Sl. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2014-15 (Rupees in crore)			Quantifiable Deliverables/ Physical Outputs	Projected Outcomes	Process/ Time basis	Remarks/ Risk Factors
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1	**Electronic Governance (including (i) Programme on "Good Governance" and Best Practices; and (ii) Programme on enabling all schools with virtual classrooms) and National e-Governance Action Plan (NeGAP)**	National e-Governance Plan (NeGP) was approved by the Government on 18th May 2006 with a common vision, implementation methodology and management structure. It comprises 31 Mission Mode Projects (MMPs) having a singular mission to make all Government services accessible to the common citizen in his/her locality, through efficient, transparent and reliable mechanisms. To realize the vision of NeGP, the Department of Electronics and Information Technology (DeitY) has been entrusted with laying an elaborate common ICT infrastructure platform for the use of all MMPs. The common program support components are aimed at creating the	-	1230.00 (475.00 + 755.00) (Incl. 60.00 + 76.0 Cr. for NER)	-				The Plan allocation of `1230 crore include `475 crore for Electronic Governance (*incl. `100 crore for World Bank Project, `100 crore for Good Governance and Best Practices and `100 crore for Programme on enabling all schools with virtual classrooms*) and `755 crore for NeGAP.
						Standards for e-Governance			
						• Publishing of Localization Guidelines	• Document on Guidelines for Localization	•31 Mar 15	
						• Publishing of Interoperability Framework for e-Governance (IFEG)	• IFEG document	•31 Mar 15	Lack of interest by domain owners

Financial Outlays & projected Physical Outputs/Outcomes for 2014-15

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		right governance and institutional mechanisms, core infrastructure, policies & standards and the necessary legal framework for adoption of e-Governance in the country. The plan is being implemented at the central, state and local Government levels.Under the programme, a robust e-infrastructure is being created to facilitate deployment of ICT solutions by various Departments and state Governments. Significant progress has been made in the implementation of the core infrastructure components and also in most of the Mission Mode Projects.				• Publishing of Release and Change Management for Standards	• Release and Change Management document	•31 Mar 15	
						• Publishing of Framework on adoption of OSS	• OSS Framework document	•31 Mar 15	Non readiness of industry for new standards.
						• Completion of domain MDDS for Education, Urban Development, Agriculture, Panchayati Raj & Health initiated and Drinking water and sanitation	• Domain MDDS documents for these domains	•31 Mar 15	Resistance by industry
						• Develop & notify more Technology Standards in Interoperability Framework for e-Governance (IFEG)	• 25 more technical standards notified	•31 Mar 15	Resistance by industry
						• Develop & notify few additional standards for Demographic MDDS	• Additional standards for date & age for Demographic MDDS	•31 Mar 15	
						• Develop & notify Keyboard layout Standard.	• Document on Keyboard layout Standards.	•31 Mar 15	
						• Develop & notify Mobile	• Document on	•31 Mar 15	

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						web Standards.	Mobile web Standards	•31 Mar 15	
						• Revision of eSAFE document.	• Updated eSAFE document	•31 Mar 15	
						• Develop guidelines for delivery Channels for Mobile	• Document on guidelines for delivery Channels for Mobile	•31 Mar 15	
						• Set up Centre of Excellence for eGov Standards	• Centre of Excellence for eGov Standards		
						• Organize 8 workshops on MDDS/ OSS/ IFEG/ Standards			
						State Data Centres (SDC) • 23 SDCs have been declared operational (Tamil Nadu, Puducherry, West Bengal, Andhra Pradesh, Meghalaya, Karnataka, Manipur, Orissa, Sikkim, Haryana, Kerala, Maharashtra, Gujarat, Tripura, Rajasthan, Nagaland, Uttar Pradesh, Andaman & Nicobar, Madhya Pradesh, Lakshadweep, Chhattisgarh, Jammu & Kashmir and Mizoram).	Secure and reliable sharable infrastructure to host data and applications. State Data Centre will help in providing efficient electronic delivery of G2G, G2C and 2B services.	By the end of March, 2015, the SDCs in four additional States/ UTs would be implemented and made operational.	The factors at the State level which may lead to delay in the execution of the project are: • Delay in identifying, or change in the site, and handing over the site to the selected Bidder.

Financial Outlays & projected Physical Outputs/Outcomes for 2014-15

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						• Implementation of SDC is in progress in 1 state (Bihar) and contract Sign off to start the implementation is on progress for 3 States/UTs (Assam, Dadar and Nagar Haveli and Daman & Diu). 2 states (Himachal Pradesh and Punjab) are undergoing bid process management for selection of a Data Center Operator (DCO), and 4 states (Uttarakhand, Arunachal Pradesh, Jharkhand and Goa) are in the process of finalizing their SDC RFPs to initiate a competitive bid process. 2 states (Delhi and Chandigarh) have opted out of the scheme. • 18 states are utilizing more than 50% of the SDC infrastructure (percentage of rack space utilized). • Further, in order to make SDCs Cloud enabled, DeitY has sent a template RFP to		Also 5 More States/UTs would utilise their SDC more than 50%.	• Delay in provisioning of raw power for the SDC. Delay in awarding LoI and Contract to the selected Bidder. Delay in the completion of the Final Acceptance Test.

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						select states for initiating a bid process for Cloud enablement in the SDCs. Sates/UTs are in process of RFP finalisation/Bid process for the same.			
						Common Service Centres (CSCs) • Rollout of CSC in all 36 States as per the mandate of CSC Scheme • To achieve 70% transacting CSC at least in 26 states/UTs (consolidated) • Conduct study and analyze on values of stakeholder, mid-terms correction, funding guidelines for future CSC and standardization of services • Enhancing the Online Monitoring Tools (OMT)	• Operationalised 100% CSCs in 36 States/UTs • 70% transacting CSC at least in 26 states/UTs (consolidated) • Advises/guidelines would be issued in line as mid-course correction. • OMT to monitor and analyzed CSC	The projected deliverables would be achieved by March 2015.	CSCs roll out has been delayed due to non-availability of broadband connectivity and power, and left wing extremism activity. Further, termination of contracts with private Service Center Agencies, due to non-performance has also impacted the operationalisation of CSCs. Finally lack of e-

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						• Adding bouquet of services	activities, connecting various service portal, single sign on. • Achieve transaction on eTaal through CSC		services has impacted the sustainability of CSCs.
						e-District • State Project Management Unit (SPMU) deployment in all 36 States / UTs. • 100% District e-Governance Societies (DeGS) to be formed in all 36 State / UTs. • Selection of Implementing Agencies for in all 36 States/ UTs. • 325 districts (including pilot districts) have gone live under e-district project • G2C Services under 5 mandatory service categories and 5 optional service categories have been envisaged under e-District project.	Selection of Implementing Agencies for all States/ UTs. Implementation of e-District in at least 220 additional districts.	By March 2015, e-District project will be implement ed in 220 additional districts.	The e-District MMP is to be implemented at the State Level. The State Governments will need to identify services to be delivered under the e-District MMP, undertake BPR and computerization and thereafter ensure delivery of these services to the citizens. There have been

Financial Outlays & projected Physical Outputs/Outcomes for 2014-15

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									thrust on increase in no. of transactions against services under e-District project. However, no. of transactions depends upon type and time period of services to be delivered.
						State Portal (SP), State Service Delivery Gateway (SSDG) & Electronic Forms • Facilitating Services through CSC/Online by enabling Implementation of State Portal, SSDG, e-Form Application and Gap Infrastructure. • The scheme of ensuring delivery of services through CSC/Online by enabling the SP, SSDG, e-Form Application implementation	• Provide easy, anywhere and anytime access to Government services (both informational & transactional). • Enable integrated service delivery by Online/Offline filing of application at CSCs/self through	31.03.2017 31.03.2017	Delay at the State/UT level in finalization of Contract, Agreement, and various deliverables of the project.

Financial Outlays & projected Physical Outputs/Outcomes for 2014-15

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						and gap infrastructure under NeGP has been approved with a total outlay of Rs. 300 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 the Portal.	State Portals. • Intelligent routing of forms to the destination field office by SSDG.	31.03.2017	
						• Proposal approved for 33 States/UTs. • 31 States/UTs have floated the RFP for the selection of the Implementing Agency for the project.	• Enable assured electronic delivery, acknowledgement and status tracking of application.	31.03.2017	
						• 4 States/UTs are in process signing Contract with the selected Agency	• Reducing number of visits of citizens for availing the services.	31.03.2017	
						• 8 States/UTs are in the implementation phase. • 19 States have gone live	• Reducing administrative burden and service fulfilment time & costs for the	31.03.2017	

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							Government, Citizens & Businesses. • Reducing direct interaction of citizen with the Government and encourage 'e'-interaction and more efficient communication through portal. • e-Repository of Government Information and services with a standard-based messaging switch and provide seamless interoperability and exchange of data across departments. MIS reporting at the State level.	31.03.2017 31.03.2017	
						GI Cloud (MeghRaj) • A Task Force was constituted by DeitY under the Chairmanship of Additional Secretary, DeitY	The outcome envisaged from the project is to have	The entire process of coming up	The focus is to make Govt. Department and

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						with a focus to bring out the strategic direction and implementation roadmap of GI Cloud leveraging the existing or new infrastructure. Based on various discussions and inputs provided by the Task Force and subsequent industry consultations, 2 reports namely GI Cloud Strategic Direction Paper and GI Cloud Adoption and Implementation Roadmap have been approved by DeitY. • As a part of the Cloud initiative, the e-Gov Appstore proposal has been approved at a total outlay of Rs. 81.19 crore after launch of the pilot by the Hon'ble Minister of Communications and IT. The work on the project has been initiated by NIC/NICSI, which is the implementing agency for the project. • The first National Cloud by NIC has been launched on 4th February 2014. • SFC has approved the constitution of Cloud Management Office (CMO) for GI Cloud "MeghRaj" with the total outlay of Rs. 82.04	multiple National Clouds available under the umbrella of MeghRaj, which can meet the requirement of ICT for the Govt. Departments/ Ministries for the entire country. First National Cloud under MeghRaj is already made operational, wherein 24 departments have already consumed approx 140 virtual machines	with required process document, policies, guidelines etc including the empanel-ment/ selection CSP, CAP is expected to be completed by March 2017	Ministries aware and knowledgeable about the cloud concept. Conducting technical sessions on Cloud. Clear processes, policies , security norms and guidelines to be defined by the Govt. for smooth uptake by users.

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						Cr for the period of four years. CMO will have three functional groups which will be responsible for: i. Preparation of Process documents, policies, guidelines, templates and identification of relevant standards for GI Cloud. ii. Preparation of RFP and conducting Bid process for empanelment/ selection of Cloud Service providers, Cloud Application providers and Cloud Auditors ii. Conducting training and awareness workshops for departments and ministries and providing handholding support for migrating to Cloud.			
						Rapid Replication of Applications • Proposals on rapid replication of 5 applications have been approved by DeitY. The Applications are e-Pass of CGG Andhra Pradesh, XLN from NIC Gujarat, e-Hospital from	**ePass:** •Implementation of the application in 4 states •Productisation of the Application	**e Pass** • Implementation completed in HP, Tripura &	The factors at the State level which may lead to delay in the execution of the project are: • Delay in Data Digitization by

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						NIC Tripura, Meeseva from DIT Andhra Pradesh, and HRMS from NIC Himachal Pradesh. • 2 applications namely XLN and HRMS have been productized and work is in full swing for customisation and productisation of remaining applications by the owner states as per the requirements of the seeker states. • In order to provide efficient delivery of services, the applications are envisaged to be hosted on Cloud at a later stage.	**HRMS:** • Implementation in Jharkhand • Productisation of the Application **Meeseva:** • Componentization of the Application • Integration of the components in the seeker states • Productisation of the Meeseva Components	Karnataka. Implementation in Jharkhand by Jul '14. • Productisation by Sep 14 **HRMS** • Implementation and productization to be completed by Dec '14. **Meeseva** • Componentization and subsequent integration in the states to be	the Jharkhand state. • Delay in dept. Data Digitization by the Jharkhand state • Frequent changes of requirements by seeker states may delay implementation • Delay in Infrastructure procurement and LAN commissioning in the hospitals may cause delay.

