

MINISTRY OF COMMUNICATIONS AND INFORMATION TECHNOLOGY**DEMAND NO. 16****Department of Information Technology**

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

		<i>(In crores of Rupees)</i>								
Major Head	Budget 2004-2005			Revised 2004-2005			Budget 2005-2006			
	Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total	
Revenue	700.50	36.00	736.50	600.50	35.00	635.50	838.30	36.00	874.30	
Capital	49.50	...	49.50	49.50	...	49.50	91.00	...	91.00	
Total	750.00	36.00	786.00	650.00	35.00	685.00	929.30	36.00	965.30	
1. Secretariat-Economic Services <i>Telecommunications and Electronics Industries</i>	3451	10.50	19.00	29.50	10.50	18.00	28.50	9.70	19.00	28.70
2. National Informatic Centre	3451	157.60	...	157.60	157.60	...	157.60	172.00	...	172.00
	5475	34.40	...	34.40	34.40	...	34.40	62.00	...	62.00
	<i>Total</i>	<i>192.00</i>	...	<i>192.00</i>	<i>192.00</i>	...	<i>192.00</i>	<i>234.00</i>	...	<i>234.00</i>
3. Technology Development Council Projects	2852	5.00	...	5.00	5.00	...	5.00	17.00	...	17.00
4. Industrial Electronics Promotion Programme including Robotics	2852	2.50	...	2.50	2.50	...	2.50	...	...	...
5. Semi Conductor Complex Ltd.	2852	10.00	...	10.00	...	...	...	0.10	...	0.10
6. Electronics Component & Material Development Programme	2852	5.50	0.60	6.10	5.50	0.60	6.10	10.00	0.60	10.60
7. Micro - Electronics and Nano Technology Development Programme - NMC	2852	4.00	...	4.00	4.00	...	4.00	40.00	...	40.00
8. Centre for Development of Advanced Computing (C-DAC)	2852	40.00	3.00	43.00	40.00	3.00	43.00	60.00	3.00	63.00
9. Society for Applied Microwave Electronics Engineering and Research (SAMEER)	2852	18.00	3.00	21.00	18.00	3.00	21.00	20.00	3.00	23.00
10. Standardisation Activities Programme	2852	23.00	4.30	27.30	23.00	4.30	27.30	24.00	4.30	28.30
	4859	7.50	...	7.50	7.50	...	7.50	14.00	...	14.00
	<i>Total</i>	<i>30.50</i>	<i>4.30</i>	<i>34.80</i>	<i>30.50</i>	<i>4.30</i>	<i>34.80</i>	<i>38.00</i>	<i>4.30</i>	<i>42.30</i>
11. Special Manpower for ASIC Design	2852	10.00	...	10.00	10.00	...	10.00	12.00	...	12.00
12. Manpower Development for Software Export	2852	7.00	...	7.00	7.00	...	7.00	20.00	...	20.00
13. Photonics/Optoelectronics	2852	3.00	...	3.00	3.00	...	3.00	...	...	...
14. Transport & Power Electronics	2852	3.50	...	3.50	3.50	...	3.50	...	...	...
15. Development of Strategic Electronics Equipments	2852	3.00	...	3.00	3.00	...	3.00	6.00	...	6.00
16. Educational Research NetWork (ERNET)	2852	0.20	...	0.20	0.20	...	0.20	...	...	...
17. Electronics for Rural/Social/Agri./ Water Sector	2852	0.20	...	0.20	0.20	...	0.20	...	...	...
18. Electronics in Health & Bio- Informatics	2852	6.00	...	6.00	6.00	...	6.00	14.00	...	14.00
19. Employment Generation including SC/ST Backward Region and North East	2852	1.00	...	1.00	1.00	...	1.00	...	...	...
20. ESC & Export Market Development Programme	2852	8.50	...	8.50	8.50	...	8.50	...	...	...
21. Other programmes										
21.01 Exhibition in Electronics	2250	...	0.80	0.80	...	0.80	0.80	...	0.80	0.80
21.02 Foreign Trade	3453	...	3.10	3.10	...	3.10	3.10	...	3.10	3.10
21.03 IPR Promotion Programme	2852	1.00	...	1.00	1.00	...	1.00	1.00	...	1.00
21.04 Other Schemes	2852	1.60	0.50	2.10	1.60	0.50	2.10	...	0.50	0.50
	<i>Total</i>	<i>2.60</i>	<i>4.40</i>	<i>7.00</i>	<i>2.60</i>	<i>4.40</i>	<i>7.00</i>	<i>1.00</i>	<i>4.40</i>	<i>5.40</i>
22. Aid Material & Equipments- Gross Deduct - Transfers to functional Major head	3606	...	0.50	0.50	...	0.50	0.50	...	2.50	2.50
	3606	...	-0.50	-0.50	...	-0.50	-0.50	...	-2.50	-2.50
Net-Aid Materials & Equipments	<i>Total</i>	...	...	...	...	...	...	...	...	...
23. Lumpsum provision for projects/ schemes for the benefit of North East Region and Sikkim	2552	67.40	...	67.40	67.40	...	67.40	78.00	...	78.00
	4552	7.60	...	7.60	7.60	...	7.60	15.00	...	15.00
	<i>Total</i>	<i>75.00</i>	...	<i>75.00</i>	<i>75.00</i>	...	<i>75.00</i>	<i>93.00</i>	...	<i>93.00</i>

