MINISTRY OF ELECTRONICS AND INFORMATION TECHNOLOGY

DEMAND NO. 27

Ministry of Electronics and Information Technology

(In ₹ crores)

	Actual 2020-2021			Budget 2021-2022			Revised 2021-2022			Budget 2022-2023		
	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total
Gross	5172.57	350.63	5523.20	9274.66	446.00	9720.66	9174.25	407.00	9581.25	13911.99	388.01	14300.00
Recoveries	*-126.90*	...	*-126.90*	...	...	...	...	...	...	...	...	...
Receipts	...	...	...	...	...	...	...	...	...	...	...	...
Net	**5045.67**	**350.63**	**5396.30**	**9274.66**	**446.00**	**9720.66**	**9174.25**	**407.00**	**9581.25**	**13911.99**	**388.01**	**14300.00**

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

CENTRE'S EXPENDITURE

Establishment Expenditure of the Centre

	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total
1. Secretariat	92.89	...	92.89	109.33	...	109.33	104.07	...	104.07	109.82	...	109.82
2. National Informatics Centre	1076.30	231.89	1308.19	1150.00	250.00	1400.00	1150.00	250.00	1400.00	1192.00	258.00	1450.00
3. Regulatory Authorities												
3.01 Standardization Testing and Quality Certification (STQC)	95.13	4.01	99.14	110.00	10.00	120.00	104.91	10.00	114.91	110.00	10.00	120.00
3.02 Cyber Security (CERT-In)	37.00	54.73	91.73	60.00	156.00	216.00	66.30	147.00	213.30	95.00	120.00	215.00
3.03 Controller of Certifying Authorities (CCA)	6.71	...	6.71	9.00	...	9.00	8.00	...	8.00	9.00	...	9.00
Total- Regulatory Authorities	*138.84*	*58.74*	*197.58*	*179.00*	*166.00*	*345.00*	*179.21*	*157.00*	*336.21*	*214.00*	*130.00*	*344.00*
Total-Establishment Expenditure of the Centre	**1308.03**	**290.63**	**1598.66**	**1438.33**	**416.00**	**1854.33**	**1433.28**	**407.00**	**1840.28**	**1515.82**	**388.00**	**1903.82**

Central Sector Schemes/Projects

DIGITAL INDIA Program

	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total
4. Electronic Governance												
4.01 Program Component	389.99	...	389.99	400.00	...	400.00	500.00	...	500.00	500.00	...	500.00
4.02 EAP Component	15.00	...	15.00	25.00	...	25.00	35.00	...	35.00	25.00	...	25.00
Total- Electronic Governance	*404.99*	...	*404.99*	*425.00*	...	*425.00*	*535.00*	...	*535.00*	*525.00*	...	*525.00*
5. Manpower Development	190.00	...	190.00	400.00	...	400.00	400.00	...	400.00	350.00	...	350.00
6. National Knowledge Network	584.00	...	584.00	500.00	...	500.00	500.00	...	500.00	650.00	...	650.00
7. Promotion of Electronics and IT HW Manufacturing (MSIPS, EDF and Manufacturing Clusters)	418.62	60.00	478.62	2601.32	30.00	2631.32	2014.00	...	2014.00	2402.99	0.01	2403.00
8. PLI for Large Scale Electronics and IT Hardware	...	...	...	...	...	...	...	...	...	5300.00	...	5300.00
9. Promotion of IT/ITeS Industries	98.55	...	98.55	150.00	...	150.00	100.00	...	100.00	100.00	...	100.00
10. Cyber Security Projects	79.99	...	79.99	200.00	...	200.00	339.00	...	339.00	300.00	...	300.00

(In ₹ crores)