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								completed by Sep '14.	
							XLN • Implementation in 4 seeker states • Productisation of the Application	**XLN** • Implementation completed in all the 4 seeker states in Jan '14. • Productized version of XLN Application hosted on eGov AppStore in Feb '14.	
							eHospital • Implementation in 3 hospitals in Karnataka • Productization of application	**eHospital** • Implementation to be completed by Jul '14. • Product-	

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								ized version available and only localiza-tion is required for roll out.	
						Awareness & Communications: • Rural Outreach Programme to spread awareness at grassroot at 3000 CSCs	• To target covering 3000 CSCs and reach out to approx 2 Lakh population	• To be completed by March'15	
						• Mass media campaign (TVC/Radio Sponsored programme/TV Series) for brand building	• Spread mass awareness through Electronic Media	• To be completed by March'15	
						• National Conference on e-Gov in partnership with DARP&G		• Yet to be scheduled	

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						• State Consultation Workshops for advocacy within Govt & Industry	• 5 State Workshops	• To be completed by March'15	
						• Workshops in Universities and institutions.	• 5 University level workshops	• To be completed by March'15	
						• Exhibitions/Seminars by external agencies	• 5 Exhibitions to be supported.	• To be completed by March'15	
						e-Pramaan • Procurement of infrastructure for Development, Testing & Implementation for staging environment • Staging environment setup at Mumbai • e-Pramaan Design (Including Design of Modules/Components)	**For Citizen:** • Single Window Access • Secure Communication • Strong Authentication • Mutual Authentication for websites	By March 2015, the following deliverables will be completed : • Identifi-cation and development of e-Authentica-tion Standards for e-Pramaan	

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						• Development and Implementation of API / Modules for Integration • Testing and deployment (including STQC Certification) • Guidelines for e-Pramaan integration • Procurement and set up of required infrastructure for ASA set-up • ASA production level implementation(DC and DR) • Testing and Deployment (including STQC Certification) • On-boarding guidelines for AUA, ASA	**For Departments:** • Saving cost, time and other resources • Obviates the need of departments being AUA • Provide ASA services • Centralized AUA/ASA service – so implementation issues, reporting, fraud monitoring etc will be handled at one place • Authentication as a Service • Based on well accepted industry standards and protocols • Service can go for customized	project. • Launch of Level 1 and 2 Authentications as a Service • Development of API's for integration of the authentication components with Govt applications • Web interface for departments and users to enlist and register respectively on e-Pramaan. • Provisio	

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							authentication chaining	ning of ASA Services as per UIDAI standards with DC and DR setup • On Boarding of 12 departments to avail C-DAC's ASA services	
						Capacity Building Scheme • The CBMC facilitated the deployment of 258 professionals in 36 States & UTs and 8 orientation training programmes for them. • Various training programs, workshops and meets have been regularly conducted under Capacity Building scheme e.g. a. 29 Leadership Meets for Ministers/MLAs and senior	• The Capacity Building Scheme Phase II will be implemented after completion of existing scheme in January 2015. • e-Governance Competency Framework is under development which will provide	31.01.2015 31.01.2015	• Difficulty in recruiting persons with requisite skill sets due to limited capacities in market and in Govt. • Recruitment & Training

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						government officials have been conducted across 26 States/UTs b. Specialized Training for e-Governance Programme (STeP) of courses in e-Governance specifically in the areas like government process reengineering, business models & PPP, project management, regulatory framework for e-Governance, technology management etc. Till date 228 traing programs have been conducted covering 6437 participants across36 States/UTs c. Thematic Workshops to share best practices and to create a platform for cross-learning. NeGD has also conducted 4 domain specific thematic workshops namely capacity building & change management, technology management, RFP toolkit and detailed project report (DPR) preparation & evaluation. d. Chief Information	guidelines for deployment & development of right skills required for implementing e-Governance projects. • DPR for setting up of for e-Governance Academy has been developed and approval is under process for EFC. • Existing trainings to be continued, to cover officers at all levels and new programmes to be introduced. • Training programmes through e-learning mode to be carried forward on a larger scale. • Develop the NeGP portal as knowledge repository of content in different areas of e-Governance.	31.03.2015 31.01.2015 31.01.2015 31.01.2015	Programmes require active participation from the States/UTs. • Identification of the right persons by the State/UT and relieving them for e-Governance trainings.

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						Officers (CIO) program for Chief Information Officers from central line ministries and states. 7 programs covering 153 participants • A Knowledge Management collaboration portal with an active community of more than 800 members is currently being managed at www.mynegp.com. It is an active forum for discussions, information sharing and announcements and is engaging the community of SeMTs, e-Governance practitioners (government officers) and NeGD employees. • The detailed project report (DPR) for CB scheme phase-II has been prepared and approval is under process for EFC.			
						World Bank assisted "India: e-Delivery of Public Services" Project • A total of 44 projects with			Following risks

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						a total outlay of Rs. 706.38 crore have been considered under e-Bharat scheme for funding assistance. • A total of 33 projects amounting to Rs. 445.33 crore have been approved till date. Funds for 27 projects have been released to the implementing agencies in various states/UTs till date. In addition to above, • DeitY has identified some projects which may be considered as national initiatives as they are cross cutting in nature such as Project for Election Commission of India, Integrated Dairy Management System of Tamil Nadu and e-Legislature project for Andhra Pradesh & Himachal Pradesh. • DeitY has also identified projects which may be considered as pilot projects for national Mission Mode Projects in the respective	• DeitY proposes to use this support to funding of various e-governance initiatives of GoI and States/UTs in the broad areas of policies, human resources, technology, project development and projects. • 5 more PRSGs for 44 approved projects • Facilitating approval of 11 projects • Release of funds for 11 projects • Monitoring of approved projects	• Rs. 100 Cr may be released for some of the approved projects by end of March 2015. 31.03.2015 31.03.2015 31.03.2015 31.03.2015	have been envisaged: (a) Delayed response of State on queries/ document sent by DeitY (b) Delay in approval process at DeitY (c) Delay in getting NoC from concerned Ministry

Financial Outlays & projected Physical Outputs/Outcomes for 2014-15

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						domains, namely e-HMS & Supply Chain Management for Drug warehouse, Andhra Pradesh and e-Gov initiatives for Education Department, Himachal Pradesh. • DeitY has approved 5 projects under rapid replication initiative, namely, ePASS, XLN, eHospital, eHRMS, Mee Seva. • Some projects have been identified to be developed as products which will be made available on the e-Gov Appstore for implementation in other states. These projects are: a. Integrated Weavers Management System (IWMS), Tamil Nadu b. Mobile-Based Services for Department of Tourism, Goa c. Integrated Dairy Management System of Tamil Nadu d. e-Legislature project for Andhra Pradesh & Himachal			

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						Pradesh.			
						National Service Delivery Gateway (NSDG) NSDG is a middleware infrastructure acting as a standards based routing and message switch de-linking backend departments from front-end service access providers. It facilitates standards based interoperability and integration to existing and new e-governance applications.	Integration with various e-Governance applications in order to bring more services onboard NSDG		Readiness of the departments for the interoperability and data sharing is a likely risk factor.
						Mobile Seva (Mobile Governance) Initiative Mobile Seva has been developed by DeitY as the core infrastructure for all Government departments and agencies in the country for enabling the availability	• To integrate Government departments and agencies at central, state and local levels with the Mobile Seva		Delays could occur in identification of mobile based public services

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						of public services through mobile devices. Mobile Seva enables the integration of the mobile platform with the common e-Governance infrastructure consisting of State Data Centres (SDCs), State Wide Area Networks (SWANs) and State and National Service Delivery Gateways (SSDG/NSDG). It enables a Government department to integrate both web and mobile based services seamlessly and enhances the access to electronic services tremendously due to the very high penetration of mobile phones, especially in rural areas. It provides all possible mobile based channels for delivering services, such as SMS, USSD, IVRS and mobile applications (apps). Availability of government-wide shared infrastructure and services enable rapid development and reduced costs for the departments in	platform. • Enhancement in number of services available to citizens and businesses over Pull SMS. • Increase in number of live m-apps on Mobile Seva AppStore. • To ensure seamless interoperability of services and implementation of short and long codes for public services across multiple service providers.		by the central and state Government departments and agencies, in developing suitable applications for them, and in integrating them with the MSDG.

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						rolling out electronic services.			
						Localization Projects Management Framework Localisation Projects Management Framework (LPMF) project envisages to make Government services available to the citizens in their own languages. Under this project, DeitY has entrusted Centre for Development of Advanced Computing (C-DAC) with the responsibility of assisting various Ministries / Departments in localization of the online applications of their Mission Mode Projects (MMPs). C-DAC is carrying out this task through the use of a LPMF being developed over a Cloud platform.	• To provide surface localization to MMPs. • Development of an online framework for localization of websites and applications under MMPs • Gap analysis to evolve localization best practices & guidelines. • Development of standard interfaces for localization tools, transliteration and machine aided translation, etc.		• Extent of translation using surface localization plug-across different websites did not have a uniform pattern. • Various challenges in translating pdf documents, such as scanned pdfs, retention of format of original pdf after translation, etc.

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							• To leverage TDIL research outcomes. • Assist MMPs in designing RFPs to include specifications related to localization standards & best practices. • Training to system integrators & application developers on localization of MMP web portals & applications.		
						Electronic Transactions Aggregation and Analysis Layer (e-Taal) e-Taal is a web portal developed by NIC for aggregation and analysis of e-Transaction statistics of central and state level e-	To develop e-Taal 2.0		Efforts has made by DeitY to build web services of state for various application with e-Taal.

