	<ul style="list-style-type: none"> • To meet running expenditure of the Secretariat and Plan Schemes • CST re-imburement of STPI units • To organise exhibitions abroad for promotion of Trade • To organise seminars/workshops for development of electronics in IT 	<ul style="list-style-type: none"> • To run office smoothly. • Export promotion • Trade promotion • Promotion of electronics and IT-ITeS Industry. 		On continual basis

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
16.	National Informatics Centre (NIC)	Provide wide range of E-Governance infrastructure and services in the Country at various levels right from Central Government, State Governments to district administrations in their initiatives towards providing good Governance to the people.	-	754.00	-	Cyber Security <ul style="list-style-type: none"> Network and application security audit, Co-relation of security events, help desk facility for securing applications 	<ul style="list-style-type: none"> Enhanced security of NICNET resources and services. 	March, 2012	Security of NICNET has been enhanced in various Bhavans.
				Includes ₹ 75.00 crore for NER, ₹ 22.62 crore for SCSP and ₹ 67.86 crore for TSP.		Certifying Authority <ul style="list-style-type: none"> Setting up of new Registration Authorities (RA) 	<ul style="list-style-type: none"> DSC Subscribers will be serviced by new RA office in selected states facilitating efficient services. 	March, 2012	4 new RA offices have been set up in NIC State Centres of Kerala, Goa, & Jaipur. RA office at Variable Energy Cyclotron Centre(VECC) Kolkata has been augmented.
						<ul style="list-style-type: none"> Enhancement of CA services for promotion of e-governance. 	<ul style="list-style-type: none"> Augmentation of CA services to cater to specialized applications. 	March, 2012	CA software has been upgraded to incorporate Interoperability guidelines.

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
						Computerization of Land Records <ul style="list-style-type: none"> Integrated model of Land Records, Registration and Cadastral maps as per the guidelines. 	<ul style="list-style-type: none"> Integrated system will be operational in the West Bengal, Orissa. 	December 2011	Completed. Implemented in WB. Pilot testing being done in Orissa
						<ul style="list-style-type: none"> Customization of Bhunaksha 	<ul style="list-style-type: none"> The Bhunaksha will be implemented in Tripura, Haryana, Orissa. 	March 2012	Software Customized and implemented in Tripura and Haryana. Being Tested in Orissa.
						<ul style="list-style-type: none"> Training to State level institutions including NIC-LRPR co-ordinators on NLRMP 	<ul style="list-style-type: none"> The Training will enhance the capacities of state Land Revenue officials and NIC officers on latest digitization and survey technology. 	August 2011	Conducted training on NLRMP to twelve (12) States/UTs. Further, DoLR has requested NIC to conduct the training in remaining States & UTs.
						Videoconferencing infrastructure development <ul style="list-style-type: none"> Web based HD VC system 	<ul style="list-style-type: none"> High definition VC facility would be provided over the desks of 	July 2011	Completed.

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
							users across NICNET for easy to use and effective in communication.		
						<ul style="list-style-type: none"> Augmentation of VC infrastructure at States and districts. 	<ul style="list-style-type: none"> It will replace all old Standard Definition VC systems with latest state-of-art High Definition Group Videoconferencing system. 	Sept 2011	Order placed for U.P.
						<p>India Image</p> <ul style="list-style-type: none"> Augmentation of Comprehensive WWW Service 	<ul style="list-style-type: none"> Enhanced and State-of-the-Art features in web hosting services. It is a continuous activity. 	March, 2012	Under implementation.
						<ul style="list-style-type: none"> Website Design and Development Infrastructure , Training/ workshops 	<ul style="list-style-type: none"> To enable Government department in establishing citizen centric up to date and universally 	December, 2011	Completed. Infrastructure has been set up. Training/ Workshop has been organized for Web

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
							accessible websites.		coordinators of all the Ministries, Departments and States.
						Remote Sensing & GIS <ul style="list-style-type: none"> • GIS ICT infrastructure. • Deployable GIS data Raster as well as Vector GIS Services over NICNET for E-governance and planning. 	<ul style="list-style-type: none"> • Customized GIS data products and services over NICNET for E-governance & Planning 	March, 2012	Spatial Data Organization for National GIS Services. NICMAP Service Framework tested successfully & delivered. GIS application deployed for Telecom sector including data from PSU. Web GIS based Services on Architecture Deployed.

