

MINISTRY OF COMMUNICATIONS AND INFORMATION TECHNOLOGY**DEMAND NO. 15****Department of Electronics and Information Technology**

A. The Budget allocations, net of recoveries, are given below:

Major Head	Actual 2014-2015			Budget 2015-2016			Revised 2015-2016			<i>(In crores of Rupees)</i> Budget 2016-2017		
	Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total
Revenue	3255.11	112.56	3367.67	2420.85	62.00	2482.85	2552.85	59.00	2611.85	2960.89	128.82	3089.71
Capital	130.49	...	130.49	147.15	...	147.15	147.15	...	147.15	239.11	...	239.11
Total	3385.60	112.56	3498.16	2568.00	62.00	2630.00	2700.00	59.00	2759.00	3200.00	128.82	3328.82
BE 2016-2017												
1. Secretariat-Economic Services	3451	...	...	...	...	...	...	...	...	...	104.96	104.96
2. National Informatics Centre	2552	...	...	...	...	...	...	...	...	80.00	...	80.00
	3451	...	...	...	...	...	...	...	...	645.00	...	645.00
	4552	...	...	...	...	...	...	...	...	10.00	...	10.00
	5475	...	...	...	...	...	...	...	...	65.00	...	65.00
<i>Total</i>	...	...	...	...	...	...	...	...	...	800.00	...	800.00
3. Unique Identification Authority of India (UIDAI)	2552	...	...	...	...	...	...	...	...	6.00	...	6.00
	3451	...	...	...	...	...	...	...	...	680.89	...	680.89
	5475	...	...	...	...	...	...	...	...	113.11	...	113.11
<i>Total</i>	...	...	...	...	...	...	...	...	...	800.00	...	800.00
4. Regulatory Authorities												
4.01 Standardisation Testing and Quality Certification (STQC)	2552	...	...	...	...	...	...	...	...	4.00	...	4.00
	2852	...	...	...	...	...	...	...	...	85.00	7.00	92.00
	4552	...	...	...	...	...	...	...	...	6.00	...	6.00
	4859	...	...	...	...	...	...	...	...	10.00	...	10.00
<i>Total</i>	...	...	...	...	...	...	...	...	...	105.00	7.00	112.00
4.02 Cyber Security	2552	...	...	...	...	...	...	...	...	7.00	...	7.00
	2852	...	...	...	...	...	...	...	...	48.00	...	48.00
	4859	...	...	...	...	...	...	...	...	15.00	...	15.00
<i>Total</i>	...	...	...	...	...	...	...	...	...	70.00	...	70.00
4.03 Controller of Certifying Authorities	2852	...	...	...	...	...	...	...	...	8.00	...	8.00
<i>Total- Regulatory Authorities</i>	...	...	...	...	...	...	...	...	...	183.00	7.00	190.00

(In crores of Rupees)