(In crores of Rupees)

Major Head	Budget 2004-2005			Revised 2004-2005			Budget 2005-2006			
	Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total	
24. Community Information Centres(CICs)	2852	5.00	...	5.00	...	5.00	30.00	...	30.00	
25. Electronics Governance	2852	193.00	...	193.00	175.20	...	175.20	266.00	...	266.00
26. Technology Development for Indian Language	2852	7.00	...	7.00	7.00	...	7.00	7.00	...	7.00
27. E-Commerce and Info-Security (incl. Smart Cards)	2852	8.00	...	8.00	8.00	...	8.00	8.00	...	8.00
28. IT Bill/Certification & Network Security	2852	4.00	...	4.00	2.80	...	2.80	7.00	...	7.00
29. Software Technology Parks India and EHTP	2852	6.00	...	6.00	...	...	2.00	...	...	2.00
30. Media Lab Asia	2852	65.00	...	65.00	...	...	1.00	...	...	1.00
31. IT for Masses (incl. Citizen Portals)	2852	7.00	...	7.00	7.00	...	7.00	6.00	...	6.00
32. Promotion/R&D in IT/Special IT Projects	2852	6.00	...	6.00	6.00	...	6.00	...	...	...
33. Vidya Vahini & Gyan Vahini Programme	2852	1.00	...	1.00	1.00	...	1.00	1.50	...	1.50
34. DOEACC	2852	5.00	1.70	6.70	5.00	1.70	6.70	6.00	1.70	7.70
35. Digital DNA Park	2852	5.00	...	5.00	5.00	...	5.00	10.00	...	10.00
36. Setting up of Mega Fab	2852	...	...	...	...	...	10.00	...	...	10.00
Grand Total		750.00	36.00	786.00	650.00	35.00	685.00	929.30	36.00	965.30
B. Investment in Public Enterprises	Head of Dev.	Budget Support	I.E.B.R	Total	Budget Support	I.E.B.R	Total	Budget Support	I.E.B.R	Total
1. Semi Conductor Complex Ltd.	12859	...	0.05	0.05	...	0.05	0.05	...	...	...
<i>Total</i>		...	<i>0.05</i>	<i>0.05</i>	...	<i>0.05</i>	<i>0.05</i>	...	...	...
Other Institutions/Bodies										
NCST/SAMEER/SEPP/C-DAC.etc	12859	...	139.22	139.22	...	139.22	139.22	...	158.26	158.26
Total		...	139.27	139.27	...	139.27	139.27	...	158.26	158.26
C. Plan Outlay										
1. Telecommunications and Electronics Industries	12859	506.90	139.27	646.17	406.90	139.27	546.17	654.60	158.26	812.86
2. Secretariat-Economic Services	13451	168.10	...	168.10	168.10	...	168.10	181.70	...	181.70
3. North Eastern Areas	22552	75.00	...	75.00	75.00	...	75.00	93.00	...	93.00
Total		750.00	139.27	889.27	650.00	139.27	789.27	929.30	158.26	1087.56

