Chapter - II

Department of Information Technology - Outcome Budget 2007-08

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Ou (F Non- Plan	tlay 200 Rs. in cro Plan Budget	7-08 pre) Comp IEBR	Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes /Time basis	Remarks/ Risk Factors
1	SAMEER	R&D in Microwave Engineering and Electromagnetic Technology, Radar, RF Communication, High Voltage Electronics and Electromagnetic interference	3.00	22.00	14.00	 Radio Theodolite 1680 MHz is used to track automatically the weather balloons fitted with the 1680 MHz transmitter to acquire weather data. Digital Radiosonde- this microcontroller based unit digitizes pressure, temperature and humidity sensor output and feeds it to onboard telemetry system for transmission to ground 	The system will be demonstrated to IMD at one of its Upper Air Monitoring Stations The digital RS will be utilized by IMD for taking Upper Air Meteorological observation	Dec.,07 March 2008	
						 receiver. Signal conditioning card for Ozone Sonde . This card alongwith balloon filled with hydrogen is released for recording upper air ozone concentration. Estimation of Precipitable Water Vapour (PWV) using dual frequency GPS 	Ozone Sonde will be used by IMD to monitor ozone profile of upper atmosphere This software can generate PWV for use in numerical weather forecasting &	March 2008 Oct. 2007	
						 Technical assistance to L&T for C and S- band transmitter – The high power transmitter will be developed. 	The system with advanced features will be available for tracking of satellite	Dec.07	

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						 High power test bench for Linac – A high power microwave test bench will be set up 	A microwave test bench will be created for testing Linac and microwave components at 2998 MHz at 6 MW upto 25 KW power.	March 2008	
						• Fiber Optic Gyroscope (FOG)	Fiber Optic Gyroscope, a sensor is used in the guidance of aircrafts, missiles, ships and other strategic areas	Dec. 2008	
						• Sapphire window for high power microwave and mm wave applications	Sapphire to metal joining technique will be developed. Ultra high vacuum compatible microwave window will be made operational at 2998 MHz and will be heat & pressure cycled, and characterized at low power for VSWR & insertion loss	Dec. 2007	
						 Establishment of Compact Antenna Test Range (CATR) facility 	CATR facilities at SAMEER will provide basic infrastructure for design, development and R&D in the field of antennas, radar cross section studies and radome measurements.	June 2009	

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						• Establishment of facility for batch fabrication of Linear Accelerator (LINAC) tube and Accelerator machine at Khargar, Navi Mumbai	This facility will be used for batch fabrication of LINAC tube, System integration of LINAC machine and Radiation testing.	Nov. 2008	
						• Establishment of a Center for Computational electromagnetics with latest CAD tools and expertise to analyze multi-radiating systems on board. This will be a facility with expertise in large-scale multi radiating system analysis programmes	Full establishment of CEML with all the tools and infrastructure & training on Software packages	Dec. 2008	

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2	Micro- electronics & Nano- technology Development Programme	To establish centres of excellence for research in Nanoelectronic s & Nanometrolog y and also to fund small and medium level research projects in specific areas such as nanomaterials, nanodevices, Carbon Nano Tube(CNT), nanosystems, MEMS, VLSI design etc.		29.00		 a) <u>Nanoelectronics Centres at IITB & IISc.</u> IITB: Sub 100 nm CMOS Process Development; Nanosystems for Health- care and Environmental Monitoring; Organic and Biopolymer Devices; GaN Devices; Characterization, Modeling and Simulation of Nanoelectronics Devices. IISc: Magnetic materials for LC Resonator; Acoustic sensor; Ferroelectrics for FRAMs and Phase shifters; Rare earth metal oxide for MOS gate dielectric; Molecular Rectifier Based on Organic Thin Films (Self Assembled Monolayers and LB films). b) <u>Nanometrology at NPL, New Delhi</u> Provide calibration & traceability for linewidth, step height & surface texture measurement and calibration of low voltage (nV), low current (pA) & electric charge. International compatibility by participation in international inter- comparision & round robin tests. 	It would enable to create a strong R&D base in nanotechnology in the country. It would further enhance India's emergence as a global destination of VLSI design & embedded systems design. The quantifiable deliverables will start coming out from the end of third year onwards from the date of initiation.	 Setting up of clean room & ordering of remaining equipment Installati- on and commissio ning of equipment s will start. Work on sub 100nm C-MOS process will also start. Teaching & Research would start 	Nanotech- nology is a nascent & disruptive technology and is expected to impact every- thing manmade. Leading nations have been making huge invest- ments in this area for last several years.

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3	Technology Development Council	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.	-	32.00	2.50	 National Mission on Power Electronics Technology (NaMPET) First prototype of the Full Spectrum Simulator will be ready for field trial First prototype using Matrix Converter Technology will be ready for trial Third Industry-Academic Meet at IIT- Bombay Holding of Short-term Courses Initiating new major projects following Technology Roadmap 	Aug.,07 Aug/Sept 2007 Oct.,07 May,07 Sept.07	
		Emerging Areas in IT The programme would result in enhanced competencies in emerging areas of Information				 Automation System Technology Centre (ASTEC) Finalisation of Technology Roadmap and initiating new projects Identification of infrastructure upgradation activity and initiation of procurement actions Smart Cards Initiation of "Development of Smart Card Terminal" for Transport and other sectors 	June 2007 Sept 2007 June 2007	
		Technologies – due to increased research and development activities in the country.				 RFID Initiation of project to take up technology and application development and pilot deployment 	June 2007	

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						 Technology Incubation Initiation of "Technology innovation / incubation support program" Extension of Technology incubation support scheme at technical institutes IPR 	Availability of technology development inputs reg. Patents and creation of IPR's in the country	June 2007 March 2008	Subject to necessary administrati ve approvals
						 5 Technological trends reports based on patents will be prepared To be filed: 20 Copyrights. 12 Patents. 4 Design & Trademarks 		March 2008	
						To set up an institute for ICT-IPR		March 2008	

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		Bio- Informatics Initiatives				 Project BRAF at CDAC Pune: Providing state-of-art grid enabled Bioinformatics software and teraflop, terabyte facilitated hardware and 10 Mbps bandwidth , to enhance the productivity and quality operation as well as contract research. 	re Procure y, ment of hard- ware, comm ercial soft- ware, man- power recruit- ment, prepara- tion of design docu- ment- March, 2007 Porting of new codes, develop ment of applicati ons to utilize grid -March 2008	Setting up of BRAF is linked to Setting up of Garuda -grid project.