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						governance projects including Mission Mode Projects. It receives e-transaction statistics from web based applications periodically on near real time basis and presents status on actual utilization of various applications running at various locations. It also presents quick analysis of transactions counts in tabular form as well as graphical form to give quick view of the category and number of transactions done through e-governance projects. e-Taal provides visibility for the national / state level e-governance services.			
						Programme on enabling all schools with virtual classrooms			Suitable programmes/ projects/schemes would be formulated/ evolved under this programme by e-Governance in consultation

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									with the Dept. of School Education, Ministry of HRD for implementation.
2	**National Informatics Centre (NIC)**	Provide wide range of E-Governance infrastructure and services in the Country at various levels right from Central Government, State		800.00 (Incl. 80.00 Cr for NER)		**Cyber Security** Network and application security audit and hardening systems and Securing Data Centres; Enhancement of security at NIC State Centres;	Enhanced security of NICNET and services	March, 2015	

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		Governments to district administrations in their initiatives towards providing good Governance to the people.				**Certifying Authority** • Enhancing the use of DSC in G2G domain • Online Directory Service for DSCs & CRLs.	DSCs to be issued to Govt. and PSU employees to meet the requirement. Setting up of new RA offices in NIC State/District Units & User locations.	March, 2015 March, 2015	

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Sl. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2014-15 (Rupees in crore)			Quantifiable Deliverables/ Physical Outputs	Projected Outcomes	Process/ Time basis	Remarks/ Risk Factors
			Non-Plan	Plan Budget	Comp IEBR				
						Design, Development, implementation of e-Governance application at various locations/sites in sectors such as:		March, 2015	
						• Govt. Procurement (e-Procurement) • Health (e-Hospital) • Office Management (e-office) • Judiciary (e-courts) • Transport (Vahan, Sarathi) • Immigration, Visa and Foreigners Registration & Tracking (IVFRT) • Property Registration • Land Records • Data.Gov • Apps Store • e-Transactions, etc.	• Faster services to citizen • Ease of use for end-users • Better management Resulting in better e-Governance		

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Financial Outlays & projected Physical Outputs/Outcomes for 2014-15

Sl. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2014-15 (Rupees in crore)			Quantifiable Deliverables/ Physical Outputs	Projected Outcomes	Process/ Time basis	Remarks/ Risk Factors
			Non-Plan	Plan Budget	Comp IEBR				
						Videoconferencing infrastructure development • Augmentation of VC facility in States & Districts. • Augmentation of MCU infrastructure at State and NIC-HQ • Expansion of Desktop VC services	• Expansion of web based VC infrastructure in states & districts. • Additional support infrastructure for Multipoint VC sessions. Providing Software based Videoconferencing solution at State level	March, 2015 March, 2015 March, 2015	
						Remote Sensing & GIS Multi_Layer GIS Platform & Infrastructure, Image as well as vector GIS services, priority sector applications & training	Process involves enhancement of existing framework in terms of infrastructure and services.	March, 2015	

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Sl. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2014-15 (Rupees in crore)			Quantifiable Deliverables/ Physical Outputs	Projected Outcomes	Process/ Time basis	Remarks/ Risk Factors
			Non-Plan	Plan Budget	Comp IEBR				
						Data Centre • National Cloud Services to be provisioned from National Data Centres. • Establishment of National Data Centre at Bhubaneswar. • ICT Upgradation of National & Mini-Data Centres of NIC.	National Cloud Services to provision around 3000 Virtual Servers for use various eGovernance Applications. To provide robust and scalable Infrastructure at National Level for eGovernance services.	March, 2015	
						NICNET International Gateway project Gateway Bandwidth will be upgraded.	Enhanced and efficient availability of Internet Services with enough redundancy to run critical services.	March, 2015	
3	**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	-	300 .00 (Incl. 39.00 Cr for NER)	-	The NKN is to inter-connect all knowledge institutions across the country through high speed data communication network to encourage sharing of resources and collaborative research. These would cover about 1500 Institutions comprising of all Universities, Institutions of Higher Learning, and	NKN would facilitate creation, acquisition and sharing of Knowledge resources among the large participating Institutions; collaborative research; countrywide classrooms (CWCR) etc. and help the country to evolve as Knowledge Society.	End of 2014-15	

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			Non-Plan	Plan Budget	Comp IEBR				
		respective institutions/ organisation.				Research. **Likely Target for 2014-15** • 180 institutions/Disctrict would be connected to NKN • Initiation of National Test labs at Shastri Park, Delhi & Pune • Completion of work for 7 NKN PoPs. Work to be initiated for remaining 10 NKN PoPs. • Installation of NTP (National Time Protocol) server • Extending the Data Center storage and Launch of other NKN common services • National Workshops and Regional Technical Workshops • Setting up of NKN international PoPs.			

Financial Outlays & projected Physical Outputs/Outcomes for 2014-15

Sl. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2014-15 (Rupees in crore)			Quantifiable Deliverables/ Physical Outputs	Projected Outcomes	Process/ Time basis	Remarks/ Risk Factors
			Non-Plan	Plan Budget	Comp IEBR				
4	**Digital India Programme and Manpower Develop-ment for Skill Dev. in IT and IT for Masses**	E-learning	-	660.00 (incl. 76.00 Cr for NER)	-	**Fresh new Proposals** **(To be placed before Working Group)** Rollout of OLabs in CBSE Schools across the country Design and development of generic opensource P2P framework for potential use in p2p academic and e-learning management systems	▪ To create the infrastructural and support framework for making Olabs (online labs for schools) accessible and usable by students and teachers across India. This includes level 1 and 2 support, toll free numbers, etc. ▪ To train approximately 30000 teachers across India in effective use of Olabs resources to enhance the teaching learning experience. • To design and develop P2P framework. • To generate the specification document, and at	To initiate new project during 2014-15 (if approved) To initiate new project during 2014-15 (if approved)	**A budget of Rs. 500.00 Crore has been allocated for "Digital India Programe" to be implemented by DeitY. The Programmes/ Projects/Schemes viz. (i) Wi-fi in all Universities, etc; (ii) Broadband Highways to all villages to unite the nation; (iii) Universal Access to Phones; (iv) Electronics Manufacturing; (v) e-Governance: Reforming Government through Technology; (vi) Public Internet Access; (vii) Electronics delivery of**

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			Non-Plan	Plan Budget	Comp IEBR				
							least one implementation of framework in JAVA, which can be used by application developers for making P2P applications. • To implement Brihaspati-4 p2p LMS system using this framework		**services – eKranti; and (viii) Technology for jobs would be formulated/ evolved by various Divisions/ Organisations of DeitY for implementation.**
						New Projects (Recommended by Working Group) ICT based Framework to enhance the teaching and learning experience in large Classroom	Development of framework and interface for the following: - ▪ to deliver the lecture on the diverse portable computing devices carried by the students ▪ for interaction between the teacher and the students both in the class and outside the class ▪ for examination management	The project is likely to be approved in 2014-15 and will continue in 2015-16	

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Financial Outlays & projected Physical Outputs/Outcomes for 2014-15

Sl. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2014-15 (Rupees in crore)			Quantifiable Deliverables/ Physical Outputs	Projected Outcomes	Process/ Time basis	Remarks/ Risk Factors
			Non-Plan	Plan Budget	Comp IEBR				
							(conduct and evaluate short exams/ quizzes/ home assignments)		
						On going projects Design and Development of Context Aware Mobile assisted Augmented Reality Framework for Learning Environment	▪Framework to create augmented reality based e-learning applications for students including design and develop following 3 pilot applications based on the framework: - a. Augmented Reality based Board. b. Augmented Reality based book. c. Augmented Reality based game. ▪To conduct knowledge dissemination program through trainings and workshops.	Sep. 2014	
						Online Labs (OLabs) for	Enhancing OLabs	March,	

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Sl. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2014-15 (Rupees in crore)			Quantifiable Deliverables/ Physical Outputs	Projected Outcomes	Process/ Time basis	Remarks/ Risk Factors
			Non-Plan	Plan Budget	Comp IEBR				
						school experiments - Phase 2	phase 1 experiment for deployment on Android. To be extended for other subject of class 9 and 10. Physics, Chemistry, Biology, Maths for class 11 and 12 will also be covered. Enhancement of the framework for multi-lingual support. M-Learning enhancements to framework to support OLabs on Android tablets.	2015	
						Online Assessment and Evaluation System (OAES) for National Level Certification Examinations	Initiation and development of tool for OAES together with pilot deployment.	Sep. 2014	
						MedSim – eLearning platform for Medical Simulation	To build Medical elearning platform (Medsim) that supports Medical Simulations in two	March, 2015	

Financial Outlays & projected Physical Outputs/Outcomes for 2014-15

Sl. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2014-15 (Rupees in crore)			Quantifiable Deliverables/ Physical Outputs	Projected Outcomes	Process/ Time basis	Remarks/ Risk Factors
			Non-Plan	Plan Budget	Comp IEBR				
							broad areas. Pilot study will be done at two Government Hospital.		
						Development of Personalised and Performance based E-Learning tool for existing E-resources	To Estimate the online learners' proficiency. To improve search engine performance in order to increase user (online learners) satisfaction. This will be integrated with Brihaspati LMS, an open source LMS	Feb. 2016	
						Setting up ICT E-Learning Centres in 204 schools in Srikakulam district of Andhra Pradesh.	To set up e-Learning ICT centres in 204 high schools in rural and tribal area of district Srikakulam to integrate ICT for learning and teaching to improve learning outcomes of rural and tribal children	July, 2016	
						Deployment and	To make		

Financial Outlays & projected Physical Outputs/Outcomes for 2014-15

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			Non-Plan	Plan Budget	Comp IEBR				
						Management of Brihaspati-3 services over NKN for Indian Academia	installations on the servers deployed in NKN network and to maintain and upgrade them in order to provide services of Brihaspati-3 and its upgraded versions to the academic institutes who are subscribing to NKN connectivity. All other services developed in open source which are being integrated with Brihaspati-3 will also be deployed and managed	Feb. 2017	
						Enhancing the outreach of Electronics System Design and training through e-Learning	To develop low cost educational kits and provide the training in the following areas: - • Embedded System Design (ESD) • Designing using	April, 2016	

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			Non-Plan	Plan Budget	Comp IEBR				
							FPGA. Digital Signal Processing		
						Fresh project proposals for E-Learning in development of tools & technologies 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.			
		Development of North - Eastern Region by enhancing the Training/ Education capacity in the IECT Area				Upgradation of six existing centres of NIELIT located at Imphal, Aizawl, Guwahati, Shillong, Gangtok, Itanagar to a full-fledged campus with state-of-the-art labs, classrooms, hostels, staff quarters, etc.	The project would result in enhanced capacity in terms of training/education in IECT sector for the youth of North-Eastern Region.	May 2017	
						Setting up of ten new Extension centres at Senapati and Churachandpur in Manipur; Dibrugarh, Silchar, Jorhat and Kokrajhar in Assam; Lunglei in Mizoram; Tura in	Availability of trained professionals in the IECT area		

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						Meghalaya; Tezu & Pasighat in Arunachal Pradesh. Upgradation of two existing Extension centres located at Chuchuyimlang in Nagaland and Tezpur in Assam. Increase in training capacity from 3,080 per year to 14,400 per year from the 5th year onwards.			
		Scheme to enhance the number of PhDs in the Electronic System Design and Manufacturing (ESDM) and IT/IT Enabled Services (ITES) sectors ['The PhD Scheme']'				1500 PhDs for ESDM (500 Full-time +1000 Part-Time) 1500 PhDs for IT/ITeS (500 Full-time +1000 Part-Time) 200 Young Faculty Research Fellowship to increase the attractiveness of faculty positions & future enrolment of PhDs	To generate 1500 PhDs for each of ESDM and IT/ITES sectors (Total: 3000) over a period of 5 years, in order to promote innovation and development of new products in IT/ITES and ESDM sectors	March 2023	
		Scheme for Financial Assistance to select six (06) States/UTs for Skill Development in Electronics System Design and				To provide financial assistance for facilitating skill development for 90,000 persons in ESDM sector with the financial assistance from Central Government.	Improvement in employability of the students/unemployed youth	October 2017	