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
						<p>Utility Mapping Project</p> <ul style="list-style-type: none"> • Base map updation for roads of North Delhi • Training on GIS software and system administration. • The existing business process will be studied and gaps will be identified and filled 	<ul style="list-style-type: none"> • Updated road map will help in secured planning • Trained manpower will use the system effectively and at their own i.e. without NIC's assistance. • S/W will be customized as per the requirement of Utility Agencies for better management of operation & Maintenance services. 	<p>March, 2012</p> <p>March, 2012</p> <p>March, 2012</p>	<p>Road map of NW Delhi Completed.</p> <p>Completed</p> <p>Address Search, Building type search CoC Properties/ EB assets searching Street Lights Information. Elevation based retrieval of building ,etc are going on.</p>

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
						<p>Data Centre</p> <ul style="list-style-type: none"> • Establishment of data centre at Delhi • Phase II expansion of National Data Centre at Hyderabad. • Setting up National Data Centre at Bhubaneswar 	<ul style="list-style-type: none"> • To meet growing demand of web based applications. 	December 2011	<p>Data Centre at Shastri Park, Delhi has been established.</p> <p>Phase II expansion at Hyderabad has been completed.</p> <p>SFC for establishment of Data Centre at Bhubaneswar is under process.</p>

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
						<p>High Speed Terrestrial Circuits</p> <ul style="list-style-type: none"> • Enhancement of Terrestrial bandwidth of State Capital and District connectivity • Secondary link from different NLD at key districts • Some of the districts will have additional STM1 channelized connectivity to extend last mile connectivity 	<ul style="list-style-type: none"> • Increase of connectivity capacity and Bandwidth. Improve reliability leading to improved e-gov. 	March, 2012	
						<p>NICNET International Gateway project</p> <ul style="list-style-type: none"> • Gateway Bandwidth will be upgraded to 10 Gbps 	<ul style="list-style-type: none"> • Enhanced and efficient availability of Internet Services 	Oct, 2012	

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
17.	National Knowledge Network (NKN)	The objective of the National Knowledge Network is to bring together all the stakeholders in Science, Technology, Higher Education, Research & Development, and Governance (with speeds of the order of gigabits per second coupled with extremely low latencies; through PoPs in the respective institutions/ organisations).	-	250.00 Includes ₹ 25.00 crore for NER, ₹ 7.50 crore for SCSP and ₹ 22.50 crore for TSP.	-	<u>Likely Plan for 2011-12</u> i. All the core links of NKN would be 10G. The complete setup would then be operating on NKN CORE infrastructure. ii. NKN Links to reach the districts and expand the CORE with Distribution layer. iii. Connect the rest of the Institutes to NKN (1000 Approx) iv. Setting-up of full DATA CENTRE at Shastri Park v. Setting-up of CALL-CENTRE for the NKN vi. Facility management Support at all the locations. vii. IPv6 numbers from APNIC for the complete network viii. IPv6 implementation in full scale	The output of the project will be a high capacity countrywide Infrastructure at education & research Institute level, which will be available 24x7 to support education and research application, and other application as envisaged by these institution which require very high bandwidth. A high speed data communication network would be established, which would interconnect Institutions of higher learning, research & Governance. The NKN will facilitate the knowledge	End of FY 2011-12	<ul style="list-style-type: none"> ●A total 667 links to Institutions have been allocated so far, out of which a total 603 number of Institutions have been connected to NKN (this includes 150 NMEICT links to Institutions which have been migrated to NKN). ●A total of 50 virtual classrooms have been setup so far, and the work for 16 classrooms is in progress.

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
							<p>sharing, collaborative research, countrywide classrooms (CWCR) etc. and help the country to evolve as Knowledge Society. This will also contribute in socio-economic activities of the country indirectly.</p>		<ul style="list-style-type: none"> •79 core links have been established between various NIC/NKN PoPs •The website and the logo of NKN have been launched. •The list of next set of 100 institutes to be connected to NKN is finalized. •NKN has conducted various technical workshops across the country for imparting the

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
									<p>idea of NKN among institutes and also making them understand various uses of NKN.</p> <ul style="list-style-type: none"> •NKN PoPs at Guwahati, Bangalore, Belapur and Bhopal has been made operational. •Initiation of work for the 05 model projects selected by MPEC committee. •Infrastructure work for Data Centre / NOC of NKN is in progress. •NKN

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2011-12 (₹ in crore)			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes/ Timelines	Status as on 31.12.2011
			Non-Plan	Plan Budget	Comp IEBR				
									network has been enabled for IPv6 and made available to the end users. District links have been identified and allotted to the TSPs for providing the required connectivity at district headquarter level.