	Major Head	Actual 2014-2015			Budget 2015-2016			Revised 2015-2016			Budget 2016-2017		
		Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total
5. Digital India Programme													
5.01 Manpower Development	2552	...	...	...	...	...	...	...	...	...	65.00	...	65.00
	2852	...	...	...	...	...	...	...	...	...	300.00	...	300.00
	<i>Total</i>	...	...	...	...	...	...	...	...	...	<i>365.00</i>	...	<i>365.00</i>
5.02 Electronic Governance	2552	...	...	...	...	...	...	...	...	...	65.00	...	65.00
	2852	...	...	...	...	...	...	...	...	...	355.00	...	355.00
	<i>Total</i>	...	...	...	...	...	...	...	...	...	<i>420.00</i>	...	<i>420.00</i>
5.03 Externally Aided Projects (e-Governance)	2852	...	...	...	...	...	...	...	...	...	50.00	...	50.00
5.04 National Knowledge Network	2552	...	...	...	...	...	...	...	...	...	50.00	...	50.00
	2852	...	...	...	...	...	...	...	...	...	200.00	...	200.00
	<i>Total</i>	...	...	...	...	...	...	...	...	...	<i>250.00</i>	...	<i>250.00</i>
5.05 Promotion of Electronics and IT Hardware Manufacturing	2852	...	...	...	...	...	...	...	...	...	50.00	...	50.00
	4859	...	...	...	...	...	...	...	...	...	20.00	...	20.00
	<i>Total</i>	...	...	...	...	...	...	...	...	...	<i>70.00</i>	...	<i>70.00</i>
5.06 Promotion of IT/ITeS Industries	2852	...	...	...	...	...	...	...	...	...	5.00	...	5.00
5.07 R&D in IT/Electronics/CCBT	2552	...	...	...	...	...	...	...	...	...	11.00	...	11.00
	2852	...	...	...	...	...	...	...	...	...	111.00	...	111.00
	<i>Total</i>	...	...	...	...	...	...	...	...	...	<i>122.00</i>	...	<i>122.00</i>
5.08 Foreign Trade and Export Promotion	3453	...	...	...	...	...	...	...	...	...	...	3.10	3.10
<i>Total- Digital India Programme</i>		...	...	...	...	...	...	...	...	...	<i>1282.00</i>	<i>3.10</i>	<i>1285.10</i>
6. Assistance to Autonomous and Other Bodies													
6.01 Centre for Development of Advanced Computing (C-DAC)	2552	...	...	...	...	...	...	...	...	...	10.00	...	10.00
	2852	...	...	...	...	...	...	...	...	...	73.00	3.50	76.50
	<i>Total</i>	...	...	...	...	...	...	...	...	...	<i>83.00</i>	<i>3.50</i>	<i>86.50</i>
6.02 Society for Applied Microwave Electronics Engineering and Research (SAMEER)	2552	...	...	...	...	...	...	...	...	...	5.00	...	5.00
	2852	...	...	...	...	...	...	...	...	...	30.00	3.50	33.50
	<i>Total</i>	...	...	...	...	...	...	...	...	...	<i>35.00</i>	<i>3.50</i>	<i>38.50</i>
6.03 Centre for Materials for Electronic Technology (C-MET)	2852	...	...	...	...	...	...	...	...	...	12.00	1.00	13.00
6.04 National Institute of Electronics and Information Technology (NIELIT)	2852	...	...	...	...	...	...	...	...	...	...	5.76	5.76

(In crores of Rupees)