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						 Project Indian Botanic Gardens Network: Developing web base software tools for digitization and identification of RET species and varieties at NBRI Lucknow 	To update and upgrade web enabled Indian Botanic Garden Network. To finalize standards, compile, data on medicinal and RET plant varieties growing in Indian Botanic Gardens. To develop OS independent software for digitization of data base on rare and threatened (RET) species and varieties. To develop tools for automated identification of medicinal and RET plant species and varieties. To facilitate exchange of information among Indian Botanic Gardens.	Procure ment of hardwar e, software & finalizati on of data standard sNov 2007	
						 Project Development of A web-enabled Protein Structure Prediction Software. at IIT Delhi 	Development of A Web- enabled Protein Structure Prediction Software Application in drug discovery	Procure- ment of the required processors and develop- ment / extension of structure prediction algorithms and a thorough validation on small	

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					 Development of software for sequence visualization, sequence alignment. 	SW tools and databases to help in Genome Research, Drug Designing and Persevering Biodiversity.	proteins (<100 Amino acids) Oct.,07 Develop- ment of CGRex tool for sequence visuali- zation – Oct.,07.	
					 5. Four centers of Excellence for Research a Training will be established for Specific project oriented development in the field of Bio-diversity, Genome Sequence Analysis, Protein modelling and Web based Bioinformatics tools. Setting up of infrastructure for training of Bioinformatics scientists through modular courses. 	Skillset inculcation for 30 scientists/engineers at each centre through 4 modular courses each of 3 months duration.	To be initiated in 2007- 08	
					 Development of a Computational Workflow for High throughput Genome Analysis project at CDAC Pune Specific project oriented development in applications of Bioinformatics such as pharmaceuticals, plant tissue culture, plant genome database creation etc. 	The objective of this project is to build a high- throughput drug discovery pipeline using workflow environment. This software workflow would consist of bioinformatics software that will be loosely tied together in a coordinated system to execute a set of analyses tools in series or in parallel.		

S N	 Name of Scheme/ Programme 	Objective/ Outcome	Ou (F Non- Plan	tlay 200 Rs. in cro Plan Budget	7-08 pre) Comp IEBR	Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes /Time basis	Remarks/ Risk Factors
2	Convergence, Comm- unication Broadband and Strategic Electronics			22.00		Under the programme financial support is given to R&D in Convergence, Communications, Broadband Technologies and mission critical applications. Initiation of projects in development/application of technologies defining the Next Generation wired/wireless broadband technologies Converged Access Devices, embedded software applications, self healing and reconfigurable networks. ICTE applications for safety, security & surveillance To arrive at specifications, suiting to Indian Conditions, Demonstration and testing of new products and new technologies developed as per specified features. Execution of Transfer of Technology (TOT) to industries/ manufacturers/user organizations.	The R&D activities will result in establishing capability for development and application of projects in the area Supporting productionisation and cost effective deployment of emerging technology bringing not only economic benefits but also contribute to e-inclusion, provide safety, security and improved life for addressing domestic and international markets. The R&D activity resulting in import substitution, technology advancement and creation of knowledge capital, as Scientists/Engineers and users get hand on experience and exposure to latest technologies, which is an asset for the country.	Identificati ion & formulation n of new projects. Constitution of PRSGs for evaluati on and project monitoring. On an average two projects in each quarter are planned to be initiated in new technolo gy areas. The projects are generall y of duration 1 year to 2 years.	Techno- logical obsole- scence and changing user require- ments.

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5	Components & material Development Programme	To extend knowledge Domain in the field of IT to user in knowledge economy	0.60	10.00	ILDR	 Strengthening of infrastructure and R&D activities of C-MET. Support 2-3 new projects in the area of display & magnetic materials /devices Technology documents for four ongoing projects will be ready. 		Ongoing activity Nov. 2007 Sept.07	Subject to availability of funds
		To support R&D Projects for the development of Electronics Materials.				Design, Development and fabrication of optical amplifier (EDFA) modules	Know-how base in design of single and multi channel EDFA. Realization of the devices and possible commercialization.	May 2007	Provided no further extension of project is approved
		To nurture photonic technologies relevant in IT and optical communicatio n as well as develop technologies in the broader application areas of				Prototype instrument to map linear visco-elastic properties of human breast	Development of Photonics for Health and Biophotonics technologies, e.g. Elastographic imaging system for breast cancer detection.	Theoretic al studies and simulation and experime ntal work Dec.,07 Prototype Mar.,08	
		Photonics				Initial compositions of LTCC conductor pastes. Initial compositions of base materials for integrated capacitors and inductors Development of HF components Initial composition of lead free solder bath and patterns for photolithography.	Development of LTCC materials & applications for integrated passive components Development of HD interconnects	Mar.,08	

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						Procurement of modelling software & initiation of designing & fabrication of small scale TATP Assembly	Process for the generation of nanopowders	March 2008	
						Reverse Engineering of RG 630 Glass. Preliminary runs for fabrication of RG 630 Glass	Coloured glasses for remote sensing camera	March 2008	
						Preliminary synthesis of Polymer-LiMnO ₂ / LiMn ₂ O ₄ nanocomposite for battery and other applications. Preliminary runs of synthesis of ZnON and ZnON –polymer nanocomposite and its physicochemical characterization.	Polymer Nanocomposite for Battery and other applications	March 2008	
						Nanocomposite from polyethylene and polycarbonate	Process for nanocomposite preparation	March 2008	
						Preparation of organometallic / inorganic precursors and process development of passivated free standing QDs of II-VI semiconductors and studies of their optical properties.	Air stable quantum dots of Semiconductors, mixed chalcogenides and sundry nano-sized powder.	March 2008	
						Establishment of infrastructure for the preparation of nanorefractory powders.	Experimental setup for preparation of nano- refractory powders	March 2008	
						Establishment of hydrochemical processing of Gallium		March 2008	

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						Design and fabrication of Vacuum Distillation and zone melting system	Fabrication of important process systems for the purification of zinc.	March 2008	
						Design and fabrication of crystal growth & zone refining system and trial run	process equipment for purification of Bismuth.	March 2008	
						Study of geletion for optimum characteristics of RF aerogels.	To freeze the density of RF aerogels	March 2008	
						Procurement of ICP-OES and installation	Establishment of characterisation facilities	March 2008	
						Compositions for temperature and humidity sensors	4 numbers of miniature thick film sensors from nanosized powders	March 2008	
						Piezoelectric composition of microactuator	Microactuator of :PZT film; Thickness -0.25 to 1.0 µm; Displacement – 10 µm at	March 2008	
						25 Nos of low K PTFE composites	voltages <u><</u> 50 V Modelling & fabrication of nanoporous ceramic / micro bubles filled PTFE composites	March 2008	
						Composition for Zn-Sn-O and Cd-Sn-O	4 numbers of miniature thin film TCOs	March 2008	