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

2. **National Informatic Centre (NIC):** National Informatics Centre (NIC) is the nodal S&T organization providing network backbone and e-governance support to the Central Government departments, States, UTs and District Administrations in the country. It is a Network Infrastructure Facility Provider, Network Service Provider, Application Service Provider and Content ASP.

3. **Technology Development Council Projects (TDC):** The Programme aims to promote and support Research Designed Development and Engineering in the areas of Computer and Computer Communications Control and Instrumentation Consumer Electronics Telecommunication and Broadcasting.

5. **Semi Conductor Complex Ltd. (SCL):** The objective of SCL is to meet the specific requirement of the strategic Organisation specifically for their mission oriented projects and to design and develop process technologies targeting products in the identified niche areas such as Tele-communication Electronic Energy Meters, Smart Cards.

6. **Electronics Material Development Programme (EMDP):** Its objective is to develop a strong R&D/technology base for electronics materials and to meet future needs of the electronics industry and to support goal oriented R&D projects for critical and priority electronics materials at appropriate R&D institutions and industry.

7. **Micro Electronics and Nano-Technology Development Programme (MEDP):** The objective of the programme is to build a strong base in the country covering manpower, R&D and technology at academic institutions, R&D laboratories and industry

and also promote the usage of Application Specific Integrated Circuits (ASICs) for the indigenous electronics Industry.

8. **Centre for Development of Advanced Computing (C-DAC):** It is a registered scientific society of the Department in the field of computing & communication and applications arising out of it.

9. **Society for Applied Microwave Electronics Engineering and Research (SAMEER):** It is an R&D organisation working in high technology areas of microwaves, milli-meterwaves and electro-magnetics with the specific goal of developing applications for these technologies.

10. **Standardisation Testing and Quality Certification Programme (STQC):** It provides testing and calibration services to the industries for improvement of quality and reliability of electronics components and products.

11. **Special Manpower for VLSI Design:** The objective is to train special manpower in the areas of VLSI/Design and related software involving Research Centres and participating institutions.

12. **Manpower Development for Software Export:** The objective of the programme is to create and strengthen the specialised manpower required to support the growing software export industry and to achieve the targeted export.

15. **Development of Strategic Electronic Equipment:** Its objective is to support technology development activities in the area of RADAR, Navigational aids, SONAR, Underwater, Electronics Systems, LASER and Infra-red based systems, Security systems, Disaster Management Systems, Future Air Navigation Systems and other strategic electronics systems.

18. **Electronics in Health:** The Department has been actively engaged in promoting technology development efforts in the area of medical electronic devices and rehabilitation devices for their commercial production in the country. To promote the market for indigenous medical electronic devices the department has initiated the deployment of such medical electronic devices in a number of hospitals in the country in order to gain the confidence of the medical community.

21. **Other Programmes:** The provision includes expenditure on Exhibition in Electronics, IPR Promotion Programme, Vidya Vahini Gyan Vahini Programme, Foreign Trade and Other Schemes.

22. **Aid Material & Equipment:** Under the Programme external assistance in the form of material, equipment and other commodities is shown.

23. **Lump-sum provision for North-Eastern Region and Sikkim:** As per Government instructions, 10% of the Central Plan Allocation is to be earmarked for projection of the schemes and the benefit of the North-Eastern Region and Sikkim.