	Major Head	Actual 2014-2015			Budget 2015-2016			Revised 2015-2016			Budget 2016-2017			
		Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total	
6.05	Media Lab Asia (MLA)	2552	...	...	...	...	...	...	...	...	...	1.00	...	1.00
		2852	...	...	...	...	...	...	...	...	...	4.00	...	4.00
	<i>Total</i>		...	...	...	...	...	...	...	...	...	5.00	...	5.00
	<i>Total- Assistance to Autonomous and Other Bodies</i>		...	...	...	...	...	...	...	...	...	135.00	13.76	148.76
RE 2015-2016														
7.	Secretariat-Economic Services	3451	39.06	34.23	73.29	58.00	39.04	97.04	58.00	37.04	95.04	...	...	...
Telecommunications and Electronics Industries														
8.	National Informatics Centre	2852	86.33	...	86.33	84.00	...	84.00	86.00	...	86.00	...	...	...
		3451	588.96	...	588.96	481.00	...	481.00	579.00	...	579.00	...	...	...
		5475	104.27	...	104.27	65.00	...	65.00	65.00	...	65.00	...	...	...
	<i>Total</i>		779.56	...	779.56	630.00	...	630.00	730.00	...	730.00	...	...	...
9.	Technology Development Council Projects (Incl. ITRA)	2852	49.95	...	49.95	...	...	...	...	...	...	...	...	...
10.	Education Research Network (ERNET)	2852	...	...	...	...	...	...	...	...	...	...	...	...
11.	Components & Material Development Programme	2852	27.00	0.60	27.60	...	0.60	0.60	...	0.60	0.60	...	...	...
12.	Micro - Electronics and Nano-Technology Development Programme - NMC	2852	74.40	...	74.40	...	...	...	...	...	...	...	...	...
13.	Centre for Development of Advanced Computing (C-DAC)	2852	147.99	3.00	150.99	65.00	3.00	68.00	84.00	3.00	87.00	...	...	...
14.	Society for Applied Microwave Electronics Engineering and Research (SAMEER)	2852	50.00	3.00	53.00	...	3.00	3.00	...	3.00	3.00	...	...	...
15.	Standardisation Testing and Quality Certification (STQC)	2852	69.76	6.30	76.06	84.00	7.00	91.00	84.00	7.00	91.00	...	...	...
		4859	11.48	...	11.48	9.00	...	9.00	9.00	...	9.00	...	...	...
	<i>Total</i>		81.24	6.30	87.54	93.00	7.00	100.00	93.00	7.00	100.00	...	...	...
16.	Facilitation of Setting-up of Integrated townships	2852	...	...	...	...	...	...	...	...	...	...	...	...
17.	Digital India programme and manpower development for skill in IT and IT for masses	2852	656.13	...	656.13	625.00	...	625.00	449.80	...	449.80	...	...	...
18.	Convergence, Communication & Strategic Electronics	2852	26.00	...	26.00	...	...	...	...	...	...	...	...	...
19.	R&D in Medical Electronics and Health Informatics (erstwhile Electronics in Health & Telemedicine)	2852	9.00	...	9.00	...	...	...	...	...	...	...	...	...
20.	<i>Other programmes</i>													
	20.01 Exhibition in Electronics	2250	...	...	...	...	...	...	...	...	...	...	...	...
	20.02 Foreign Trade	3453	...	59.60	59.60	...	3.10	3.10	...	2.60	2.60	...	...	...

(In crores of Rupees)

	Major Head	Actual 2014-2015			Budget 2015-2016			Revised 2015-2016			Budget 2016-2017		
		Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total
20.03 Other Schemes	2852	...	0.57	0.57	10.00	1.00	11.00	...	0.50	0.50	...	...	...
<i>Total- Other programmes</i>		...	60.17	60.17	10.00	4.10	14.10	...	3.10	3.10	...	...	...
21. Lumpsum provision for projects/schemes for the benefit of North East Region and Sikkim	2552	...	...	...	243.85	...	243.85	256.85	...	256.85	...	...	...
	4552	...	...	...	13.15	...	13.15	13.15	...	13.15	...	...	...
<i>Total</i>		...	...	...	257.00	...	257.00	270.00	...	270.00	...	...	...
22. <i>Digital India Programme & Electronics Governance (incl. (i) Prog. on Good Governance and best practices, (ii) Prog. on enabling all Schools with virtual Classrooms)</i>													
22.01 Programme Component	2852	318.37	...	318.37	407.00	...	407.00	447.00	...	447.00	...	...	...
22.02 EAP Component	2852	92.26	...	92.26	...	...	...	25.00	...	25.00	...	...	...
<i>Total- Digital India Programme & Electronics Governance (incl. (i) Prog. on Good Governance and best practices, (ii) Prog. on enabling all Schools with virtual Classrooms)</i>		410.63	...	410.63	407.00	...	407.00	472.00	...	472.00	...	...	...
23. Technology Development for Indian Languages	2852	24.17	...	24.17	...	...	...	...	...	...	...	...	...
24. Cyber Security (incl. CERT-In, IT Act)	2852	43.85	...	43.85	55.00	...	55.00	40.00	...	40.00	...	...	...
	4859	14.74	...	14.74	60.00	...	60.00	40.00	...	40.00	...	...	...
<i>Total</i>		58.59	...	58.59	115.00	...	115.00	80.00	...	80.00	...	...	...
25. Promotion of IT/ITeS Industry (erstwhile Software Technology Parks of India and EHTP)	2852	4.00	...	4.00	80.00	...	80.00	150.10	...	150.10	...	...	...
26. IT for Masses	2852	...	...	...	...	...	...	...	...	...	...	...	...
27. National Institute of Electronics & Information Technology (NIELIT) (erstwhile DOEACC)	2852	10.00	5.26	15.26	93.00	5.26	98.26	109.10	5.26	114.36	...	...	...
28. Promotion of Electronics/IT Hardware Manufacturing	2852	67.86	...	67.86	...	...	...	...	...	...	...	...	...
	4859	...	...	...	...	...	...	20.00	...	20.00	...	...	...
<i>Total</i>		67.86	...	67.86	...	...	...	20.00	...	20.00	...	...	...
29. National Knowledge Network	2852	300.00	...	300.00	135.00	...	135.00	184.00	...	184.00	...	...	...
30. Media Lab Asia	2852	...	...	...	...	...	...	...	...	...	...	...	...
31. Controller of Certifying Authorities(CCA)	2852	4.98	...	4.98	...	...	...	...	...	...	...	...	...
32. Actuals Recoveries	2852	-84.87	...	-84.87	...	...	...	...	...	...	...	...	...
	3451	-0.06	...	-0.06	...	...	...	...	...	...	...	...	...
<i>Total</i>		-84.93	...	-84.93	...	...	...	...	...	...	...	...	...
Total-Telecommunications and Electronics Industries State and UT Plan		2696.57	78.33	2774.90	2510.00	22.96	2532.96	2642.00	21.96	2663.96	...	...	...
33. National e-Governance Action Plan (NeGAP)	2552	...	...	...	...	...	...	...	...	...	...	...	...