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6	C-DAC		Plan 3.00	Budget 75.00	1EBR 175.00	 High Performance and Grid Computing: Cut-over of 5-10 Teraflop facility, commencement of facility and porting of code for identified applications, bench-marking. Work on architecture, hardware technologies and software environment for next generation PARAM systems Continuation of PoC phase Garuda (National Grid Computing initiative) including building of communities for various applications Approval and Commencement of Main Garuda –project report for Main Garuda. Preparation of DPR and approval for shared e-science resources infrastructure and commencement of lab setting up 	Practical manifestation of shared HPC system to community and integration of critical technologies Facilitate high-end research in science and engineering of HPC support to users. Demonstrate impact of Grid Computing for new type of problem-solving environment / collaboration tools Build capability in emerging applications of Grid infrastructure for global competitiveness	2Q-3Q 2007 (end June end Sept. 2007) Jun.,07 to Mar.,08 June 2007 June 2007 – Sept.,07 January -March 2008	
						 Multilingual Computing Completion of the release of Free Indian languages softwares and fonts (CDs and downloadable Web-site) 	Development of local language base for IT to enable its large-scale deployment and use by masses.	March 2008	

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						 Building of Indian language resources (Multilingual corpora, dictionaries & spell-checkers, OCRs/OHRs, TTS etc.) 	Development and use of content in major Indian languages and automatic content generation from one language to another to onable use of LT by masses	March 2008	
						 Robust Document Analysis and Recognition system for printed Indian Scripts 	enable use of TT by masses.	March 2008	
						 Delivery Driven R&D in OCR/OHR, Machine Assisted Translation (MAT), CLIR integration with applications (e-Governance, Kiosks, etc.) 	New R&D initiatives in areas of speech technologies and machine-assisted translation.	March 2008	
						VLSI, Embedded & Real Time Systems, Power / Agri / Strategic Electronics, Broadband, Wireless and Internet Technologies			
						 Designing tools and components for Power distribution, Power Supply Modules, Hybrid vehicles, Remote Inspection Device 	To strengthen national capability in Power Electronics and associated areas	Concurrent R&D and Deploy- ment	
						 Continuation of work on development of electronic tongue, tea plantation automation, Post harvesting automation of potato 	To develop technologies for Real-time, high-speed Digital Controllers and Power Semiconductor devices for power quality improvement, electric traction, pollution free vehicles, automotive	Quarterly verifiable deliverabl es	

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							electronics, non- conventional energy sources, remote controlled vehicle, etc.		
						Low voltage Embedded Real time Control for 3 Wheelers		Quarterly	
						Automation System Technology Centre		Dec.2007	
						Implementation of Area Traffic Control System		Dec.2007	
						Digital, Programmable Hearing Aid		Dec.,07	
						Sensor Network	To strengthen India's capabilities in Sensor Network and Embedded Systems	Prototypes - May 2007	
						 Development of software defined radio equipment 	To be a National Centre in Digital Broadband & Wireless Systems	Prototype - Dec. 2007	
						Enhancement of TETRA technology	To enable leadership in R&D.	2nd version Dec.07	
						Open Source Software (OSS), Geomatics, e-Governance and ICT applications	This would help reduce investments in software purchase by developing OSS for various disciplines	Remainin g set of PoC deployme	
						 Open Source Software: NRC-FOSS to develop mature eco- 	and promoting their usage. To develop and deploy e-	in 2-3 areas – March 2007	

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						system for FOSS in India; BOSS distribution to be started; e- Governance and education on domain alongwith language components to be addressed	Solutions, which promise improved transparency, speedy information dissemination, higher administrative efficiency & improved public services.		
						Core Development to develop stacks for Enterprise Service Bus, SOA etc.		1-2 scaled up version - March 2007	
						 Application Frameworks for verticals like Government, Healthcare and Banking. 	To participate in central, state and local e-Governance programme	March 2008	
						 e-Governance Development of new e-Governance products, Solutions. Deployment of already developed e- Governance solutions in additional states and Government departments. Development of Mission mode and other e-Governance projects figuring in NeGP and products in this sector. Development of e-Governance Solutions for the Gram Panchayats in their local languages 	To deploy e-solutions, promising transparency, speedy information dissemination, higher administrative efficiency and improved public services. Deployment of practices and skill sets	At least in 6 States March,07 Focus on deploymen t pilots: 1st half More developme nt: 2nd half Prototype by Nov. 2007	

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			Plan	Budget	ILBR	Geomatics Development and Deployment of GIS enabled solutions for • Land Records Management, • Urban Infrastructure Management • Natural Recourse Management • Vehicle Tracking System • Grid enabled GIS based data centre	It would strengthen core competency and build up additional GIS based solutions. To provide Geomatics based Decision Support System for rural and semi- urban areas	Developme nt of solutions -1 st half Deploymen t of solutions - 2 nd half	
						Cyber Security Security tools and technologies for Network Forensics Cyber Security Cyber Forensics 	To build country's strength in cyber security to address:	Initial deployme nt in NIC, strategic users: 1st half 2007	
						 Algorithms for Stegnography Stegnography – To continue work in respect of retrieval of information from Video Cryptanalysis: Development of Algorithms and High Performance Computing Technologies 	 Export restrictions on security products by advanced countries. Confidence building in veiled security threat. 	Patent filing & deployme nt in 2nd half 07-08	

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						 Development of Face recognition solution Design and Development of Malware Attack Prevention System 	 Creation of knowledge among people. 	Scaling up Nov.08	
						 Deployment of Telemedicine in Tamilnadu, Himachal Pradesh and other States. National Roll out of Cancer Net Enhancement of features of the following products Mercury Sanjeevani Sushrut Development of Web Mercury Interface Web based e-Sanjeevani Web based Imageing system and telemedicine network for Cancer Institute (WIA) Consolidation of AyuSoft project efforts and addition of further components 	Establishment of telemedicine networks in the country and building technical strengths in BioInformatics / Medical Informatics Processing of data as well as offline transfer and receive over Web. Develop a web based image processing system for Real Time analysis of patient data and images	At 10 locations in HP Mar.,07 7 locations in Tamilnadu Mar.,07 Version 2.2 – March 2007 Version 1.0 April,07 June,06- May,09	

-	Scheme/ Programme	Outcome	(R Non- Plan	Plan Budget	re) Comp IEBR	Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes /Time basis	Remarks/ Risk Factors
						 Ubiquitous Computing Development of coordinating & context aware middleware using Ubiquitous semantic space Setting up of intelligent room & integrating middleware with RFIDs & sensor devices 	Establishing intelligent room to showcase research prototypes developed and for conducting experiments and Integrating with computational grid.		
						 Setting up Wireless Sensor Networks Labs Prototype system capable of deployment in agriculture research applications for sensing environmental parameters for effective decision making in agriculture applications Development of RFID based technologies 	Development of Middleware Architecture based on SOA Framework Context awareness computing, modeling and reasoning and development of toolkit for home and healthcare Development of system for sensing temp, humidity, solar radiation, etc.	March 2008	

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7	Electronics in Health and Telemedicine	To promote development of medical electronic equipment, rehabilitation device and Telemedicine systems.		18.00		 Installation and commissioning of 6 MV medical linear accelerator for cancer treatment. Continuation of activities to set up facilities for fabrication of linac tube. 	Indigenous production of medical electronic equipment, rehabilitation devices and Telemedicine Systems to reduce the cost of the health care and empowerment of physically disabled.	By March, 08 fabri- cation of one 6 MV Linac machine will be complet- ed. Construc- tion of radiation bay - March - 2008 Initiate	The productio n of indigen- ously deve- loped techno- logies depend on various factors and not only on successful develop- ment of
						 Initiation of new technology development projects in the area of Medical Electronics, rehabilitation and Telemedicine 		process for construc- tion of laboratory - March,08 Dec. 2007	techno- logies.