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			Non-Plan	Plan Budget	Comp IEBR				
		Manufacturing (ESDM) Sector							
		IT Mass Literacy Scheme				One e-literate person in l0 lakh households	To make one person e-literate in each household	September 2015	
		Information Security Education & Awareness (ISEA) Project – Phase II				Target for five years: 3.5 lakh students(formal, non-formal), faculty 25,000 Govt. officials Awareness to cover 50% Internet users	Capacity building in the area of Information security to address the human resource requirement in the country Training of Government personnel and professionals from banking and financial sectors. Creation of mass information security awareness	March 2019	
		Capacity building in the areas of Electronic Product Design and Production Technology				Launching various formal and non-formal courses Train about 2000 candidates in FY 2014-15	To develop human resource at various levels including Certificate, Diploma, Post Graduate, and Research Professionals with adequate competence levels	April 2017	

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Financial Outlays & projected Physical Outputs/Outcomes for 2014-15

Sl. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2014-15 (Rupees in crore)			Quantifiable Deliverables/ Physical Outputs	Projected Outcomes	Process/ Time basis	Remarks/ Risk Factors
			Non-Plan	Plan Budget	Comp IEBR				
							(Target: 11,515 in five years). Upgrade the competence of working professional in Indian Industries and knowledge/ skills of faculty of technical institutions.		
		Skill Development in Electronics Hardware (NCPUL)				To conduct one-year *Diploma in Energy Efficient Electronic Product (DEEEP)* at 50 select Computer Applications, Business Accounting and Multilingual DTP (CABA-MDTP) Centres of NCPUL for training 10,000 candidates over a period of 3 years	Generation of skilled manpower to assemble LED based lighting products and in Repair and Maintenance of Electronics Home Appliances To encourage the usage of LED lighting solution especially in rural markets Promote affordable Electronics Design & Technology targeted towards rural / underdeveloped areas Self employment/ entrepreneurship in Electronics hardware.	September 2016	

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Financial Outlays & projected Physical Outputs/Outcomes for 2014-15

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			Non-Plan	Plan Budget	Comp IEBR				
		Setting up of NIELIT Centre at Agartala (Tripura)				NIELIT Centre at Agartala (Tripura)	Create skilled manpower in the area of IECT.	March 2014	
		Setting up of NIELIT Centre at Ajmer (Rajasthan)				To launch additional training courses from the temporary built up space at Kekri. To complete construction of the NIELIT Campus.	Create skilled manpower in the area of IECT.	November 2014	
		Setting up of NIELIT Patna (Bihar)				Construction of permanent campus of NIELIT Centre at Patna. To train 2710 candidates in various non-formal and Short-term courses in FY 2014-15.	Create skilled manpower in the area of IECT. Train about 40,000 candidates through direct or indirect mode in five years.	October 2017	
		Construction of Permanent Campus of NIELIT Chandigarh at Ropar, Punjab				Permanent Campus of NIELIT Chandigarh at Ropar, Punjab To train 390 candidates in various non-formal and Short-term courses in FY 2014-15.	To provide wide spectrum of services to encourage entrepreneurs in Electronic Hardware Sector by way of developing prototype Electronic Products through formal courses in Electronic Product Design starting from B.Tech. level to Ph.D. level.	January 2019	

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			Non-Plan	Plan Budget	Comp IEBR				
		Setting up of NIELIT Centre at Srikakulam, Andhra Pradesh				Construction of NIELIT Centre at Srikakulam	To create skilled manpower in the area of Information Technology and related disciplines for making available industry ready professionals as well as to provide infrastructure to promote e-literacy.	March 2018	
		Setting up of a Sub-Centre of NIELIT Srinagar in the Ladakh Region of Leh				To set up a Sub-Centre of NIELIT at Leh To train 50 candidates in a year through DOEACC 'O' level software course and 600 candidates in a year through short-term training programs	To improve employment opportunities and facilitate availability of quality manpower, which in turn will lead to growth of IT industry in the region	August 2016	
		Upgradation and establishment of facilities for NIELIT Kolkata Centre				Construction of NIELIT Kolkata Centre building	Enable NIELIT Kolkata Centre to enhance the output of skilled manpower in the area of IECT and allied areas for making available industry ready professionals.	February, 2014 (To be extended)	
		Setting up of ICT Academy of Kerala				To set up an ICT Academy for training of 5000 faculty	Students would be benefited from the	March 2014	

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		(ICTACT)				members of Art, Science, Polytechnics, ITI's and Engineering Colleges and support rollout of mass based HR programmes for graduates	trained faculty members	(To be extended)	
		Scheduled Caste Sub-Plan/ Tribal Sub-Plan				Free training to SC/ST students	Empowerment of SC/ST students	On yearly basis	
	New Schemes under formulation and subject to approvals								
		Scheme for setting up of Electronics and ICT Academies in the States/UTs for faculty development				To set up an Electronics and ICT Academy as a unit in IITs, IIITs, NITs, etc., for faculty/ mentor development/ upgradation through active collaboration of States/UTs in a PPP mode with financial assistance from the Central Government.	Improvement in employability of the graduates/diploma holders in various streams	5 years from the date of approval	
		National Policy on Universal Electronic Accessibility				i. Seminars on the awareness of electronic accessibility & universal design will be organized.	i. The differently abled persons will come to know about accessibility of electronic content and various tools and technology available in the market.	i. Seminars will be conducted from July 2014 onward	The projected outcomes will depend on receipt of proposal from implementing agencies
						ii. Training and demonstration centres on	ii. The special educators and	ii. Training &	

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						Electronics & ICT for special educators and physically and mentally challenged would be setup	differently abled persons will be trained on using ICT technology	demonstration centres would be set-up by Oct'14.	
						iii. R & D proposals on assistive technology will be supported	iii. New R & D project proposals will result in developing assistive technology	iii. New R & D proposals will be approved by Sept'14	
						iv. Guidelines on procurement of Electronics & ICT for accessibility and assistive need will be prepared.	iv. The guidelines will ease procurement of ICT products for differently abled in government departments	iv. Guidelines will be prepared by August 2014	
		Setting up the Eduroam services in India				To set up **Edu**cation **Roam**ing (EDUROAM) services in India in academic and research institutions.	It is proposed to deploy EDUROAM services in saround 150 institutes in the country	March 2015	
		Establishment of Knowledge Web repository				To develop digital repository of Encyclopedia named Sarvavijnanakosam [Sarva] published in Malayalam by State Institute	The web repository along with portal will be developed and hosted in State Data Centre of Kerala.	May 2014	

Financial Outlays & projected Physical Outputs/Outcomes for 2014-15

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						of Encyclopedic Publications (SIEP), Trivandrum and host the digital content.			
		ICT centres in 250 schools in rural areas of Rajasthan in the Distt. of Ajmer and Jaipur				To set-up ICT labs in 250 schools and training to school teachers	Intranet /Internet connecting 250 schools in rural areas of Rajasthan was set-up. Datacentre was set-up to host educational content and for video conferencing. The entire set-up will be handed over to Rajasthan government	May 2014	
		VSAT Connectivity for Internet/Intranet access in the North-Eastern States of the country				VSAT connectivity to remote institutes in North Eastern States of the country	60 institutes will be provided 1 Mbps bandwidth for Internet/Intranet access	The connectivity will be established by March 2015	Subject to approval
		IPv6 Training Program for Government staff				Training on use and deployment of IPv6 to government staff	3000 Govt. staff will be trained on use and deployment of IPv6	December 2014	Subject to approval
		IT for Masses Programme: Empowerment of Women and Development of SC / ST	-	-	-	To conceive and formulate projects for empowerment of Women and development of SC / ST	Capacity building of Women, SC, ST through ICT – training / capacity building projects implemented	12 new projects by March, 2015	

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		using ICT					across different States / UTs		
		Internet Proliferation & Governance: Setting up of Centre of Excellence (CoE) for DNS Security by C-DAC Bengaluru in collaboration with ICANN				• To setup a well-equipped DNS Security Lab for collaborative research and training in order to augment the research being carried in select areas • To create a DNS test bed (Virtual Private Network) for carrying out simulations and evaluation of tools • To offer services related to DNS Technology • To increase awareness of DNS and other critical resources of the Internet Infrastructure through training • To proactively contribute to the global standardization efforts related to DNS	It will explore knowledge on DNS security and DNS technology, Total duration of the project is three years.	March 2014	
		India IGF				To garner a national consensual view on issues of Internet and its governance, an India IGF is proposed to be established as a multi-	Evolve new principles and fostering development of Internet.	March 2014	Tentatively first India IGF will be organized in September 2014

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						stakeholder policy dialogue forum for Internet related issues for three years.			
		Internationalized Domain Name (IDN)				Testing and deployment of IDN tools, maintenance and Upgradation of policies and assistance for roll out of Domain names in Indian languages: Deployment and Integration of the 7 languages approved by ICANN: ICANN has delegated 7 ccTLDs (Hindi-Devanagari, Bengali-Bengali, Gujarati–Gujarati, Punjabi–Gurumukhi, Tamil–Tamil, Telugu-Telugu and Urdu – Perso-Arabic). Out of that .भारत is integrated and tested by NIXI. Registration Tools for registrants, Registrars and Registry for Devanagari Script is under test and for other scripts the work is underway.	Roll out of Domain names in Indian Languages		
		Evolving greater participation in Internet Engineering Task Force (IETF) Working groups				The broad deliverables include generating IPR leading to a standards contribution to identified	Create an ecosystem in India for Increased IETF Participation.		

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		in different selected area:				Working Group of IETF and defending the said contributions /drafts.			
		Engagement with Internet Society (ISOC)				To create greater awareness and participation including academia, Industries, Governments, students and youths for encouraging them to participate in different chapter of ISOC related to standards, public policy, and education	Strengthen India ISOC chapters and Engagement with ISOC chapters amongst students and young professionals.		
		The ongoing projects will be continued in the remaining part of the Plan Period							
		Enhancing India's role in Global Platforms of Internet Governance.				To carry out a study to formulate Internet principles	To prepare a draft report to discuss with various stakeholders		
		Digital Library Initiatives – Digitization / preservation and web enabling of Copyright free data available in physical form **On-going Projects**				Digitize: - 10-12 Million pages Providing bandwidth connectivity to IISc., Bangalore Hosting the DLI web site for accessing the digitized data	Strengthen Country's identity by digitally preserving the national heritage and intellectual output	March 2015	

Financial Outlays & projected Physical Outputs/Outcomes for 2014-15

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		New projects				Digitize around 10 Million pages	Strengthen Country's identity by digitally preserving the national heritage and intellectual output	March 2015	
						Digitize, preserve and web enable Indian folklores	Educate the children of the age from 7-14 Years through development of folklore	March 2015	
5	**NIELIT**	• To create Human Resources in the area Information Electronics & Communication Technology (IECT) through formal & non-formal courses. • To produce quality professionals through Long Term & Short Term Courses in the Formal & Non-Formal Sector.	1.70	10.00 (Incl. 1.00 Cr. for NER)	178.58	**I. Training in NIELIT Centres** (a) To conduct training for **long term formal courses** (M.Tech/ B.Tech/ MCA/ BCA etc). (b) To conduct training for **long term non-formal courses** (O/A/B/C Levels in IT, O/A Levels in Bio-informatics, O/A Levels in Hardware, O/A/ Levels in Multimedia etc.) (c) To conduct training for **short term non-formal**	 2,200 candidates 10,000 candidates 40,000 candidates	 Annual Exams July, 2014 & January, 2015 Semester wise exams Batch-wise exams	

