MINISTRY OF COMMUNCATIONS AND INFORMATION TECHNOLOGY

DEMAND NO. 16

Department of Information Technology

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

(In crores of Rupees)

	Major Head	Budget 2003-2004			Revised 2003-2004			Budget 2004-2005		
		Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total
Revenue		431.10	32.66	463.76	436.10	37.66	473.76	700.50	36.00	736.50
Capital		*38.90*	*…*	*38.90*	*58.90*	*…*	*58.90*	*49.50*	*…*	*49.50*
Total		**470.00**	**32.66**	**502.66**	**495.00**	**37.66**	**532.66**	**750.00**	**36.00**	**786.00**
1. Secretariat-Economic Services	3451	10.50	17.46	27.96	10.50	17.46	27.96	10.50	19.00	29.50
Telecommunications and Electronics Industries										
2. National Informatic Centre	3451	138.80	…	138.80	138.80	…	138.80	157.60	…	157.60
	5475	26.90	…	26.90	46.90	…	46.90	34.40	…	34.40
	Total	*165.70*	*…*	*165.70*	*185.70*	*…*	*185.70*	*192.00*	*…*	*192.00*
3. Technology Development Council Projects	2852	6.00	…	6.00	6.00	…	6.00	5.00	…	5.00
4. Industrial Electronics Promotion Programme including Robotics	2852	2.50	…	2.50	2.50	…	2.50	2.50	…	2.50
5. Semi Conductor Complex Ltd.	2852	6.00	…	6.00	…	…	…	10.00	…	10.00
6. Electronics Component & Material Development Programme	2852	5.50	0.60	6.10	5.50	0.60	6.10	5.50	0.60	6.10
7. Micro-Electronics and Nano Technology Development Programme - NMC	2852	3.00	…	3.00	3.00	…	3.00	4.00	…	4.00
8. Centre for Development of Advanced Computing (C-DAC)	2852	25.50	3.00	28.50	25.50	3.00	28.50	40.00	3.00	43.00
9. Society for Applied Microwave Electronics Engineering and Research (SAMEER)	2852	13.00	3.00	16.00	14.70	3.00	17.70	18.00	3.00	21.00
10. Standardisation Activities Programme	2852	22.00	4.30	26.30	23.30	4.30	27.60	23.00	4.30	27.30
	4859	7.50	…	7.50	7.50	…	7.50	7.50	…	7.50
	Total	*29.50*	*4.30*	*33.80*	*30.80*	*4.30*	*35.10*	*30.50*	*4.30*	*34.80*
11. Special Manpower for ASIC Design	2852	3.50	…	3.50	0.50	…	0.50	10.00	…	10.00
12. Manpower Development for Software Export	2852	5.00	…	5.00	7.50	…	7.50	7.00	…	7.00
13. Photonics/Optoeletronics	2852	3.00	…	3.00	3.00	…	3.00	3.00	…	3.00
14. Transport & Power Electronics	2852	3.50	…	3.50	3.50	…	3.50	3.50	…	3.50
15. Devlopment of Strategic Electronics Equipments	2852	3.00	…	3.00	3.00	…	3.00	3.00	…	3.00
16. Educational Research NetWork (ERNET)	2852	6.00	…	6.00	8.00	…	8.00	0.20	…	0.20
17. Electronics for Rural/Social/Agri./ Water Sector	2852	1.00	…	1.00	1.00	…	1.00	0.20	…	0.20
18. Electronics in Health & Bio-Informatics	2852	6.00	…	6.00	6.00	…	6.00	6.00	…	6.00
19. Employment Generation including SC/ST Backward Region and North East	2852	…	…	…	…	…	…	1.00	…	1.00
20. ESC & Export Market Development Programme	2852	7.00	…	7.00	12.00	…	12.00	8.50	…	8.50
21. Other programmes										
21. 01 Exhibition in Electronics	2250	…	0.70	0.70	…	0.70	0.70	…	0.80	0.80
21.02 Foreign Trade	3453	…	1.60	1.60	…	6.60	6.60	…	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	1.70	0.30	2.00	0.80	0.30	1.10	1.60	0.50	2.10
	Total	*2.70*	*2.60*	*5.30*	*1.80*	*7.60*	*9.40*	*2.60*	*4.40*	*7.00*
22. Aid Material & Equipments-Gross	3606	…	2.50	2.50	…	2.50	2.50	…	0.50	0.50
Deduct - Transfers to functional Major head	3606	…	-2.50	-2.50	…	-2.50	-2.50	…	-0.50	-0.50
Net-Aid Materials & Equipments										
23. Lumpsum provision for projects/ schemes for the benefit of North	2552	42.50	…	42.50	42.50	…	42.50	67.40	…	67.40
East Region and Sikkim	4552	4.50	…	4.50	4.50	…	4.50	7.60	…	7.60
	Total	*47.00*	*…*	*47.00*	*47.00*	*…*	*47.00*	*75.00*	*…*	*75.00*
24. Community Information Centres(CICs)	2852	…	…	…	20.00	…	20.00	5.00	…	5.00