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			Plan	Budget	IEBR				
8	Technology Development for Indian Languages			11.00		Launch of Indian language Software/ Tools – Free-to-use software tools such as Fonts , text-editor, spell-checker , Morph Analyzer , Dictionaries, Key-board drivers and messaging systems	Proliferation benefits of ICT to masses	Bengali and Gujarati - June 2007 remaining 10 official Indian Languages - March 2008	
						Specialized Manpower Development in Language Technology -			
						Masters level ~ 50 & PG Diploma Level ~ 50) in domains of Knowledge Engg./ Computational Linguistics	Availability of trained manpower for product development and research in Language computing	1 st batch of trained manpower - July 2007	
						Open-Type fonts in Indian			
						286 Open-type fonts in 11 Indian Languages	Proliferation of Indian Language Open Type fonts and use of Indian Languages on web.	April 2007	
						English to Indian Languages Machine Translation System -			
						English-Hindi, English-Marathi, English- Bengali, English-Oriya, English-Tamil and English-Urdu.	The system will be useful for the general public at large and the State & central Government offices.	Alpha version – Aug.,07 Beta version March,08	

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						Cross Lingual Information Access System		March,08	
						Handwriting Recognition system for			
						 Devanagari, Kannada, Tamil, Malayalam, and Telugu scripts 		March,08	
						Indian Languages to Indian Languages Machine Translation System –			
						Tamil-Hindi, Telugu- Hindi, Marathi-Hindi, Bengali-Hindi, Urdu-Hindi, Kannada-Hindi, Punjabi-Hindi, Tamil-Telugu, Malayalam- Tamil.		March,08	
						Printed Text OCR for Indian Languages –			
						Bangla, Devanagari, Malayalam, Gujarati, Telugu, Tamil, Oriya, Tibetan/Nepali, Gurmukhi, Kannada		March,08	
						National Localization Research Centres	The standards, resources, technologies will be show- cased for the users and developers	To be initiated in Sept, 2007	

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						Centres for Indian Language Technology & Resources (CILTR)	For development of the speech recognition system.	March,08	
						Phonetic Engine for Indian Languages	E-Gov and E-rural solutions in Indian languages	March,08	
						Adequate intonated Text-to-speech Synthesis system in Nepali	All the Indian languages will be assigned the IPA Code	March,08	
						Standardization of IPA symbols for all official Indian Languages (IPA-IL) with example sound		Dec,07	
9.	IT for Masses (Gender, SC/ST)	Upliftment of Women folk and SC/ST		9.00		 To conceive and formulate few projects for development of Women, SC/ST sector. 		At least 2 projects – March,08	
10	Media Lab. Asia	To leverage information and communicatio n technologies and other advanced technologies for the benefit of the common man.		10.00		Healthcare Deployment of projects in Rural Tele- Medicine, Health management information and mobile telemedicine	Development of technologies, applications and deployment of models in the thrust areas of Media Lab Asia, vz. livelihoods, education, healthcare and rural connectivity (application specific)	On going	
						Education Development of Content in Education in Indian languages, Virtual Labs, Content for Vocational Subjects, ICT in Class room, training of persons in remote area.		On going	

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						 Empowerment of the Disabled Use of ICT through Edusat connectivity for special edu. Development & deployment of software and assistive devices for various kinds of disability Deployment of systems developed under DIT grant in all Govt. aided special schools. 		On going	
						 Village Livelihood Generation Engagement of a consultancy organisation / consultant to prepare a plan for country wide deployment ICT based agri-services with business model & market courage. Deployment of ICT based agri-services. Design & deployment of rural BPOs & study of their impact in the village. Development & pilot deployment of wireless sensor networks for real time monitoring of the climatological conditions for precision agriculture. Development of web ready weather information system 		On going	

Chapter – II	Financial Out	lays & Projecte	d Physical O	utputs/Outcomes
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Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Ou (F Non- Plan	tlay 200 Rs. in cro Plan Budget	7-08 pre) Comp IEBR	Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes /Time basis	Remarks/ Risk Factors
						 Preparation of DPR (Detail Project Report) for ICT enabled rural crafts & arts with national seminars. Development of rural skills upgradation programmes. Development of CAD based design tools for village artisans & craftsmen and weavers 		On going	
						 Rural Connectivity Deployment of community radio network for agriculture information dissemination & awareness programmes on healthcare, education & livelihood generation. Satellite/SIT based broad band wireless connectivity deployment for services on health care, education & livelihood generation Deployment of WI-fi / Wi-Max networks for healthcare, education & livelihood generation. Mass awareness of IT Technologies 			

	Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2007-08 (Rs. in crore) Non- Plan Comp		Outlay 2007-08 (Rs. in crore) Non- Plan Comp			Outlay 2007-08 (Rs. in crore) Non-Plan Comp			Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes /Time basis	Remarks/ Risk Factors
				Plan	виадет	IEBR									
11 STQC	STQC	Establishment of Quality Assurance Infrastructure in the country to facilitate quality products & services at par with global standards and	4.30	50.00		 Up gradation of Test & Calibration facilities to cater to state-of-the-art products with emerging technologies. 	State-of-art Test & Calibration facilities will be available to Industry to upgrade quality of the products.	On continu al basis							
	proc serv with stan prac					2. Earn Rs. 45 Crore as revenue	STQC will move towards self- sustenance	March 2008							
		standards and practices					 Establishing working relationship with NIST, USA in development & review of IT Security Standards & guidelines 	Indian Software industry will start utilizing facility of NIST IT Security Standards	March 2008						
							4. Common Criteria test laboratory will be set up at ERTL (E), Kolkata	More industries will utilize the Software test facilities to improve quality of their products.	March 2008						
							 To upgrade services for testing of software application for e- Governance application 	New sectors will includes gateway Testing, financial utility sector	March 2008						
							 To provide services of software evaluation to various industry sector and the user industry. 		March 2008						
							 Certified IT Service Management training programs and BS 15000 Certification Services to be started. 	Enhanced confidence of IT Services industry due to availability of trained manpower.	March 2008						
							8. Initiate construction activity of STQC	- · · · · · · · · · · ·	Dec						
							Building at Noida.	Construction activity will be in progress	2008 On						
							9. Human Resource Development by	4.09.000	continual						
							conducting DOEACC 'O' & 'A' level courses in NE region.	Computer education to weaker/backward sections.	basis.						