Financial Outlays & projected Physical Outputs/Outcomes for 2014-15

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						courses with duration of less than 1 year, other than CCC and BCC			
						II. National level Certification Scheme (O/A/B/C Level Scheme)			
						(a) Grant/ Renewal of Accreditation for running courses with duration of one year and above.	70 Institutes	On-going process	
						(b) To conduct training for **long term non-formal courses** (O/A/B/C Levels in IT) by **Accredited Institutes**	41,000 candidates	-do-	
						(c) Number of module candidates appearing in NIELIT O,A,B,C Level Examination in IT (one candidate appearing for two modules is counted as 2 module candidate)	1,20,000 candidates	July, 2014 & January, 2015 Annual/ Semester wise exams	
						III. IT Literacy Programme (a) To conduct training for Course on Computer	3,00,000 candidates	Every month	

Financial Outlays & projected Physical Outputs/Outcomes for 2014-15

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						Concepts (CCC). (b) To conduct training for Basic Computer Course (BCC).	1,24,000 candidates	examination cycle.	
6	**ERNET India**	To carry out research in Collaboration with partner institutions at national and international level.	-	0.10	75.00	• **VSESS:** Providing Educational cloud services to identified KV schools	• Implement Virtual Scalable Educational Services for 14 Kendriya Vidyala Schools.	June' 2014	.
						• **IoT:** To setup a distributed IoT test bed to support experimentation.	• To build a distributed IoT test bed at ERNET in collaboration with IIT-Bombay, IIT-Madras and IIT-Guwahati	-	Working Group has recommended the project. Financial approval is awaited.
						• **WQMS:** IoT based sustainable water quality management for institutional campus.	• To deploy sensors, beacons in the network and integrate with crowd-source data to perform realtime and offline analytics in the cloud.	-	-do-
						• Setting up of Digital Archival facility for Outcomes of the various	Online Web Portal, for archiving source	3 years (April'12 to	

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			Non-Plan	Plan Budget	Comp IEBR				
						Language Technology projects along with dependencies	codes, modules, dependencies, documentation of various linguistics projects, has been developed. Portal is accessible through www.tdilsankalan.res.in and www.bhartiyabhasha.res.in. This portal will help to disseminate the various language technology projects so that R&D organisation can use the existing research work for further development of the product and even for developing new multilingual technology	March'15)	
		To implement turnkey ICT projects for targeted user domains.				• Setting up of Campus Network & IT Infrastructure at NIFTEM, Haryana	Designing of the Campus Wide Area Network, VC & Networking facilities and other ICT infrastructure needs for the NIFTEM	ongoing activity extendable based on MoU	

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Financial Outlays & projected Physical Outputs/Outcomes for 2014-15

Sl. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2014-15 (Rupees in crore)			Quantifiable Deliverables/ Physical Outputs	Projected Outcomes	Process/ Time basis	Remarks/ Risk Factors
			Non-Plan	Plan Budget	Comp IEBR				
						• E-linkage of 200 KVKs/ZPDs of ICAR	• Operational dedicated captive CUG VSAT Network of ICAR with its Hub and NOC at Delhi & functional ICT infrastructure and VSAT connectivity at 200 KVKs/ZPDs facilitating access and dissemination of information on agriculture to the farming community of the country	ongoing activity extendable based on MoU	
						Setting up of ICT Centres in 250 schools in rural areas of Ajmer and Jaipur District of Rajasthan	• Established ICT Centers in 250 schools of Ajmer and Jaipur in 2011 with internet and E-learning facility. The centers were in operation and maintenance since then. A data Center/ NoC is also established for delivery of e-	03 years (Dec'10 to May'14)	

Financial Outlays & projected Physical Outputs/Outcomes for 2014-15

Sl. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2014-15 (Rupees in crore)			Quantifiable Deliverables/ Physical Outputs	Projected Outcomes	Process/ Time basis	Remarks/ Risk Factors
			Non-Plan	Plan Budget	Comp IEBR				
						• Setting up of e-Learning ICT Centers in 204 schools of Srikakulam, District of Andhra Pradesh	learning facilities and its monitoring. Under the project ICT training to 750 ICT In-charge & 25 Nodal officers had been provisioned. • The e-Learning ICT centers with internet connectivity will be established in 204 schools of tribal areas of Srikakulam District of AP. One ICT centre is established and inaugurated by Honourable Minister of State for Communications & Information Technology on 27.02.2014 • To impact ICT based education & training in the schools and providing citizen Centric services to	3 years (Aug'13 to July'16) On going	
						• Continuation of connectivity at Vidya-Vahini Community Informatics Centres in the			

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Financial Outlays & projected Physical Outputs/Outcomes for 2014-15

Sl. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2014-15 (Rupees in crore)			Quantifiable Deliverables/ Physical Outputs	Projected Outcomes	Process/ Time basis	Remarks/ Risk Factors
			Non-Plan	Plan Budget	Comp IEBR				
						Schools of Andaman & Nicobar (40 CICs) and Lakshdweep Islands (30 CICs)	the local populace of the region.	-	
						• **IT for Masses:** Advanced ICT Training for graduates belongs to SC/ST community at ERNET Chennai in-collaboration with Anna university	• Under this project, 400 graduates will be trained in ICT topics like, Advanced Computer Networking, Embedded OS, WSN & loT, Cloud Computing, Advanced Data Structures & Algorithm Analysis, Multimedia and Android Programming over the period of 2 years.		Proposal under consideration of DeitY
		Capacity Building				• Creation of IPv6 Academy and Research Centre	• The centre will be used to provide capacity building and support research activities in the field of IPv6 to help India create a strong base in the new emerging network technology.	-	Proposal being submitted to DIT.

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			Non-Plan	Plan Budget	Comp IEBR				
						Basic level and Network administrator level training on IPv6 to staff of Govt. organisations across India	• The project would provide hands-on training on IPv6 to Govt. staff to enable them to help their organisations move on to IPv6	- -	The project has been recommended by the working group and under process in DeitY
						• Consultancy to migrate SWAN & SDC to IPv6 in Ut tar Pradesh, Tamil Nadu and Meghalaya	• DoT guidelines mandates all Government infrastructure to be migrated to IPv6 by Dec 2017.		Proposal under consideration of DeitY
		Software Develop-ment				Creation of a monitoring portal for Rashtriya Ucchatar Shiksha Abhiyan (RUSA)	The online portal would be implemented to monitor and review the progress of the scheme under MHRD	-	
		Value Added Services for Education & Research				eduroam – the free global wi-fi services for education and research in India	The project enables academicians and researchers to use free wi-fi services in partnering institutions in 60 plus countries worldwide covering more than 10000 institutions worldwide and 30 plus in India	March'15	

Financial Outlays & projected Physical Outputs/Outcomes for 2014-15

Sl. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2014-15 (Rupees in crore)			Quantifiable Deliverables/ Physical Outputs	Projected Outcomes	Process/ Time basis	Remarks/ Risk Factors
			Non-Plan	Plan Budget	Comp IEBR				
7	**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.	-	25.00 (Incl.. 1.00 crore for NER)	-	**New Projects** Initiation of Centre of Excellence for Localization in Indian Languages (CoE-LIL)	Building up competency for the development of Language enabled localized services and products in all Indian languages.	Jan 2015	SFC proposal being finalized
						Development of Indian Language to English Machine Translation System for Judicial Domain	Machine Translation System for Indian Language to English for Judicial Domain	Dec 2014	Project being finalized
						Development of Automatic Speech Recognition for Agriculture and Weather Information – ASR Consortium –Phase -II	Voice based agricultural and weather information system	Dec 2014	Project being finalized
						Development of Captcha in Indian Languages	Captcha in Indian Languages	Sep 2014	Project being finalized
						New Framework for Analysis, Generation and Translation in Indian Languages (Kannada and Telugu)	Improved Machine Translation systems in Indian Languages	Sep 2014	Project being initiated
						Indian Languages Technology Proliferation	Dissemination of Indian Languages	Dec 2014	Project being initiated

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Financial Outlays & projected Physical Outputs/Outcomes for 2014-15

Sl. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2014-15 (Rupees in crore)			Quantifiable Deliverables/ Physical Outputs	Projected Outcomes	Process/ Time basis	Remarks/ Risk Factors
			Non-Plan	Plan Budget	Comp IEBR				
						and Deployment Centre (TDIL Data Centre) Phase - II	resources and tools		
						Sanskrit-Hindi Machine Translation System-Phase - II	Development of Sanskrit-Hindi Machine Translation System and Tools	Dec 2014	Project being initiated
						On-Going Projects Six Consortium Mode projects –Phase –II in the areas of Eng-Indian languages Machine Translation , Indian Languages – Indian Languages Machine Translation , OCR , OHWR and Cross-lingual Information Access (CLIA) [Systems with enhanced efficiency and more languages pairs]	Enhancement of systems Performance of MT , OCR and OHWR and CLIA in Indian Languages	Dec 2014	Phase –II consortia projects are being implemented
						Text to Speech integrated with Screen reader for 12 Indian Languages and TTS for 6 Indian Languages for Android based Mobile System.	Enhancement of TTS System integrated with screen reader in terms of System Performance and TTS for Mobile devices	Feb 2015	Project under implementation

Financial Outlays & projected Physical Outputs/Outcomes for 2014-15

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			Non-Plan	Plan Budget	Comp IEBR				
						Dependency Annotation for Indian Languages	Indian Language Resources for NLP Research	Feb 2015	Project under implementation
						Development of Virtual Keyboard for Indian Languages	Alpha version of Virtual Keyboards for Mobile and wireless devices in 14 Indian Languages	Feb 2015	Project under implementation
						Development of annotated corpora for Indian Languages	Annotated corpora of 100,000 sentences each for 17 Indian Languages	Dec 2014	Project under implementation
						Development of Dravidian WordNet South Indian Languages	WordNet for 20,000 synsets each for 4 South Indian Languages	Dec 2014	Project under implementation
						Development of Prosodically guided Phonetic Engine and Phonetic search engine in Indian Languages	Alpha version of Prosodically guided Phonetic Engine and Phonetic search engine in 11 Indian Languages	Dec 2014	Project under implementation
						Development of Pronunciation Lexicon Standards in 5 Indian Languages as per W3C	PLS Data of 200000 words for 5 Indian Languages	Dec 2014	Project under implementation

Financial Outlays & projected Physical Outputs/Outcomes for 2014-15

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			Non-Plan	Plan Budget	Comp IEBR				
						Standards			
						Stake holders consultation and Validation of the following : Consolidation of inputs for Internationalization in W3C standards namely CSS, PLS, SSML Xforms, Mobile Web, XHTML and E-Gov Linked Data under W3C India initiative	Web Internationalization , Standardization enable Web in 22 Indian Languages	Dec 2014	Ongoing Standardization Activity
						Development of Basic Information Processing Kit for 22 Indian Languages and development of Indian Languages fonts for Mobile handsets.	Language CD for New OS like Windows 7.0 & above	Nov 2014	Project under implementation
8	**Facilitation of setting-up of Integrated Townships**	Facilitation of Setting up of Information Technology Investment Region(ITIR)	-	0.10	-	Approval of Cabinet Committee on Economic Affairs(CCEA) to setup ITIR in Odisha	The notification for setting up of ITIR near Bhubneswar will be issued after approval of CCEA	July 2014	
9	**Cyber Security (incl. CERT-In, IT Act)**	• Security Policy, compliance & assurance	-	120.00 (Incl. 4.00 Cr for NER)	-	Enabling improvement of the security posture of organisations and cyber space and enhancement in the ability of IT systems to resist cyber attacks	Enablement and Verification of security posture, compliance and preparedness of Government and	**Ongoing.** Number of cyber security mock drills conducted	