(In crores of Rupees)

	Major Head	Budget 2003-2004			Revised 2003-2004			Budget 2004-2005		
		Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total
25. Electronics Governance	2852	36.50	...	36.50	40.00	...	40.00	193.00	...	193.00
26. Technology Development for Indian Language	2852	6.00	...	6.00	6.00	...	6.00	7.00	...	7.00
27. E-Commerce and Info-Security (incl. Smart Cards)	2852	10.00	...	10.00	10.00	...	10.00	8.00	...	8.00
28. IT Bill/Certification & Network Security	2852	6.00	...	6.00	5.00	...	5.00	4.00	...	4.00
29. Software Technology Parks India and EHTP	2852	6.00	...	6.00	6.00	...	6.00	6.00	...	6.00
30. Media Lab Asia	2852	0.10	...	0.10	...	...	...	65.00	...	65.00
31. IT for Masses (incl. Citizen Portals)	2852	16.00	...	16.00	10.00	...	10.00	7.00	...	7.00
32. Promotion/R&D in IT/Special IT Projects	2852	16.00	...	16.00	10.50	...	10.50	6.00	...	6.00
33. Vidya Vahini & Gyan Vahini Programme	2852	5.00	...	5.00	5.00	...	5.00	1.00	...	1.00
34. IT Venture Capital	2852	5.00	...	5.00	...	...	...	...	...	...
35. DOEACC	2852	5.00	1.70	6.70	5.00	1.70	6.70	5.00	1.70	6.70
36. Digital DNA Park	2852	3.50	...	3.50	...	...	...	5.00	...	5.00
Grand Total		**470.00**	**32.66**	**502.66**	**495.00**	**37.66**	**532.66**	**750.00**	**36.00**	**786.00**

	Head of Dev.	Budget Support	I.E.B.R	Total	Budget Support	I.E.B.R	Total	Budget Support	I.E.B.R	Total
B. Investment in Public Enterprises										
1. Semi Conductor Complex Ltd.	12859	...	4.50	4.50	...	4.50	4.50	...	0.05	0.05
Total		*...*	*4.50*	*4.50*	*...*	*4.50*	*4.50*	*...*	*0.05*	*0.05*
Other Institutions/Bodies										
NCST/SAMEER/SEPP/C-DAC.etc	12859	...	102.95	102.95	...	102.95	102.95	...	139.22	139.22
Total		*...*	*107.45*	*107.45*	*...*	*107.45*	*107.45*	*...*	*139.27*	*139.27*
C. Plan Outlay										
1. Telecommunications and Electronics Industries	12859	320.70	107.45	428.15	345.70	107.45	453.15	581.90	139.27	721.17
2. Secretariat-Economic Services	13451	149.30	...	149.30	149.30	...	149.30	168.10	...	168.10
Total		*470.00*	*107.45*	*577.45*	*495.00*	*107.45*	*602.45*	*750.00*	*139.27*	*889.27*

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

2.   **National Informatics Centre (NIC):** National Informatics Centre (NIC) is a nodal S&T Organisation for Informatic Development and networking in Government and Public Sector for e-governance and decision support. It is providing network backbone and e-governance support to Central Government Departments States/UTs/ District administration in the country. This apart NIC has been imparting training to Central Government employees on a regular basis.

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.

4.   **Industrial Electronics Promotion Programme (IEPP):** The Programme aims to promote system engineering culture in the country through industrial automation and training development and introduction of appropriate technologies.

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

8.   **Centre for Development of Advanced Computing (C-DAC):** is a registered scientific society of the Department and is engaged in the field of computing & communication advance technology 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 ASIC Design:** The objective is to train special manpower in the areas of VLSI/Design and related software at B.E/B.Tech., M.E/M. Tech. and Ph.D. level involving 7 Research Centres and 12 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.

13. **Photonics Development Programme:** The main objective of the programme is to develop Photonics technologies and application in coordination with other national agencies and to build the technology and industrial basis in certain selected areas of Photonics.

14. **Transport & Power Electronics Development Programme and Pollution Control:** The main objective of the programme is to promote application of electronics in infrastructure sector like transport, power distribution, water management and public safety services to improve quality of service, productivity, conservation of energy, environmental pollution control and employment generation and also to ensure a modern infrastructure sector in India making full use of the local expertise and electronics industry.