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Ou (F Non- Plan	tlay 200 Rs. in cro Plan Budget	7-08 re) Comp IEBR	Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes /Time basis	Remarks/ Risk Factors
12.	STPI & EHTP	To promote exports of electronics & IT.		0.50	2.70	This programme is for promotion of exports and provide facility to Indian Small and Medium Organisations for participations in export promotion events in the software and electronics sectors.		On continu al basis	
13.	Digital DNA Park	To promote Bio-IT activities in the country	-	0.10	-	Setting up of Bio-IT Park Computational Biology Centre	 R&D in Bio-IT area Creation of manpower & knowledge sharing in bio- IT 	Park Infra- structure Develo- pment	Subject to joining of compa- nies in the park
14.	e-Governance	The Objective of e-Governance Programme in broader terms is to make all Govt. services accessible to the common man in his locality. The emphasis has been to ensure: a. Integrated & enhanced access to government services b. Clearly defined service levels c. Services at the doorstep with substantial rural		800.00		Establishment of SWAN To provide minimum 2 Mbps data connectivity up to Block level in all States /UTs in phases to support voice, video and data. As Part of the ongoing Scheme both leased line and wireless based secured network would be created across the country. Implementation activities for SWAN for all 29 States and 6 UTs have been initiated. Facility will be in place either partly or wholly for atleast 15 States/UTs.	Phase wise implementation of network in 29 States & 6 UTs expected.	State Governme nt, would leverage the SWAN as a core network infrastructu re progressive ly to provide G2G services and later G2C services (even below Block Hqrs level when last mile connectivit y would be made available) whose availability is presently confined to the	

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		outreach d. Increased efficiency e. Enhanced transparency f. Improved reliability g. Affordable cost e-Governance programme with the stated objective as mentioned above would be implemented through the National e- Governance Plan (NEGP). Approval of Government has been obtained for the vision, implementation strategy, key Component and Programme Management structure for the National e- Governance Plan. The main features of NEGP are:				State Data Centres State Data Centre has been identified as one of the important element of the core infrastructure for supporting e- Governance initiatives of NeGP. Under NeGP, it is proposed to create State Data Centres for the States to consolidate infrastructure, services and applications to provide efficient electronic delivery of G2G, G2C and G2B services. It is proposed to set up Data Centres across 35 different States/UTs in the country during the 11 th Plan. Common Service Centres (CSCs) Setting up of ICT based Kiosks (1 Lakh) at village level across the country in phases.	Secure and reliable data Repository sharable across various Departments in the State. 20 Data Centres shall be set up / operationalised by March 2008. • Sanction the CSCs proposals for all the remaining 14 States and 6 UTs in the country. • Complete the process of establishment of 100,000+ CSCs in the country	location of the offices providing these services any where anytime over the entire State. To be complete d by March 2008. Time targets will depend on proposals received and States' prepared ness. By 2008	

Chapter – II	Financial	Outlays &	Projected	Physical	Outputs/Outcomes
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Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2007-08 (Rs. in crore) Non- Plan Comp Plan Budget IEBR		7-08 ore) Comp IEBR	Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes /Time basis	Remarks/ Risk Factors
		 Centralised concept - Decentralised implementati on Twenty Seven Mission Mode Projects spread across Centre, State & local Govt. level. One lakh Common Service Centres for 6 lakh villages. Minimum 2Mbps connectivity up to block 			e-District 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 such as Revenue, Food, Basic Education, Social Welfare, Minorities, Forests, Panchayati Raj, Rural Development, Agriculture, Election, Home, Minor Irrigation, Passport, Irrigation, Excise, Finance & Treasuries, Family Welfare, Horticulture, Cooperatives, Transport, Health, Land Records, and Registration etc. for providing services to the citizens. Unique ID	 Implementation of e- District Projects already sanctioned in UP and Assam Obtain financial approvals for the e District Mission Mode Project Conduct pilot in 2-3 districts of 4-5 States. 	By June 2008 By Dec. 2007 By Sept. 2008		
		 5. Effective public – private partnership for long-term sustainability. For well- defined project implementation mechanism, a body serviced by DIT and chaired by PM for providing thrust & drive and an Apex 				To create Common Care Data Base using the existing electoral Data to create Unique ID for all residents. It would curtail requirement for physical verification and help better targeting of Government Schemes.	Complete first phase of Unique ID Project already sanctioned. Complete the work on process studies. Obtain financial sanctions for phase 2 of UID Project & initiate implementation of Phase 2.	By Dec., 2007 Pre- appraisal By April 2007	

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Out (R Non- Plan	tlay 200 Rs. in cro Plan Budget	7-08 ore) Comp IEBR	Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes /Time basis	Remarks/ Risk Factors
		Committee under chairmanship of Cabinet Secretary to oversee implementation and provide strategic directions have been set up. A common platform is being created for the integrated delivery services. This shared platform includes high- speed networks for Data connectivity, Data Centres Common Access Points all over the country (including the remotest areas) and laying down standards that enable and ensure integration. The DIT has set up a professional Programme Management Unit (PMU) for the NeGP to undertake programme				E Bharat The proposed World Bank support (called e-Bharat project) is expected to finance an agreed-upon subset of those NeGP activities (MMPs and program Components) which are most directly related to the objectives of the Bank's Country Assistance Strategy (CAS), after these have received Cabinet approval. On this basis, the project may include a majority of State and Integrated MMPs and all program components. Following the broad criteria to ensure achievement of CAS objectives and in view of large number of potential subproject proposals, the Bank has indicated the under noted MMPs to be most important for its funding, subject to the caveat of Cabinet approval: Gram Panchayats; Agriculture; Municipalities; Employment Exchange; Land Records & Property Registration; E-Districts; Commercial Taxes, and E-Government Procurement.	Ensure improved service levels under the selected MMP, accessible to the common man in his locality, through an integrated service delivery mechanism at affordable costs. Create contemporary infrastructure for the selected MMPs that provides transparent and effective interaction between the Government and Common man (in the rural and urban setting) & businesses ensuring economic growth.	Appraisal by June 2007 Final sanction By Sept.07	