Financial Outlays & projected Physical Outputs/Outcomes for 2014-15

Sl. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2014-15 (Rupees in crore)			Quantifiable Deliverables/ Physical Outputs	Projected Outcomes	Process/ Time basis	Remarks/ Risk Factors
			Non-Plan	Plan Budget	Comp IEBR				
							critical sector organisations	at national level (1) and participation at international/ overseas level (1)	
								Number of organisations enabled for security best practices compliance and assurance (9)	
		Cyber Security Eco-system				Initiatives for Implementation of National Cyber Security Policy	Cyber Security infrastructure / mechanisms for security threat early warning and response to security threats	Obtaining approval and finalisation of RFP for the 3 key initiatives: establishment of (i)	

Financial Outlays & projected Physical Outputs/Outcomes for 2014-15

Sl. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2014-15 (Rupees in crore)			Quantifiable Deliverables/ Physical Outputs	Projected Outcomes	Process/ Time basis	Remarks/ Risk Factors
			Non-Plan	Plan Budget	Comp IEBR				
								National Cyber Co-ordination Centre, (ii) Botnet Cleaning Centre and (iii) Malware Analysis Centre.	
		• Security awareness, skill development and training				• Trained manpower to implement techniques to secure IT infrastructure. • Trained manpower to collect, analyse and process digital evidence. Pre trained manpower will help in securing cyber space and check cyber crimes.	• Awareness and training programmes to facilitate information sharing to deal with crisis situations.	**Ongoing** Number of persons trained on specific topics of cyber security (850 persons)	
		• 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,	**Ongoing.** Formulatio n of proposals with special	

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Financial Outlays & projected Physical Outputs/Outcomes for 2014-15

Sl. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2014-15 (Rupees in crore)			Quantifiable Deliverables/ Physical Outputs	Projected Outcomes	Process/ Time basis	Remarks/ Risk Factors
			Non-Plan	Plan Budget	Comp IEBR				
							proof of concepts and prototypes and skilled manpower in areas of cyber security including Crypto Analysis & Research Network & System Security - Mobile Monitoring & Forensics Vulnerability assessment and remediation through sponsored projects at recognized R&D organisations.	focus on cryptanalysis, malware research, mobile security, cloud security, advanced cyber forensics & evaluation of proposals by Working Group and initiation of the projects (10)	
		Security incident – early warning and response (CERT-In)				● Enhancing the security of communications and information infrastructure in the country	● Rapid response, resolution and recovery	Average time taken to register, initiate action and provide initial response to a reported	

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			Non-Plan	Plan Budget	Comp IEBR				
							security incident (5 hrs) % of incidents successfully handled out of total number of incidents reported (75%)		
10	**Controller of Certifying Authorities (CCA)**	To promote use of electronic/ digital signatures for e-governance and e-commerce applications Awareness generation and Training programs in Electronic Signatures	-	8.00	-	Promotion of use of Electronic/ Digital signature certificates	Enhanced use of electronic/digital signatures for e-governance and e-commerce, banking applications etc. Training facilities, modules and content development and awareness generation.	Continuing process	
11	**Promotion of Electronics / IT Hardware Mfg.**	Promotion of Electronics Hardware Manufacturing in the country.	-	85.00	-	(a) Issuance of Letters of Commitment after appraisal of DPRs & execution of final agreements with consortia of JIT(Jaypee; IBM; Tower Semiconductor Ltd.) and HSS(HSMC	These would encourage investment in electronics/ IT hardware manufacturing sector and also provide employment	March 2015	(a) Cabinet has approved setting up of two semiconductor wafer fabrications facilities in India

Financial Outlays & projected Physical Outputs/Outcomes for 2014-15

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			Non-Plan	Plan Budget	Comp IEBR				
						Tech.; ST Microelectronics and Silterra for setting up of Semiconductor Wafer Fabs facilities for manufacture of Chips in India. Also to take further action for engagement of consultancies etc. and other action expedient in the matter.	opportunities in the Country.		with the combined project outlay of Rs. 65000/- crore. The letters of Intent have already been issued and consortia's have been asked to submit DPR and take necessary action for exhibiting financial commitment to the project. The deliverable is subject to the Consortia's taking requisite action and compliance thereof in response to Letters of Intent and further discharge of requisite responsibilities/role at their end.

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			Non-Plan	Plan Budget	Comp IEBR				
						(b) To take further action for implementation of the policy for providing preference to domestically manufactured electronic products (including telecom equipment) in Government procurement with the target of achieving procurement of appx. Rs. 1000 crore			(b) The deliverable is subject to implementation of policy by various Govt. authorities particularly DGS&D and NICSI in the matter of procurement of electronics products and response of the Stake holders to increase the domestic manufacturing of quality products at reasonable cost.
						(c) To take further action for attracting investment from appx. 25 units or investment proposals of Rs. 8000 crore, seeking incentives under Modified Special Package Scheme (M-SIPS) ; Review of Policy;			(c) The deliverable is subject to the response of Industry to the Scheme and global economic and market

Financial Outlays & projected Physical Outputs/Outcomes for 2014-15

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			Non-Plan	Plan Budget	Comp IEBR				
						Finalization of disbursement guidelines and disbursement of incentives to the approved applicants.			scenario. Further, the applicants are required to undertake conforming action as called for. The disbursement of subsidy to the applicants will depend on their attaining financial closure, the NPV of investment exceeding the threshold value and other conditions including furnishing of requisite information by the applicants and recommendations of Appraisal Committee and requisite approvals.

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						(d) The "Electronics and Information Technology Goods (Requirements for Compulsory Registration) Order, 2012" had been notified through the Gazette of India on 03 Oct. 2012 under the provision of compulsory Registration Scheme of BIS Act, 1986. This order becomes effective from 03rd July 2013 and covers 15 electronics products. To take action for expansion of this order by inclusion of more electronics products in the ambit.			(d) The action concerns a number of Govt. Departments particularly Department of Consumer Affairs; Bureau of Indian Standards and response of the Industry. Further, the activity needs to be supported by a mechanism by creation of posts, response of the stakeholders etc. Ministry of Finance is yet to sanction the creation of regular post for this activity, which at present is being run with the assistance of Consultants.

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Financial Outlays & projected Physical Outputs/Outcomes for 2014-15

Sl. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2014-15 (Rupees in crore)			Quantifiable Deliverables/ Physical Outputs	Projected Outcomes	Process/ Time basis	Remarks/ Risk Factors
			Non-Plan	Plan Budget	Comp IEBR				
						(e) To take action for framing of "Electronics Development Fund" (EDF) policy for promotion of Innovation, R&D, Indian IPR which includes Preparation of draft Cabinet |Note and obtaining approval of MCIT. Thereafter, circulation of draft Cabinet note for inter-ministerial consultations. After necessary consultations, the final Cabinet note would be prepared for placing before the Cabinet with the approval of MCIT for obtaining decision of the Cabinet. Further, also to take action on the individual proposals for creation of funds for this purpose.			(e) The implementation of the proposal would depend upon the appraisal and approvals of the concerned Govt. Departments and decision of the Cabinet. Further, the response of Planning Commission and Ministry of Finance etc. on the Fund proposals is essential to carry the activity.
						(f) To take further action for implementation of Electronics Manufacturing Clusters (EMC) Scheme, which has been approved by the Cabinet and notified on			(f) The deliverable are subject to the response from stakeholders on this promotional scheme and also

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						22.10.2012 to offset disabilities faced by Electronics Systems Design and Manufacturing (ESDM) units and to attract investments in the sector such as:- • To process initial applications for Greenfield clusters and to accord in-principle approval to five Greenfield clusters. • To process the final applications for Greenfield clusters and accord approval to three applications. (g) To take action for creating empowered institutional mechanism and also strengthening the mechanism for promoting ESDM activities. (h) To take requisite action			depending upon the requisite approvals and clearances from various authorities. **(g) To (r) :** Depending upon the views/response of concerned Govt. Departments and other stakeholders involved in the

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			Non-Plan	Plan Budget	Comp IEBR				
						on the proposal of Electropreneur Park submitted by STPI/DU along-with ISEA. (i) To take action on the proposal for setting up of Incubator Centre for Fabless/ Chip Design by STPI, Bengaluru, IIT-Bengaluru and IIT Hyderabad. (j) To take further action for development of Indian CAS. (k) To take action on joint collaborative proposals with other countries through GITA (l) To take action for implementation of scheme for National Awards in ESDM for recognizing the achievements of successful industry in the ESDM sector ; to motivate the entrepreneurs in the sector and to encourage new			process. The requisite action would be taken subject to requisite approvals are in place.

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						investment and innovation in the sector.

(m) To take action to sort out tariff related issues to promote ESDM.

(n) To bring out a scheme to provide incentives to manufacturers of ITA Products/Zero Duty products to offset disabilities in manufacturing.

(o) To take action for creation of National Centre for Large Area Electronics as Joint Industry/academic effort at IIT K to promote cutting edge research in the emerging area.

(p) To take action for setting up National Centre of Excellence in Technology for Internal Security(NCETIS) to develop state-of-art-technologies, vital to our security agencies at IIT Bombay | | | |

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			Non-Plan	Plan Budget	Comp IEBR				
						(q) To bring out a policy to promote fabless semiconductor industry in the country.			
						(r) To take action on the Scheme to provide financial support to MSME to promote manufacturing in the country, built quality into Indian manufacturing & also to encourage exporters.			
12	**STQC**	Establishment of Quality Assurance Infrastructure in the country to facilitate quality products & services at par with global standards and practices	7.00	120.00 (Incl. 10.00 Cr for NER)	-	1.Up gradation of Test & Calibration facilities to cater to state-of-the-art products with emerging technologies	Up gradation of test and calibration facility to meet the industry demand.	March, 2015	
						2 Revenue target realization.	Revenue of Rs. 54 crores approx. likely to be generated.	March, 2015	
						3. Maintenance & upgrade of IT test tools and infrastructure	More than 50 eGov projects will be evaluated	March, 2015	
						4. Approval of External agencies for testing of eGov	5-10agencies are likely to be approved	March, 2015	

Financial Outlays & projected Physical Outputs/Outcomes for 2014-15

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			Non-Plan	Plan Budget	Comp IEBR				
						projects			
						5. Setting up of Common Criteria (CC) test labs	2-3 labs are likely to be established	March, 2015	
						Strengthening of SPV panels and products testing at two STQC labs	Infrastructure support for quality assurance of SPV products to meet requirements of National Solar Mission	March, 2015	
						National Capacity Building in Quality management System, Information Security and Practice Oriented skill based trainings	More than 300 training programs to be conducted across India	March, 2015	
						Progress of construction activity of STQC Building at Noida.	Construction activity of first phase to be revived.	March, 2015	
						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, 2015	

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Financial Outlays & projected Physical Outputs/Outcomes for 2014-15

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13	**Promotion of IT/ITeS Industry (Formerly STPI & EHTP)**	To promote exports of electronics & IT	-	10.00	226.20	This program is for promotion of exports and provide facility to Indian small and medium organization in export promotion events in the software and electronics sectors		On Continual basis	STPI is having 53 centers across the country and over 3,500 units are operating under STP scheme and over 100 units are operating under EHTP scheme.
14	**Centre for Development of Advanced Computing (C-DAC)**	**Enhance R&D capabilities in strategic and cutting edge ICTE technologies**	3.00	148.00 (Incl. 18.00 Cr for NER)	254.00	• Enhancement of HPC systems and applications capabilities • Initiation /Execution of projects in strategic areas and cutting edge areas	• Deployment/ Upgradation of HPC systems • Porting/Development of HPC applications on deployed/ upgraded systems • Initiation of new projects and completion of ongoing projects • Number of	March 2015 March 2015 March 2015	