15. **Convergence, Communication and Strategic Electronics:** 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.

16. **ERNET Project-Educational and Research Network:** Its objective is to strengthen national capabilities in the area of computer networking and data communication, to make it competitive by world standard and to carry the benefits to nationwide academic and research community, industry and variety of users.

17. **Electronics for Rural/Social/Agriculture/Water Sector:** Its objective is to identify the projects, schemes and programmes concerning application of electronics relating to rural development including social welfare, waste land development, agriculture and agro processing areas etc. in consultation with institutions, laboratories, departments as well as non Government organisations.

18 **Electronics in Health and Bio-Informatics Technology:** Its objective is to promote indigenous technology and its applications in the medical and bio technology sector. Efforts are also put to improve the quality of health related services by introducing wide spectrum of electronics techniques like uses of communication networking, computer matching, microwave heating.

19 **Employment Generation Training Scheme:** The scope of the EGTS Programme encompasses employment generation using IT as a means for skill development. The unemployed educated youth in rural areas and weaker section candidates can enhance their employment potential by learning "O" level and "A" level computer courses which help them in getting employment in IT Industry.

20. **Electronics and Computer Software Export Promotion Council (ESC):** Its objective is to support, protect, maintain, increase and promote the exports of electronic goods, computer software and related services and promote and develop use of electronics in other products, through market studies, gathering market intelligence abroad, conducting public campaigns, propagation of information relevant to manufacturers/ trade/shippers maintaining liaison with different agencies, enquiring and investigating into complaints of foreign importers etc.

21. **Other Programmes:** Other schemes include two on-going small programmes namely; Electronics Industry Information Programme (EIIP), and Semi-conductor Layout Design Act, 2000 and a new programme namely Setting-up of Maga Fab.

21.03. **IPR Promotion Programme:** The new WTO regime has put up challenges for enhanced IPR awareness amongst scientists, engineers, software developers, entrepreneurs of trade industry and research. The objective of the programme is to create intellectual property awareness through seminars/symposia etc. and impart training to provide support-alongwith manuals, guidelines, topical reports and consultancy for promotion of IPR in Electronics and IT Industry.

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

24. **Community Information Centres (CICs):** Department of Information Technology is implementing a scheme for setting up of Community Information Centres (CICs) at 487 Block head-quarters in the seven North Eastern States using information Technology to accelerate socio-economic development of the region.

25. **Electronics Governance:** E-Governance is the use of Information Technology and Communication Technologies to improve efficiency, convenience, accessibility and transparency in Government. The major emphasis is to focus on these objectives from the perspective of the citizen and businesses. Various IT activities such as development of software applications packages, creation of E-Governance infrastructure, National ID, citizen Databases, GIS/GPS, Smart Card and digital/Educational content etc. are being taken up on pilot basis.

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 (incl Smart Cards):** 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 and Network Security:** The Office of Controller of Certifying Authority (CCA) is a statutory body set-up under the Information Technology Act, 2000. The objective of CCA is to facilitate the usage of Digital Signature, to grant licenses to the prospective Certifying Authority, creation of awareness amongst industry/business community/public of the benefits of e-transnational /e-records to promote e-commerce.

29. **Software Technology Parks of India (STPI):** STPI is a registered society under administrative control of MIT. It has been set up to promote the Indian Industry in the field of export of IT Software and Services.

30. **Media-Lab Asia:** Media Lab Asia is a network of national laboratories dedicated to bring the benefits of sate-of-the-art technologies to masses. It is an ambitious 10-Year plan for meeting the grand challenges in learning, health and enterprise. The role of the Media Lab Asia is to facilitate the invention, refinement, and dissemination of innovations that benefit the masses. The Media Lab Asia will work with industry, NGOs, and government to bring these innovations to every village in India.

31. **Information Technology for Masses:** The objectives of the programme are bridging digital divide issues, impact of IT and IT enabled services on the lives of common man for empowering the masses.

32. **Special IT Projects:** The special IT Projects Division aims to strengthen the percolation of multi-disciplinary influences of IT in the social and economic fabric of India. Various Pilot Projects and special incentive schemes would be addressed / supported for manpower and entrepreneurship development in the focused areas.

33.   **Vidya Vahini & Gyan Vahini Programme:** This new programme has been taken 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. Keeping the objective, 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. 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.

35.   **DOEACC:** DOEACC is a joint scheme 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 Scheme is administered by the DOEACC Society, an autonomous body of the Department of Information Technology, Ministry of Communications & Information Technology, Govt. of India.

36.   **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 improve the competitiveness of the Bio Tech industry.