(In crores of Rupees)

Major Head	Actual 2014-2015			Budget 2015-2016			Revised 2015-2016			Budget 2016-2017			
	Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total	
3601	644.97	...	644.97	...	...	...	...	...	...	...	...	...
3602	5.00	...	5.00	...	...	...	...	...	...	...	...	...
<i>Total</i>	<i>649.97</i>	<i>...</i>	<i>649.97</i>	<i>...</i>	<i>...</i>	<i>...</i>	<i>...</i>	<i>...</i>	<i>...</i>	<i>...</i>	<i>...</i>	<i>...</i>	
Grand Total	3385.60	112.56	3498.16	2568.00	62.00	2630.00	2700.00	59.00	2759.00	3200.00	128.82	3328.82	
Head of Dev	Budget Support	IEBR	Total	Budget Support	IEBR	Total	Budget Support	IEBR	Total	Budget Support	IEBR	Total	
B. Investment in Public Enterprises													
1.01 NIELIT/SAMEER/C-DAC.etc	12859	...	879.48	879.48	...	897.93	897.93	...	1331.77	1331.77	...	1514.94	1514.94
Total	...	879.48	879.48	...	897.93	897.93	...	1331.77	1331.77	...	1514.94	1514.94	
C. Plan Outlay													
Central Plan:													
1. Telecommunication and Electronic Industries	12859	2107.67	879.48	2987.15	1772.00	897.93	2669.93	1793.00	1331.77	3124.77	1376.00	1514.94	2890.94
2. Secretariat-Economic Services	13451	627.96	...	627.96	539.00	...	539.00	637.00	...	637.00	1504.00	...	1504.00
3. North Eastern Areas	22552	257.00	...	257.00	270.00	...	270.00	320.00	...	320.00
Total - Central Plan	2735.63	879.48	3615.11	2568.00	897.93	3465.93	2700.00	1331.77	4031.77	3200.00	1514.94	4714.94	
State Plan:													
1. National e-Governance Action Plan (NeGAP)	43601	644.97	...	644.97
Total - State Plan	644.97	...	644.97	...	...	...	...	...	...	...	...	...
Union Territory Plans :													
Union Territory Plans (with Legislature)													
1. National e-Governance Action Plan (NeGAP)	43602	5.00	...	5.00
Total - Union Territory Plans	5.00	...	5.00	...	...	...	...	...	...	...	...	...
Total	3385.60	879.48	4265.08	2568.00	897.93	3465.93	2700.00	1331.77	4031.77	3200.00	1514.94	4714.94	

1. **Secretariat-Economic Services:** It provides for secretariat expenditure of the Department of Electronics & Information Technology.