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			Non-Plan	Plan Budget	Comp IEBR				
						• Generation of IPR and dissemination of research results	Research Papers published		
							• Number of Patents filed	March 2015	
						• Development of Cloud Computing Framework	• Operationalization/ Upgradation/Deployment of Cloud Infrastructure	March 2015	
							• Porting/Developing / Enhancing of Applications on deployed/ upgraded Cloud infrastructure	March 2015	
								March 2015	
		Innovate, develop and deploy solutions				• Development of e-Security Solutions	• Development/Upgradation/ Deployment of e-Security Solutions	March 2015	
						• Enabling computing to reach Indian masses through development of tools and applications with Indian language and mobile support	• Development/Upgradation/ Deployment of Tools and Technologies	March 2015	
						• Development of			

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			Non-Plan	Plan Budget	Comp IEBR				
						capabilities in professional electronics, VLSI and embedded systems	• Development/Enhancement of prototype systems	March 2015	
						• Proliferation of BOSS Linux deployment specific to education & research	• Deployment of BOSS Linux	March 2015	
		Human Resource Development in core competency areas				• Build research prototypes in Software Technologies	• Development/Enhancement of prototype systems	March 2015	
						• Enhancement of research to reality translation	• Transfer of Technologies	March 2015	
						• IEBR Generation	• Generation of External Budgetary Resources (EBR) and Internal Revenue	March 2015	
						• Conducting specialized courses and finishing school programmes	• Students trained through various programs run by C-DAC	March 2015	
						• Conducting training activities for Skill Development	• Persons Trained		

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Financial Outlays & projected Physical Outputs/Outcomes for 2014-15

Sl. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2014-15 (Rupees in crore)			Quantifiable Deliverables/ Physical Outputs	Projected Outcomes	Process/ Time basis	Remarks/ Risk Factors
			Non-Plan	Plan Budget	Comp IEBR				
						• Enhancement of Intellectual Property Creation in India	• Number of Ph.D.s produced with C-DAC's support.	March 2015	
								March 2015	
15	*R&D in IT* **Technology Development Council (including ITRA)**	Seeding basic and competitive R&D in the thrust areas of IT in Emerging Area, High Performance Computing, Green IT, Biotechnology, Perception Engineering, Open Source Software; Innovation, IPR and Entrepreneurship promotion towards evolving a vibrant R&D ecosystem in the country	-	50.00 (incl. 5.00 Cr for NER)	-	i. Initiation of new Application Oriented and Basic R&D Projects (15 Nos.) ii. Creation of Patents based IPRs iii. R&D Translations/ ToTs iv. Launch of National Supercomputing Mission v. Continued support to ongoing projects towards further progress and completion.	Availability of i. Enhanced trained manpower, ii. Strengthening of R&D and Innovation ecosystem in the country, and iii. Indigenous technologies and product development facilitation in the various thrust areas of IT	March 2015 (for i. to vii.)	
		IT for Industrial Applications To strengthen local base for R&D/ application in Electronics and IT in the field of Industrial	-	-	-	**National Mission on Power Electronics Technology Phase II (NaMPET II)** • Initiation of seven new	Enhancement of R&D infrastructure and design capability in the area of power Electronics Technology contributing to design	2 sub projects July, 2014 5 sub	NaMPET-II has been initiated on 2.1.2012 with outlay of ` 49.89 crores for 60

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			Non-Plan	Plan Budget	Comp IEBR				
		Electronics, Agriculture and related areas.				exploratory/advanced technology/ demonstration/deployment/ product development sub projects	led Electronics hardware manufacturing	projects Dec, 2014	months duration.
						• Distribution of student awards for best projects in power electronics / power systems at B.Tech / M.Tech Level.		Nov, 2014	
						• Holding of 3 Short-term Courses in different areas of Power Electronics		June, 2014 June, 2014 Sep., 2014	
						• Organization of Second National Workshop		Nov, 2014	
						Application of Electronics for Agriculture & Environment (e-AGRIEN)	Enhancement of R&D infrastructure and design capability and demonstration on application of electronics for agriculture and environment		Project was initiated on 18-3-2010 with outlay of `14.70 crore. for 48 months duration
						• Organisation of workshop with state & central Pollution control Boards on Electronic Nose for monitoring obnoxious gas		July, 2014 Aug., 2014	
						• Initialization of TOT process for Project development of handheld electronic nose		Sep, 2014	

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			Non-Plan	Plan Budget	Comp IEBR				
						• Field trial of inward leaf inspection system for Indian Tea industries			
						Automation System Technology Centre (ASTeC) • Approval for TOT of thirteen ASTeC products / technologies and formal closure of ASTeC project.	Availability of cost effective solutions of Automation Technologies to Indian user & manufacturing industries	Aug, 2014	
						Intelligent Transportation System (ITS) • Completion of ITS project	Demonstration and availability of cost effective IT solutions for the road transportation sector	June, 2014	ITS Project was initiated on 18.9.2009 with outlay of ` 14.74 crores for 36 months period.
						Electronic Personal Safety Device (ePSD) • Prototype development of ePSD	Development of basic device for enhancing safety of persons in distress.	Aug., 2014	
						Electronic Personal Safety System (ePSS)	Pilot demonstration of concept of back end system for enhancing safety of persons in distress using readily	June 2014	

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			Non-Plan	Plan Budget	Comp IEBR				
							available devices and deployment of ePSS in Jaipur Police Control Room.		
						Initiation of new projects in areas of industrial applications.	Promote R&D for indigenous systems / technologies for industrial Applications.	Dec. 2014	Working Group meeting scheduled in July 2014.
16	**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 & MEMS.	-	75.00	-	2 nanoelectronics projects will be initiated	It would enable creation of a strong R&D base in nanoelectronics in the country	One by December 2014and one by February 2015.	
						3 microelectronics projects will be initiated.	It would enable creation of a strong R&D base in microelectronics in the country	Two by December 2014 and one by February 2015.	

Financial Outlays & projected Physical Outputs/Outcomes for 2014-15

Sl. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2014-15 (Rupees in crore)			Quantifiable Deliverables/ Physical Outputs	Projected Outcomes	Process/ Time basis	Remarks/ Risk Factors
			Non-Plan	Plan Budget	Comp IEBR				
17	**SAMEER**	Research & Development activities in the areas of its expertise	3.00	50.00 (Incl. 4.00 Cr for NER)	45.00	**R&D in Core Areas**	**Research leading to expertise in :**		
							Marx technology based 200 KV UWB Impulse generators for HPEM testing	Technology development for Impulse generators for HPEM testing. **New Project** April 2014-March 2016.	
							SAR digital image processor.	SAR digital image processing technology development **New Project** April 2014-March 2016	
							Two axis stabilization system	Technology development for Two axis stabilization system **New Project** April 2014-March 2016	

Financial Outlays & projected Physical Outputs/Outcomes for 2014-15

Sl. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2014-15 (Rupees in crore)			Quantifiable Deliverables/ Physical Outputs	Projected Outcomes	Process/ Time basis	Remarks/ Risk Factors
			Non-Plan	Plan Budget	Comp IEBR				
							47 GHz MMIC based frequency multiplier	Technology development for 47 GHz MMIC based frequency multiplier **New Project** April 2014-March 2016	
							Synthetic aperture radar at X band	System at X band as technology demonstrator **Continuing** April 2012-March 2015	
							Development of THz technology for imaging and spectroscopy	Technology for THz imaging and spectroscopy **Continuing** April 2012-March 2015	
							Development of high resolution imaging system using spectral domain-optical coherence tomography(SD-OCT)	OCT for bio-imaging application **Continuing** April 2012-	

Financial Outlays & projected Physical Outputs/Outcomes for 2014-15

Sl. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2014-15 (Rupees in crore)			Quantifiable Deliverables/ Physical Outputs	Projected Outcomes	Process/ Time basis	Remarks/ Risk Factors
			Non-Plan	Plan Budget	Comp IEBR				
								March 2015	
							Millimeter-wave radiometer	System development

Continuing
April 2013-March 2015 | |
| | | | | | | | Wideband low profile VHF/UHF antenna | Wideband VHF/UHF antenna development

Continuing
April 2013-March 2015 | |
| | | | | | | | Algorithm development for broadband data link | Development of algorithm for broadband data link

Continuing
April 2013-March 2015 | |
| | | | | | | | Development of high power Solid State Amplifiers | High power Solid State Amplifiers technology development

Continuing
April 2012-March 2015 | |

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Financial Outlays & projected Physical Outputs/Outcomes for 2014-15

Sl. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2014-15 (Rupees in crore)			Quantifiable Deliverables/ Physical Outputs	Projected Outcomes	Process/ Time basis	Remarks/ Risk Factors
			Non-Plan	Plan Budget	Comp IEBR				
							Development of gyrotron subsystems	Subsystem design and development **Continuing** April 2012-March 2015	
							Development of GaAs based Quantum infrared Detectors in the transmission window of 8-12 microns	Technology development for QW infrared detector **Continuing** August 2011-July 2014	
							Growth of III-V Multi-Junctions by Molecular Beam Epitaxy	Multi-junctions material growth **Continuing** August 2011-July 2014	
							Direct writing of Optical waveguides using femtosecond laser	Femtosecond laser based direct writing of waveguide devices	

Financial Outlays & projected Physical Outputs/Outcomes for 2014-15

Sl. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2014-15 (Rupees in crore)			Quantifiable Deliverables/ Physical Outputs	Projected Outcomes	Process/ Time basis	Remarks/ Risk Factors
			Non-Plan	Plan Budget	Comp IEBR				
								Continuing April 2013-March 2015	
							Innovation in antenna design for special applications	Antenna design for special applications **Continuing** April 2013-September 2014	
							W band components frequency tripler, attenuator, LNA	W band components **Continuing** April 2013-March 2015	
							High power amplifier at X band	High power amplifier **Continuing** April 2013-March 2015	
							RF subsystem, miniaturization of RF modules and base band development for digital S band transponder	RF subsystem, miniaturization of RF modules **Continuing** April 2013-March 2015	

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Sl. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2014-15 (Rupees in crore)			Quantifiable Deliverables/ Physical Outputs	Projected Outcomes	Process/ Time basis	Remarks/ Risk Factors
			Non-Plan	Plan Budget	Comp IEBR				
							Eight/Four arm spiral antenna	spiral antenna **Continuing** April 2013-March 2015	
							Development of Direct phase modulators and PLDRO	Direct phase modulators and PLDRO **Continuing** April 2013-March 2015	
							Development and commissioning of SODAR and study of the lower atmospheric boundary layer in the Silchar region, Assam by Assam University, Silchar	Development of SODAR and commissioning at Assam University, Silchar **Continuing** April 2013-March 2015	
							Microwave Technology based Tea processing system	Microwave Tea processing system for Guwahati University	