24. **Community Information Centres (CICs):** The CICs provide e-mail, internet access, citizen centric services through CIC portal (www.cic.nic.in) and web-based services such as agri-market information, hospital bookings and board examination results

25. **Electronics Governance:** Increasingly deploys Information and Communication Technologies (ICT) to streamline Government internal functioning and to improve its interface with Citizen and businesses for delivery of its services. The goal is to reach beyond the current efforts to "reinvent government" by identifying break through strategies, improve service delivery, reduce cost and redefine administrative processes. The objective also includes ensuring provision of basic minimal infrastructure throughout the country for connectivity and access at affordable cost.

26. **Technology Development for Indian Language (TDIL):** This Programme aims at development of Information Technology tools and content in Indian Languages.

27. **E-Commerce & Info-Security:** The aim of E-Commerce is to provide a complete legal and regulatory framework for e-commerce in the country and to promote awareness of various characteristics of information security and e-commerce and its benefits to business and commerce.

28. **IT Bill/Certification & Network Security:** Three Certifying Authorities have been licensed for issuing digital signature certificates in the country. These include - National Informatics Centre (NIC), Institute for Development and Research in Banking Technology (IDRBT) and Tata Consultancy Services (TCS).

29. **Software Technology Parks of India (STPI):** STPI is registered society under administrative control of the Department. It has been set up to promote the Indian Industry in the field of export of IT Software and Services through its promotional activities. It has been delegated powers to operate, implement and monitor various export oriented schemes of the Government of India in the field of Information Technology.

30. **Media-Lab Asia:** Media Lab Asia is a network of national laboratories dedicated to bring the benefits of state-of-the-art technologies to masses. It is an ambitious 10-Year plan for meeting the grand challenges in learning, health and enterprise.

31. **IT for Masses (Tele-medicine):** The internetworking of computers and development of Communication Technologies have opened the possibility of deployment of low cost telemedicine system. Telemedicine primarily refers to the use of telecommunications for diagnosis and treatment of diseases and is an emergent mode of healthcare delivery at a distance especially to the under-served rural.

33. **Vidya Vahini & Gyan Vahini Programme:** This programme was initiated in the year 2002-03 to ensure an effective education technology system in place and to have national level programme to connect higher learning institutions to take technology to the classrooms. Two specific programmes, namely, "Vidya Vahini" and "Gyan Vahini" Networks for connectivity to Government Senior Secondary Schools and upgradation of IT infrastructure at higher learning institutions respectively are being taken up. The goal is to have an integrated voice, data and video network extended to every school and educational institution during the Xth Plan so that every student gets multifaceted basic skills and competency required to manage information and to communicate.

34. **DOEACC :** DOEACC is a joint effort of Department of Information Technology, and All India Council for Technical Education (AICTE) for the development of technical education, including computer education, in the country. The objective of the Scheme is to generate qualified manpower in the area of Information Technology (IT) at the national level, by utilizing the facilities and infrastructure available with the institutions/organisations in the non-formal sector.

35. **Digital DNA Park :** BioTech-DNA parks are envisaged with a focus to provide the right infrastructure and space for R&D purpose and to enhance the growth of the Biotechnology sector in India. BioTech or DNA parks are to be developed to encourage entrepreneurship and to improve the competitiveness of the BioTech industry.

36. **Setting-up of Mega Fab Microelectronics** is a core enabling technology for electronics and IT. The very Large Scale Integrated Circuit (ICs) are the basic building blocks for realizing the hardware used in electronics and IT. Due to increasing importance of ICs not only in the development of the hardware industry but also to the economics growth through technological sophistication, declining prices, improved performance and higher quality of products, Governments in developed as well as developing countries have taken a pro-active role in setting up of mega fabs through appropriate incentives packages covering trade and tariff policy, subsidies, tax holidays, financial assistance etc. The provision for setting up of mega fabs is, thus, in the nature of an enabling mechanism for the financial participation of Governments in setting up such facilities in the country.