		Actual 2020-2021			Budget 2021-2022			Revised 2021-2022			Budget 2022-2023		
		Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total
11.	R and D in IT/Electronics/CCBT	420.91	...	420.91	700.00	...	700.00	700.00	...	700.00	598.17	...	598.17
12.	Pradhan Mantri Gramin Digital Saksharta Abhiyan (PMGDISHA)	250.00	...	250.00	300.00	...	300.00	300.00	...	300.00	250.00	...	250.00
13.	Promotion of Digital payment	523.48	...	523.48	1500.00	...	1500.00	1500.00	...	1500.00	200.00	...	200.00
14.	Champion Service Sector Scheme	...	...	...	0.01	...	0.01	...	...	...	0.01	...	0.01
Total-DIGITAL INDIA Program		**2970.54**	**60.00**	**3030.54**	**6776.33**	**30.00**	**6806.33**	**6388.00**	**...**	**6388.00**	**10676.17**	**0.01**	**10676.18**
Total-Central Sector Schemes/Projects		**2970.54**	**60.00**	**3030.54**	**6776.33**	**30.00**	**6806.33**	**6388.00**	**...**	**6388.00**	**10676.17**	**0.01**	**10676.18**
Other Central Sector Expenditure													
Autonomous Bodies													
15.	Centre for Development of Advanced Computing (C-DAC)	127.00	...	127.00	200.00	...	200.00	217.00	...	217.00	250.00	...	250.00
16.	Centre for Materials for Electronics and Information Technology (C-MET)	40.00	...	40.00	80.00	...	80.00	78.00	...	78.00	100.00	...	100.00
17.	Society for Applied Microwave Electronics Engineering and Research (SAMEER)	88.00	...	88.00	120.00	...	120.00	116.00	...	116.00	150.00	...	150.00
18.	Unique Identification Authority of India (UIDAI)	613.00	...	613.00	600.00	...	600.00	884.97	...	884.97	1110.00	...	1110.00
19.	Bhaskaracharya National Institute for Space Applications and Geo-Information	20.00	...	20.00	50.00	...	50.00	48.00	...	48.00	100.00	...	100.00
Total-Autonomous Bodies		**888.00**	**...**	**888.00**	**1050.00**	**...**	**1050.00**	**1343.97**	**...**	**1343.97**	**1710.00**	**...**	**1710.00**
Others													
20.	Digital India Corporation erstwhile Media Lab Asia	6.00	...	6.00	10.00	...	10.00	9.00	...	9.00	10.00	...	10.00
21.	Actual Recoveries	-126.90	...	-126.90	...	...	...	...	...	...	...	...	...
Total-Others		**-120.90**	**...**	**-120.90**	**10.00**	**...**	**10.00**	**9.00**	**...**	**9.00**	**10.00**	**...**	**10.00**
Total-Other Central Sector Expenditure		**767.10**	**...**	**767.10**	**1060.00**	**...**	**1060.00**	**1352.97**	**...**	**1352.97**	**1720.00**	**...**	**1720.00**
Grand Total		*5045.67*	*350.63*	*5396.30*	*9274.66*	*446.00*	*9720.66*	*9174.25*	*407.00*	*9581.25*	*13911.99*	*388.01*	*14300.00*
B. Developmental Heads													
Economic Services													
1.	Industries	3263.73	...	3263.73	6734.69	...	6734.69	6396.41	...	6396.41	10432.55	...	10432.55
2.	Secretariat-Economic Services	1168.94	...	1168.94	1259.33	...	1259.33	1254.07	...	1254.07	1301.82	...	1301.82
3.	Census Surveys and Statistics	613.00	...	613.00	600.00	...	600.00	884.97	...	884.97	1110.00	...	1110.00
4.	Capital Outlay on Telecommunication and Electronic Industries	...	118.74	118.74	...	196.00	196.00	...	157.00	157.00	...	130.01	130.01
5.	Capital Outlay on Other General Economic Services	...	231.89	231.89	...	250.00	250.00	...	250.00	250.00	...	258.00	258.00
Total-Economic Services		**5045.67**	**350.63**	**5396.30**	**8594.02**	**446.00**	**9040.02**	**8535.45**	**407.00**	**8942.45**	**12844.37**	**388.01**	**13232.38**
Others													
6.	North Eastern Areas	...	...	...	680.64	...	680.64	638.80	...	638.80	1067.62	...	1067.62
Total-Others		**...**	**...**	**...**	**680.64**	**...**	**680.64**	**638.80**	**...**	**638.80**	**1067.62**	**...**	**1067.62**

(In ₹ crores)

	Actual 2020-2021			Budget 2021-2022			Revised 2021-2022			Budget 2022-2023		
	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total
Grand Total	**5045.67**	**350.63**	**5396.30**	**9274.66**	**446.00**	**9720.66**	**9174.25**	**407.00**	**9581.25**	**13911.99**	**388.01**	**14300.00**

1.   **Secretariat:** The provision is for establishment related expenditure of the Secretariat.

2.   **National Informatics Centre:** National Informatics Centre (NIC), an attached office of the Ministry of Electronics & Information Technology (MeitY), is a premier Scientific/Technical organization providing e-Governance ICT Infrastructure, applications and services for the delivery of citizen centric services.

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

3.02.   **Cyber Security (CERT-In):** Cyber Security (CERT-In): In accordance with the provisions contained under the IT Act 2000, CERT-In has been established. CERT-In serves as the national agency to perform various functions in the area of cyber security like collection, analysis and dissemination of information on cyber incidents, issue of guidelines, advisories, vulnerability notes and whitepapers relating to information security practices, procedures, prevention, response and reporting of cyber incidents, etc.

3.03.   **Controller of Certifying Authorities (CCA):** 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.

4.   **Electronic 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 and reliability of such services at affordable costs. The World Bank supported India: e-Delivery of Public Services project is an externally aided project under Electronic Governance Scheme under which financial support is extended for various e-governance initiatives of the Centre and States/UTs in the broad areas of policies, human resources, technology, project development, etc.

5.   **Manpower Development:** The objective of the programme is to ensure availability of trained human resources for the manufacturing and 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.