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Ou (F Non- Plan	tlay 200 Rs. in cro Plan Budget	7-08 ore) Comp IEBR	Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes /Time basis	Remarks/ Risk Factors
		monitoring and strategic planning. The PMU has commenced functioning in Department of Information Technology. The PMU will also assist individual Departments in conceptuali- zation and formulation of their projects wherever required.				 Capacity Building Institutional Capacity Building in 28 States and 7 UTs 1. Setting up of CB management Cell 2. Creation of SeMT for various States/UTs 3. Preparation of Training Guidelines 4. Orientation/Training of SeMT & Policy Makers in Phases 5. Preparation of DPR by Sates/UTS 	 Every State/UTs will formulate their own customized State NeGP program CB will provide professional and technical support to Policy Making Body for plan out State NeGP program Enhancing internal technical competency for implementation State NeGP and training program 	April 2007 June 2007 July 2007	
						 Horizontal Transfer of Successful e-Governance initiatives 1) 11 projects in Land Record, Property Regn. and Transport are ongoing which would be completed in FY 2007-08 2) Rolling out of successful pilot projects in Land Record, Property Regn. and Transport is being implemented in the entire State for developing sustainable model for Statewide rollout. 	Capturing best practices of successful e- Governance projects and replicating in other State. This will ensure dissemination of knowledge from one successful implemented to many other places	Continuing activity	

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						 Standards for e-Governance Development and enhancement of Standards in identified areas of concern Development of standards /guidelines in the new areas Aggradations & conformance of standards Publishing of standards/ guidelines on the website 	Ensure Interoperability, integration & seamless data sharing of e-Governance applications	April 2007 onwards – Release of standards/ guidelines in Interopera bility, Data & Metadata, Security, Localizatio n, Quality & other new areas.	
						 India Portal Release and promotion of 2nd version of Portal Maintenance & enhancement of the portal 	Seamless search of govt. information available at the central & state levels and will facilitate Single sign-on to various govt. services & information in turn making citizen interface much simpler & easy.	April 2007 onwards	

:	Sr. Name of Vo Scheme/ Programme	Objective/ Outcome	Outlay 2007-08 (Rs. in crore) Non- Plan Comp Plan Budget IEBR		7-08 pre) Comp IEBR	Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes /Time basis	Remarks/ Risk Factors
						 National e-Governance Service Delivery Gateway (NSDG) Functional Gateway up and running Operations & Maintenance for 5 years 	This soft infrastructure is based on standards will facilitate integration, interoperability & data sharing amongst various stakeholders.	Sept 2007 onwards	
						Conformance Assessment Centre Creation of national infrastructure (region-wise) in terms of skills, knowledge and experience with technical and legal expertise in the areas of Information Security, Software Quality, IT Service Quality, Legal and ethical issues of web sites etc.	 Will help to scale up e-Gov implementation in India and generate confidence Lab Accreditation of Bangalore, Chennai & Kolkata centres Conformity Assessment framework 	April'07 onwards April'07	
						 R&D In e-Governance To start with research activities in various areas where R&D will bring direct benefit would be carried out Various proposals would be build to carry out pilot 	 Applied R&D which would enable bringing innovative solutions which are cost- effective for various e- Governance applications under NeGP 	Continuing activity	

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						 Assessment To carry out: i) e-readiness assessment of the States/UTs ii) Impact assessment of the various e-governance projects implemented both at the Central and State Level against the stated and implied objectives iii) Listing of e-Governance/ICT Development Projects 	The findings of the summary assessment of the various Central and State Level e- Governance projects shall be compiled and shared.	It is expected to complete assessmen t of around 40 National level and State level projects by Sept.07	
						 Awareness & Communication 1. National Awareness Strategy 2. Media plan 3. Communication Needs Assessment 	Will bring overall awareness about the availability of the general information of use to common man.	March 2008	
						Community Information Centres (CIC) 555 CICs at Block level in the 8 North Eastern States providing services	ICT Connectivity and citizen interface for IT enabled e- government services and training.	March 2008	

Sr No	Name of Scheme/ Programme	Objective/ Outcome	Ou (F Non- Plan	Outlay 2007-08 (Rs. in crore) Non- Plan Comp Plan Budget IEBR		Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes /Time basis	Remarks/ Risk Factors
						135 CICs at Block level in Jammu & Kashmir providing services	Faster & Reliable Communication, Timely Access to School Results & Election Results.	March 2008	
						41 CICs in Schools of Andaman & Nicobar and 30 CICs in schools of Lakshadweep Islands providing services	ICT awareness creation and Employment Generation. Better informed citizens with access to citizen – centric and web-based services including e-mail, internet access, agri-market information, hospital bookings, examination results, Govt. schemes, public grievances, local developments etc.	March 2008	

Chapter – II	Financial Out	lays & Projecte	d Physical O	utputs/Outcomes
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Sr. No	Name of Scheme/	Objective/ Outcome	Outlay 2007-08 (Rs. in crore)		7-08 ore)	Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes /Time	Remarks/ Risk
	riogramme		Plan	Budget	IEBR			00313	1 401013
15	Cyber Security including CERT-In, IT Act 2000, CCA and CRAT	Creation, establishment and operation of Cyber Security Assurance Framework. Creation of		33.00		Up-dation of Legal framework structure for formulation, analyzing & enforcement of IT Act 2000.	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.		
		National Cyber Alert System for Rapid identification & response to security incidents. To Promote use of electronic/digital signatures for e- governance and e-commerce				Mitigation and prevention of cyber crimes in the country.	Enhanced web security, effective control of e- commerce fraudulent activities. Containing the effects of cyber security incidents and ensuring business continuity. Latest virus definitions will help implementing proactive measures.		
		applications Training of Law Enforcement, Judiciary and other users.			Promotion of use of Electronic/ Digital Signature Certificates.	Enabling users to proactively implement cyber security measures to reduce the chances of incidents/attacks.			
		Basic research, Technology demonstration and Proof-of concept and R&D test bed projects Thrust areas				A base line for IT Security awareness and skill & competence development in cyber forensics.	Enhanced use of electronic/ digital signatures for e- governance, e-commerce, banking application etc. Training facilities, modules		
		To promote security awareness, Participation and information				Development /enhancement of skills and expertise in the area of cyber security research and development.	Development of indigenous cyber security solutions, Proof-of concept and prototype, and skilled manpower.		