Financial Outlays & projected Physical Outputs/Outcomes for 2014-15

Sl. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2014-15 (Rupees in crore)			Quantifiable Deliverables/ Physical Outputs	Projected Outcomes	Process/ Time basis	Remarks/ Risk Factors
			Non-Plan	Plan Budget	Comp IEBR				
								Continuing April 2013- March 2015	
							Microwave Technology based Tea processing system by Tezpur University	Microwave Tea processing system for Tezpur University **Continuing** April 2013- March 2015	
							Digital Inosonde Radar with Inospheric data analysis, software and collection and analysis of Inospheric data	Digital Inosonde Radar for Dibrugarh University **Continuing** April 2013- March 2015	
							Application of Innovative (RF + Hot air technology) for processing of agro products	Processing of agro products using RF for Silchar University **Continuing** April 2013- March 2015	

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Financial Outlays & projected Physical Outputs/Outcomes for 2014-15

Sl. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2014-15 (Rupees in crore)			Quantifiable Deliverables/ Physical Outputs	Projected Outcomes	Process/ Time basis	Remarks/ Risk Factors
			Non-Plan	Plan Budget	Comp IEBR				
							Development of Thermography infrastructure facility in Tripura University, Phase I	Thermography infrastructure facility at Tripura University **Continuing** April 2013-March 2015	
							Training Program in North East Universities	Manpower training **Continuing** April 2013-March 2015	
							Development of lightning detection network for NE	Lightning detection network for NE in association with IMD **New Project** April 2014-March 2017	
							Application of Innovative Dielectric property based technology for processing and quality measurement of	Dielectric property based technology for processing	

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			Non-Plan	Plan Budget	Comp IEBR				
							agro products	and quality measurement of agro products **New Project** April 2014-March 2017	
							Application of Innovative (RF + Hot air) technology for processing of agro products.	Carry out research using RF drying technology of agro products with College of Agriculture, Tripura **New Project** April 2014-March 2016	
		To engage in product development driven by technology and user requirement				Stratospheric Tropospheric (ST) Radar	State-of the art atmospheric radar for getting wind profiles up to 16-20 kms	**Continuing** Nov, 2010-Oct 2014	
						Broadband wireless communication using THz technology	Technology development for wireless communication	**Continuing** July 2013-June 2016	

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Sl. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2014-15 (Rupees in crore)			Quantifiable Deliverables/ Physical Outputs	Projected Outcomes	Process/ Time basis	Remarks/ Risk Factors
			Non-Plan	Plan Budget	Comp IEBR				
							using THz radiation		
						Coherent transmitter-receiver at W-band	Engineering of millimeter wave modules and prototype system demonstration	**Continuing** March 2010-June 2014	
						Fire control system for GRSE, MDL and Fincanteri	Fire control system for MDL, Fincanteri	**Continuing** December 2011-Aug 2015	
						S band TT & C Transponders	S-band Transponders	**Continuing** March 2007-December 2014	
						Ka-band Polarimetric Doppler Radar for Cloud Profiling for MOES	Ka-band Doppler Radar for Cloud Profiling	**Continuing** March 2013-February 2016	
						Development of transmitter and wrap-around multifunctional antennas	Product development and delivery	**Continuing** July 2013-June 2015	
						RF based proximity sensor	Product development and delivery	**New project** March 2014-Sept 2015	
						Two way communication system	Product development and delivery	**Continuing** April 2010-Dec 2014	
						IR laser absorption based compact sensor to detect toxic chemical agents	Product development and delivery	**Continuing** July 2013-June 2016	

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			Non-Plan	Plan Budget	Comp IEBR				
						RAM-Rustom II UAV	Product development and delivery	**New project** March 2014-Sept 2015	
						Development of 403 MHz & 1680 MHz Radiosonde and receiver system	Product development and delivery	**Continuing** April 2013-Dec 2014	
						Dual frequency monopulse antenna	Technology development and delivery of antenna	**New project** January 2014-June 2015	
						Two RF channel CDMA receivers	Product development and delivery	**New project** Oct-2013-Sept 2015	
						Spread spectrum transmitter	Product development and delivery	**New project** Oct-2013-Sept 2015	
						Antenna for communications	Product development and delivery	**New project** Oct-2013-Sept 2015	
		To provide test and measurement services and to undertake training and consultancy in areas of core competence.				Test, measurement and Design consultancy services Calibration and reference to support EMI test instrumentation Conduct training and	Test assignments for EMI/EMC, Antennas and thermal design and analysis.	Analyze the product design for its EMC and make test plan for its	

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Sl. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2014-15 (Rupees in crore)			Quantifiable Deliverables/ Physical Outputs	Projected Outcomes	Process/ Time basis	Remarks/ Risk Factors
			Non-Plan	Plan Budget	Comp IEBR				
						consultancy and guiding students to carry out projects for their engineering degrees.	Training of manpower	compliance to international standard. Incase of non-Compliance , Offer EMC design assistance. **Timeline:** Continuous Activity	
		Strengthening institutional infrastructure to support ongoing programmes				Construction of Residential quarters for Scientists and utility building at Navi Mumbai . Construction of Scientist Hostel building at SAMEER , Powai campus through HSCL.	Execution and creating infrastructure	Timeline : 20-24 months	
		To keep pace with rapidly changing technology by continuous training of its manpower				Deputation of staff in India/Abroad to attend workshop, conference and seminars. To invite experts to deliver talks/seminars at SAMEER Centres.	Interaction with national and international experts and exchange of ideas	Timeline: Continuous activity.	

Financial Outlays & projected Physical Outputs/Outcomes for 2014-15

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			Non-Plan	Plan Budget	Comp IEBR				
18	**Convergence, Communi-cations and Strategic Electronics**	To undertake and support R&D projects in the area of Convergence, Communications, Strategic Electronics and Networking Technologies	-	26.00 (Incl. 3.00 Cr. for NER)	-	Initiation of around 20 projects in the following area: Next Generation Convergent Communication technologies, Cloud Computing/ Communication over Cellular Network, Advanced Networks and Mobile Adhoc Network, LTE, beyond 4G/5G, Big Data analytics for societal applications & disaster management, Green communication, Internet of Things, Cyber Physical System, Wireless Sensor Networks, Multilingual broadcast applications, Strategic Electronics, EMI/EMC, microwave, millimeterwave and THz wireless application.	The R&D will lead to establishing indigenous capability in emerging technologies.	On an average 4 to 5 projects in quarter are proposed to be initiated. The projects are generally of 1 to 3 years duration.	
19	**Media Lab Asia**	To undertake and facilitate Research, Development and deployment activities	-	10.00 (Incl. 3.00 Cr. for NER)	-	• 4 projects will be initiated in the following areas: ICT – Empowerment of Differently abled ICT – Healthcare ICT – Livelihood	Development and Deployment of ICT based models in thrust areas of Media Lab Asia viz. Livelihood enhancement, Empowerment of the Differently abled,	2 projects will be initiated during 1st quarter 4 projects will be	

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			Non-Plan	Plan Budget	Comp IEBR				
						enhancement ICT – Education	Healthcare and education	initiated during 2nd/3rd quarter	
						• 4 projects will be completed		The projects will be completed as per schedule.	
20	**Components & Materials Development Programme**	• To support infrastructure development and R&D and technology development projects for the development of Electronic Materials at C-MET.	0.60	27.00	17.00	To initiate new projects on E, Aerogel super capacitors, Fiber Laser Modules, Fuel cell using nano .	• E-waste recycling , energy storage and generation, Fiber lasers for medical application,	May 14 to March 15	
		• To support development and initiatives to eradicate the issues related to				To complete the on-going projects • Piezoelectric multilayer actuator	To develop super capacitor, Piezoelctric Multilayer Actuator, broadband EMI	Feb. 2015	

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Financial Outlays & projected Physical Outputs/Outcomes for 2014-15

Sl. No	Name of Scheme/ Programme	Objective/ Outcome	Outlay 2014-15 (Rupees in crore)			Quantifiable Deliverables/ Physical Outputs	Projected Outcomes	Process/ Time basis	Remarks/ Risk Factors
			Non-Plan	Plan Budget	Comp IEBR				
		electronics products affecting the environment.				• Carbon Aerogel & Aerocapacitor. • EMI Shielding by Nano materials • organic based photovoltaic solar cells • Solar cells fabrication by CBD technique • National Photonics Fellowship • Optical isolators. • UV LED Development. • Wave-Front Sensors Development. • Dev. of Aprons, Glass & Curtains from Lead-Free X-ray absorbing materials • Organic Film Transistors.	Shielding, photovoltaic solar cells. Flexible Transitors, LEDs, Optical Sensors and Osolators		
		To nurture photonic technologies relevant in IT and optical communication as well as develop technologies in the broader application areas of Photonics through sponsored R & D projects				To monitor the progress of on-going projects: • Sustainability & upgradation of (RoHS) lab • FBG sensor for railway pantograph • Thulium doped Laser for Medical use • Photovoltaic Devices • Graphene supercapacitors • Lithium-ion cell	• To develop E-waste recycling technology for PCB, green energy generation, Thermistors and Laser technology for medical application, Sensors for Railway applications etc.	March 2015	

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						• QD based Solar cells • thermal sensor monitoring for early detection and screening of breast cancer • .Photoconducting Paste for Thick Film.			
		C-MET: To support R & D projects for the development of Electronic Materials				**Integrated Electronics Packaging** • Development of LTCC materials and packages. • Development of microwave circuit boards	**C-MET:** To support R & D projects for the development of Electronic Materials	0.60	
						Nano scale Materials and Composites • Preparation of quantum dots • Preparation of Nanocomposites		March, 2015	
						Ultra high purity materials • Wide band gap (WBG) SiC single crystals. • High purity Ga and Ge		March, 2015	
						E-Waste management • Environmentally sound methods for recovery of metals		March, 2015	
						NABL accredited facilities • Services to industrial sector		March, 2015	
						Materials for Renewable			

Financial Outlays & projected Physical Outputs/Outcomes for 2014-15

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			Non-Plan	Plan Budget	Comp IEBR				
						Energy • Nanocomposites for solar cells • Nanostructured materials as a Photocatalyst for hydrogen generation • Development of graphene based super capacitors for energy storage		March, 2015	
						Materials for sensors and Actuators • Development of actuators • Development of thermal sensor		March, 2015	
21	**R&D in Medical Electronics and Health Informatics**	To promote development of medical electronic equipment, rehabilitation devices and Health Informatics Systems.	-	10.00 (Incl. 2.00 Cr. for NER)	-	Completion of benchmarking of Batch Fabrication Facility for Linear Accelerator (LINAC) machines at SAMEER, Mumbai	Facility for production of LINAC machines will become operational	December 2014	Unforeseen delay in benchmarking of the facility by third party.
						TOT of indigenously developed medical electronics products.	Commercialisation of Medical Electronics products	March 2015	There could be delay due to unforeseen disagreement with industry partner taking technology.
						Deployment of three remaining Linear	Creation of facility for cancer treatment at	December 2014	Commissioning

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						Accelerator machines for cancer treatment.	three hospitals		of the LINAC machine is linked with site preparation at hospitals and approval by AERB.
						Initiation of new R&D projects in the area of Medical Electronics & Health Informatics areas	Launching of new projects in identified thrust areas	March 2015	
22	**Others**	Secretariat	37.30	50.80	-	To meet running expenditure of the Secretariat and Plan Schemes	To run office smoothly.	On continuation basis	
		Foreign Trade	60.20	-	-	CST reimbursement of STPI Units	Export Promotion		
		Exhibitions, Seminars, Workshops, etc	1.30	-	-	To organize exhibitions, seminars, workshops, etc for promotion of trade and development of electronics in IT	Promotion of trade, electronics and IT/ITeS industry		