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

7.   **Promotion of Electronics and IT HW Manufacturing   (MSIPS, EDF and Manufacturing Clusters):** The Government has been taking several initiatives 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 the Digital India and Make in India Programmes. Its target to achieve net zero imports is a striking demonstration of intent. The National Policy on Electronics 2019 (NPE 2019) envisions positioning India as a global hub for Electronics System Design and Manufacturing (ESDM) by encouraging and driving capabilities in the country for developing core components, including chipsets and creating an enabling environment for the industry to compete globally.

8.   **PLI for Large Scale Electronics and IT Hardware:** The two Production Linked Incentive (PLI) Schemes offer production linked incentives to boost domestic manufacturing and attract large investments in Mobile Phones & Specified Electronic Components, and IT Hardware respectively. Under the PLI Scheme for Mobile Phones & Specified Electronic Components, incentives of 6% to 3% shall be extended on incremental sales (over the base year 2019-20) of goods manufactured in India and covered under the target segment to eligible companies for a period of five years. Under the PLI Scheme for IT Hardware, incentives of 4% to 2% shall be extended on incremental sales (over the base year 2019-20) of goods manufactured in India and covered under the target segments of Laptops, Servers, Tablets and All-in-One PCs to eligible companies for a period of four years.

9.   **Promotion of IT/ITeS Industries:** Two schemes (NEBPS and IBPS) under IT for Jobs pillar have been launched under Digital India Programme to incentivize BPO/ITES operations across the country, particularly digitally deficit areas for creation of employment opportunities for the youths and the balanced regional growth of IT/ITES Industry.

10.   **Cyber Security Projects:** The objective of the scheme 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, Enabling Legal Framework and Collaboration.

11.   **R and D in IT/Electronics/CCBT:** 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 technologies and know-how and its transfer to Indian companies for manufacturing. The focused R&D being supported by the department are classified as R&D in Electronics (Electronics System Design & Application, Microelectronics, Nanoelectronics, Electronic Component & Material Technology, Medical Electronics & Health Informatics, Innovation Promotion & start-ups, National Language Technology Mission (NLTM) under TDIL, High Performance Computing (HPC) including National Supercomputing Mission); R&D in IT (Blockchain, Quantum Technologies, Artificial Intelligence, Perception Engineering and Data Analytics); 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); and Security Specific R&D.

12.   **Pradhan Mantri Gramin Digital Saksharta Abhiyan (PMGDISHA):** The scheme is aimed at empowering the citizens in rural areas by imparting them training to operate computer or digital access devices, especially for digital payments to actively participate in the process of nation building.

13.   **Promotion of Digital payment:** Promotion of Digital Payments has been accorded highest priority by the Government of India to bring each and every segment of our country under the formal

fold of digital payment services. The vision is to provide facility of seamless digital payment to all citizens of India in a convenient, easy, affordable, quick and secure manner.

14.   **Champion Service Sector Scheme:** This scheme has identified 12 Champion Services Sectors for promoting their development, realizing potential to increase export, generate employment and improving quality and standards. The Information Technology & Information Technology enabled Services (IT & ITeS) is one of the 12 identified sectors with Ministry of Electronics & Information Technology being the nodal ministry.

15.   **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 12 centers in the cities of Bengaluru, Chennai, Delhi, Hyderabad, Kolkata, Mohali, Mumbai, Noida, Patna, Pune, Silchar and Thiruvananthapuram. 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.

16.   **Centre for Materials for Electronics and Information Technology (C-MET):** It is a registered scientific society of MeitY working in high technology electronic materials which includes LTCC electronic packaging, energy storage materials (Rechargeable battery, super capacitors, hydrogen storage), Renewable energy materials(solar cell, hydrogen and fuel cell), Additive manufacturing with photonics and 2D materials including quantum materials and nanomaterials. C-MET is also working onUltrapure electronic materials Compound semiconductors (SiC), electronic waste recycling technologies & RoHS compliance, And, also Microwave dielectrics materials & packaging, Multilayer ceramics for actuators/sensors &plasmonic materials   sensors for biomedical application.

17.   **Society for Applied Microwave Electronics Engineering and Research (SAMEER):** It is a registered scientific society of MeitY 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.

18.   **Unique Identification Authority of India (UIDAI):** Unique Identification Authority of India (UIDAI) has been established' to implement the Aadhaar (Targeted Delivery of Financial and Other Subsidies, Benefits and Services) Act, 20t6, to provide for, as good governance, efficient, transparent and targeted delivery of subsidies, benefits and services, the expenditure for which is incurred from the Consolidated Fund of India/ Consolidated Fund of States. Hence, it aims at providing 'good governance', through the fair and just execution of welfare services of the Government. It provides a unique identity to each resident, towards ease of living.

19.   **Bhaskaracharya National Institute for Space Applications and Geo-Information:** It is an Autonomous Scientific Society, registered under the Societies Registration Act, 1860 under MeitY, to undertake technology development and management, research and development, facilitate National and International cooperation, capacity building and support technology transfer and entrepreneurship development in the area of geo-spatial technology.

20.   **Digital India Corporation erstwhile Media Lab Asia:** It is a Section 8 Company under MeitY 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.