Sr. No	Name of Scheme/	Objective/ Outcome	tive/ Outlay 2007-08 ome (Rs. in crore)		7-08 pre)	Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes /Time	Remarks/ Risk
	Programme		Non- Plan	Plan Budget	Comp IEBR			basis	Factors
		sharing.				Encourage social engineering concepts and public participation	Will create necessary awareness and facilitate information sharing to deal with crisis situations.		
16.	ERNET	To serve educational and research institution and connect on single network		0.10		Upgradation of backbone infrastructure to enable delivery of application • Virtual class room • Digital Library	Delivery of quality education and virtual enhancement of academic infrastructure	6 months	
17.	Promotion of Electronics / IT Hardware Mfg.	Promotion of Hardware Manufacturing in the country at Global level.		1.00		• Supporting the Electronics/IT Hardware industry associations for organizing/participation of the industry in National and International Exhibitions/ Events.	May induce investment in electronics/IT hardware manufacturing sector	March 2008	
						 Supporting the promotion of Mega- fabs/Assembly & Test Manufacturing (ATM) and High-tech industries in the country. 			
18	DOEACC	To carry out HR Development in Information Electronics & Communicatio ns Technology (IECT). To produce quality professionals through Long Term & Short Term Courses	1.70	0.50	54.59	DOEACC Scheme O/A/B & C Levels (Non-Formal Sector of IT Education & Training) Half Yearly Examinations. -20,000 students are embedded to qualify at various Centres of courses during the year 2007-08 DOEACC Centres to conduct training for Formal Sector Long Term Courses (M.Tech, MCA, BCA, PCDCA Diploma in EE & CS otc.) 1270	IT Trained Professionals will be available for the industry for employment and will be contributing to the economy.	July.,07 & Jan.,08 Conduct Examina tion & Issue Certificat es Annual / Semester wise exams	Recogniti on of course other than O/A/B/C Courses and courses affiliated to State Universiti es being offered by
		in the Non- Formal Sector.				To conduct training for Non-Formal Sector		Annual / Semester	DOEACC Society and its Centres.

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	e/ Outlay 2007-08 (Rs. in crore) Non- Plan Comp Plan Budget IEBR		7-08 pre) Comp IEBR	Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes /Time basis	Remarks/ Risk Factors
						Long Term Courses (DOEACC O/A/B Level courses, DOEACC Bioinformatics O/A Level courses – 3500 students. Hardware Courses at O/A Level – 3500 students. Training for Short Term courses of		wise exams Batch- wise exams	
						duration less than one year – 13,800 students.			
19	Manpower Developm ent	e-learning		43.00		Data Compression Techniques and its Application to E-Learning/ Education	To develop set of Compression Algorithms for images/videos	Sept.,07	
						Development of Interactive Learning material on Introduction to Animation and Multimedia	Finalisation of specification, Software / Hardware procurement & installation, Resource mobilisation, Content development	May 2007	
						Content based Streaming and Real-Time- Regional Language Captioning of E- Learning Video Data	Development of content based compression algorithm	Sept.,07	
						Quality Assurance Framework, Quality metrics, and prototype tool for evaluation and comparison of e-learning applications and training	Literature survey, enhancement of e-sikshak framework by collecting inputs for QAF project	March 2009	
						Open source content delivery tools	Web application source code in different packages, documentation	November 2009	
						Design and Development of e-learning contents for e-security solution developers	e-Learning Contents on e- security	October 2008	Technologi cal Risks,

Chapter – II	Financial Outlay	s & Projected	Physical O	utputs/Outcomes
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Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Ou (F Non- Plan	tlay 200 Rs. in cro Plan Budget	7-08 pre) Comp IEBR	Quantifiable Deliverables/Physical Outputs Projected	Outcomes	Processes /Time basis	Remarks/ Risk Factors
		Human Resource Developmen t in the country in the area of Information Security.				 Launching/continuation of Information Security Curriculum at B.Tech/ M.Tech/ Ph.D levels and train System Administrators; Installation/ commissioning 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. 	fied IT sionals for ce and he area of ecurity. onment for ce and	March 2010	High Attrition rate, non- availability of students who could take up these courses, Delay in permission by institutions to offer these courses from UGC, AICTE, etc.
		Human Resource Developmen t in VLSI Design and Related Software				 Completion of the VLSI Design Lab establishment at 32 Institutions Four Instruction Enhancement Programmes (IEPs) for faculty of 25 Participating Institutions (PI) Conduct a Workshop involving International Guest Faculty Hosting of VLSI Design Resource Website Manpower generation in the area of VLSI Design 	lability of ntric he VLSI ลct of R&D culture n.	July.,07 Mar.,08 Dec.,07 Dec.,07 July.,07	The scheduli ng of the IEPs depends on the RCs and may shift accordin gly. Students intake depends on health of the VLSI
		Productivity and employment Generation				 Setup new demonstration projects in different clusters of industries. Set-up Common facility Center Initiate R&D programme 	sed different nomy	New demonst ration projects in the	design industry. Subject to the administrati ve approvals

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								different sector, common facility center	
		Implementa tion of Internationa lized Domain Names (IDN)				Creation of Language Character & Variant Tables with language & implementation policy rule set for Domain Name registration in Tamil, Malayalam, Hindi, Marathi, Bangla, Assamese, Urdu & other Indian languages.	Hosting of larger number of local language websites, internet users, development of search engines in Indian languages	Launch of Hindi, Tamil and Malayal am during April – May 2007.	Similarity in Indian Languag e fonts may create phising problem
		Quality of Service Nationwide Network Testbed				Establishment of architecture, bandwidth protocols best suited for assured Quality of Service (QoS) for Applications viz, Distance Education, Voice over IP and Videoconferencing	Establishment of a set of Standards, protocols for QoS assured networks for IP based applications and services namely, Distance Education, Voice over IP and Videoconferencing	QoS guarante ed network architect ure establish ed	The QoS testbed would not be efficiently utilized if not opened to ISPs for testbed experimen tal activities.
		NIXI – Establishme nt of NIXI hubs				5 NIXI hubs will be established - to provide smaller ISPs connectivity an exchange points	Peering facility to all ISPs. Also IP traffic less clogged for the end users much faster Internet speeds	March 2008	Bigger ISPs may not join.
		Establishme				A National Internet Registry will be		The	Several

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Ou (F Non- Plan	Outlay 2007-08 (Rs. in crore) Non- Plan Comp Plan Budget IEBR		Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes /Time basis	Remarks/ Risk Factors
		nt of a National Internet Registry for India. Government al Advisory Committee (GAC) Secretariat Activities				established in India by March 2008 The GAC Secretariat is established in DIT, India.	IP address allocations for India and the Asia Pacific Countries more responsive to demand The GAC Secretariat would be principally involved with the functions of Secretariat.	activity will be initiated by April 2007 Hosting the ICANN meeting in Deb.07 and IGF meeting in 2008 in India	issues of contentio n may come up. Shortage of manpow er support
		Connecting ERNET India with European Research network GEANT				To facilitate connectivity between the two region to support current and potential cooperative research activities for collaborative research networks with reputed academia and research institutions of other EU countries.	Collaborative research by scientists & experts in real- time R&D environment.	Dec,07-08	
		Digital Library Initiatives				Digitizing and preserving books, manuscripts etc.	Strenthen Country's indentity by digitally preserving the national heritage and intellectual output	March,08	
20	Integrated Township and Consultancy for such establish- ments	Establishment of State-of-the- art integrated townships to facilitate IT/ITes/BPO industries.		1.00		DIT would provide consultancy to State Government for setting up Integrated modern Townships with special focus on IT/ITES/Electronic hardware industries.	Development of Integrated Modern Townships with provisions of road connectivity, link to airports, provisions of reliable power, water and appropriate infrastructure for education and health for IT/ITES Industries demand.		The process may be slow in the absence of appropriat e initiative from the State Governme nts.