2. **National Informatics Centre (NIC):** National Informatics Centre (NIC), an attached office of the Department of Electronics & Information Technology (DeitY), is a premier Scientific/Technical organization providing e-Governance ICT Infrastructure, applications and services for the delivery of citizen centric services. NIC has been playing a major role in development and implementation of e-Governance applications for important socio-economic sectors. The role of NIC has become pivotal in the implementation of ICT based initiatives at the central/state government level. One of the major responsibilities of NIC is to keep strategic control of these e-Governance applications on behalf of the government. NIC has been responsible for country-wide implementation of various e-Governance projects including many Mission Mode Projects of the department.

3. **Unique Identification Authority of India (UIDAI):** UIDAI aims to provide Aadhaar, an identity infrastructure for delivery of various social welfare programs and effective targeting of these services. It can also be utilized by other enterprise and service providers for enhancing the quality of their service delivery. It adds value to the entire range of applications and services that involve confirmation /verification as Aadhaar uniquely establishes online authentication of the identity of individuals through biometric attributes which determines Proof of Identity and Proof of Presence.

4. **Regulatory Authorities:**

4.01. **Standardisation Testing and Quality Certification (STQC):** STQC Directorate, an attached office of the DeitY, provides testing, calibration, training and certification services to the industry for assuring quality and reliability of electronics and information technology (IT) products.

4.02. **Cyber Security:** Cyberspace today is the common tool used by citizens, civil society, businesses and Government for communication and dissemination of information. The objective is to adopt a holistic approach towards securing the cyber space of the country by pursuing multiple initiatives like Security Policy, Compliance and Assurance, Security, Incident-Early warning & Response, Security Training, Security specific R&D, Enabling Legal Framework and Collaboration.

4.03. **Controller of Certifying Authorities (CCA):** Office of Controller of Certifying Authorities (CCA) has been created under Section 17 of the Information Technology Act, 2000. Office of CCA issues licences to Certifying Authorities (CAs) for issue of Digital Signature Certificates (DSC). CCA certifies the Public Keys of CAs, lays down the standards to be maintained by CAs and carries out other functions as included in Section 18 of the IT Act, 2000. The Public Key Infrastructure (PKI) in the country has been established by the CCA in accordance with the legal and administrative framework laid down in the IT Act, 2000.

5. **Digital India Programme:**

5.01. **Manpower Development Programme:** The objective of the programme is to ensure availability of trained human resources for the manufacturing & service sectors of electronics and IT industry. Initiatives include identifying gaps emerging from the formal sector and planning programmes in non-formal and formal sectors for meeting these gaps

5.02. **Electronics Governance:** The objective of e-Governance, in broader terms, is to deliver all Government services electronically to the citizens in his/her locality through integrated and inter-operable systems via multiple modes, while ensuring efficiency, transparency & reliability of such services at affordable costs.

5.04. **National Knowledge Network (NKN):** The scheme has been initiated for establishing the National Knowledge Network with multiple gigabit bandwidth to connect Knowledge Institutions across the country.

5.05. **Promotion of Electronics/IT Hardware Manufacturing:** The Government has been taking several initiatives on continuous basis for promotion of electronics manufacturing in the country to provide an enabling environment for the industry to compete globally. Electronics manufacturing is one of the important pillars of Digital India Programme and target to achieve net zero imports is a striking demonstration of intent. The demand for electronics hardware is expected to rise rapidly and India has the potential to become an electronics hardware manufacturing hub and contribute significantly to the GDP, employment opportunities and exports.