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21	Headquarter	 Secretariat & Bldg. Foreign Trade Exhibitions Others - Seminars/ Workshops 	19.00 3.10 0.80 0.50	12.80	-	 To meet running expenditure of the Secretariat and Plan Schemes CST re-imbursement of STPI units To organise exhibitions abroad for promotion of Trade To organise seminars/workshops for development of electronics in IT 	 To run office smoothly. Export promotion Trade promotion Development of electronics in IT 		
22	NIC	NIC provides wide range of E-Governance infrastructure and services in the country at various levels right from central government, state governments to district administration s in their initiatives towards providing Good Governance to the people.		320.00		 Cyber Security Firewalls, IPS, IM software and Servers, Application Firewalls, Gateway security appliances Certifying Authority DSC in USB tokens Multiple Classes & Type of Certificates Minimum Replica of existing infrastructure Strengthening of Existing District Centres to support "National Mission Programmes" (NMPs) Strengthening selected districts. 	To secure NICNET Servers and Services Enhancement of CA services for promotion of e- governance Setting up of redundancy/Fail-over infrastructure To support National Mission Programmes & National efforts in bridging Disparities and Divides	Tender March 2008 Dec.,07 March 2008 Tender March 2008	

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						Grassroots Informatics Development (GRID) Project Design, development and implementation of "Demand-Driven" Knowledge Portal facilitating "Value Chain" and "Citizen Centric" Mode Capacity Building for entrepreneurial skills development	To focus on bridging various disparities and divides at grassroots level, through mainstreaming ICT. To adopt strategies for effective communication and public awareness, An ICT-triggered rural knowledge revolution	Dec.,07 March 2008	
						Computerisation of Land Records			
						Product certification for 4 new states;	Application software product certification	July 2007	
						Methodology for target states (10) regarding uniform coding ;	Uniform Coding scheme of various Land attributes in States with Dept of LR, GOI	Sept.,08	
						4 states which have already obtained quality certification would be subjected for security audit and hardening ;	Strengthening security of land records systems	January 2008	

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						WEB based access to ROR for next 10 states	Websites for next 10 states	Feb 2008	
						SMART Village Project Pilot Panchayat	To introduce and promote cost effective and appropriate ICT for use in rural areas	March 2008	
						E-Governance Applications & Solutions Setting up of infrastructure for productisation	To establish Centre of Excellence in e-gov (applications & solutions) for redeployment of existing applications under new conditions. To provide a platform for scaling up and replicating critical e-governance applications.	March 2008	
						Natural Disaster Knowledge Management Network Programme Support to NDMA	To develop low cost ICT solutions for Disaster Management	March 2008	

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						Horizontal Transfer of Information Technology Enabled System (ITES) Products Horizontal Transfer by enabling - localization of ITES Products; Capacity building for product ; services and support ; and Rollout.	To promote faster and cost effective adoption of ITES products, uniformity & quality in service across several organizations, easy integration of database at different levels.	March 2008	
						E-Governance Standards Development Programme Technical Standards; Data Standards in e-Governance domains ; and Localisation and Language technology areas	Establish the Centre for development of standards identified and to work on the key areas identified by the working groups.	March 2008	
						Development of Multimedia Tele- conferencing facility. Multipoint Control Units at Hyderabad and other states	Decentralizing of Videoconferencing services from Hyderabad other states.	Septem ber 2007	
						New Equipment augmented in selected states and VC centers	Replenish/augment the hardware to enhance the service capabilities	Feb 2008	

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Out (F Non- Plan	tlay 200 Rs. in cro Plan Budget	7-08 ore) Comp IEBR	Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes /Time basis	Remarks/ Risk Factors
						Automation and Networking of Libraries and Integration of Knowledge Resources Replicating of Library Software in 28 District Libraries Digital Preservation & Information Life Cycle Management of Government Information	Integration of libraries and Knowledge Resources	March 2008	
						National Summit on "DP&ILM" Development of Geographical Information System and Infrastructure over NICNET HW/SW procurement; GIS Data Products; Integrated Spatial Data Services; User based application projects and Trained/GIS skilled NIC Manpower	 Integrated Content Archiving(ICA) Enterprise Federated Search Implementing Enterprise Content Management System Information Life Cycle Management(ILM) Establishing a Digital Repository Setting up/ strengthening of spatial data infrastructure facilities at NIC Hqr. and selected states & districts. Spatial Data Development 	Dec.,07 Tender March 2008	
							Setting up integrated Image & GIS Services Human Resource Development and Training		

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Out (R Non- Plan	tlay 200 Rs. in cro Plan Budget	7-08 ore) Comp IEBR	Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes /Time basis	Remarks/ Risk Factors
						Utility Mapping Project Base map updation and training to utility agency officials.	 Base map updation Maintenance of Metropolitan Area Network (MAN). Technical assistance to utility agencies. 	March 2008	
						Info Highway Project Procurement and installation of Hub and related equipment	 Setting up of latest technology VSAT HUB to enable backup VSAT link for 2 Mbps leased line circuits at districts at 1:25 ratio 	Procure ment & installat ion - March 2008	
						Procurement and installation of necessary equipment. Data Centre	 Setting up of disaster recovery center at NIC Hyderabad for the DVB VSAT network. 	Procure ment & installati on - Dec 2007	
						 Procurement of HW/SW Site Preparation Outsourcing of Services for Data Centre Operations Installation of Midrange storage & Enterprise class Tape Library 	 Set up state-of-art National Data Centre at NIC 24x7 support for Data Centre operations to ensure 24x7x365 service availability Data/applications backup 	Tender /RFP Mar.,08 May.,07 Mar.,08	

Sr. No	Name of Scheme/ Programme	Objective/ Outcome	Ou (F Non- Plan	tlay 200 Rs. in cro Plan Budget	7-08 pre) Comp IEBR	Quantifiable Deliverables/Physical Outputs	Projected Outcomes	Processes /Time basis	Remarks/ Risk Factors
						e-learning Procurement of contents DISNIC-PLAN: IT for Micro-Level Planning Establishment of DISNIC programme in Pilot districts	 Setup learning portal & content material To usher in "database based planning" by building databases, decision support systems, and internet information access for facilitating grass-root level planning in a meaningful way; To promote informatics tools in micro level planning to strengthen analytical capability in districts; To develop necessary infrastructure facilities in the District Planning Cells to handle both spatial and non-spatial information in an integrated manner; To provide necessary training to narrow-down the gap between the planners and various subject specialists in districts. 	January 2008 Tender /EOI March, 2008	