5.07. **R&D in IT/Electronics/CCBT:** The value addition in manufacturing has been systematically can be enhanced by increasing the Intellectual Property (IP) content and also undertaking translational research and development. Proliferation and absorption of emerging technology by supporting R&D is one of the important objectives of this program apart from creating essential R&D infrastructure and scientific & technical human capital. The outcome of these endeavours is expected to increase the start-up base in the country, enhance the IP portfolio, development of indigenous technology and know-how and its transfer to Indian companies for manufacturing. The focussed R&D being supported by the department are classified as R&D in Electronics (Electronics System Design & Application; Electronic Component & Material Technology including technology for e-waste processing; Nano and Microelectronics including Semiconductor Integrated Circuit Layout Design Registry (SICLDR); Medical Electronics & Health Informatics; and Innovation Promotion & start-ups); R&D in IT

(High Performance Computing (HPC) including National Supercomputing Mission, Perception Engineering, Bioinformatics; Free & Open Source Software; Green and Ubiquitous Computing; Digital Preservation) and R&D in CC&BT (Next Generation Communication-5G & beyond, Cognitive & Software Defined Radio and Networks, Cloud Communications, IoT, Big Data Analytics, Broadband Wireless Technology and Strategic Electronics).

5.08. **Foreign Trade and Export Promotion:** To reimburse Central Sales Tax (CST) to Electronics Hardware Technology Parks (EHTP) and Software Technology Park (STP) units as per Foreign Trade Policy.

6. **Assistance to Autonomous and Other Bodies:**

6.01. **Centre for Development of Advanced Computing (C-DAC):** It is a premier R&D organization for carrying out R&D in IT, Electronics and associated areas. It has 11 centers in the cities of Bengaluru, Chennai, Delhi, Hyderabad, Kolkata, Mohali, Mumbai, Noida, Pune, Silchar and Thiruvananthapuram. Working in close conjunction with DeitY, C-DAC realizes policy of nation and pragmatic interventions and initiatives in Information Technology and Electronics. Some of the thrust areas in which C-DAC is currently working includes High Performance, Grid and Cloud Computing (including National Supercomputing Mission), Multilingual Computing, Professional Electronics, Software Technologies, Cyber Security and Cyber Forensics, Health Informatics, and Education & Training.

6.02. **Society for Applied Microwave Electronics Engineering and Research (SAMEER):** It is a registered scientific society of the Department working in high technology areas of microwaves, milli-meterwaves and electro-magnetics with the specific goal of developing applications for these technologies with its five centres at Mumbai, Chennai, Kolkata, Visakhapatnam and Guwahati.

6.03. **Centre for Materials for Electronics Technology (C-MET):** It is a registered scientific society of the DeitY working in high technology electronic materials of Ultrapure electronic materials & Compound semiconductors, electronic waste recycling technologies & RoHS compliance, Materials for Renewable energy, Microwave dielectrics & packaging, Multilayer ceramics for actuators & sensors for smart cities, Supercapacitors, with its three centres at Pune, Hyderabad and Thrissur. A new centre is also planned on Tera Hertz materials for Homeland Security

6.04. **National Institute of Electronics and Information Technology (NIELIT):** It is registered scientific society under DeitY and is engaged in capacity building business in both formal and non-formal sector of education in the area of IT, ESDM, Communication Technologies, Hardware, Cyber Law, Cyber Securities, IPR, GIS Cloud Computing, e-Governance VLSI, embedded systems and related verticals. It also accredits Institutes/Organisations for conducting courses particularly in the non-formal sector of IT Education and Training and is also premier Institution and preferred organisation for Examination and Certification. Presently, it has a network of 32 own Centers with above 900 accredited institutions in PPP model throughout the country.

6.05. **Media Lab Asia (MLA):** It is a Section 25 Company under DeitY which focuses on bringing the benefits of ICT solutions to the common man in the area of Livelihood Generation, Empowerment of Disabled, Healthcare and Education.