MINISTRY OFCOMMUNCATION AND INFORMATION TECHNOLOGY

DEMAND NO. 14

Department of Information Technology

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

(In crores of Rupees)

	Major Head	Budget 2001-2002			Revised 2001-2002			Budget 2002-2003		
		Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total
Revenue		319.40	27.20	346.60	319.40	30.13	349.53	422.34	30.38	452.72
Capital		*105.60*	*...*	*105.60*	*105.60*	*...*	*105.60*	*47.66*	*...*	*47.66*
Total		**425.00**	**27.20**	**452.20**	**425.00**	**30.13**	**455.13**	**470.00**	**30.38**	**500.38**
1. Secretariat-Economic Services	3451	10.00	14.70	24.70	10.00	16.18	26.18	10.24	16.43	26.67
Telecommunications and Electronics Industries										
2. National Informatic Centre	3451	133.43	...	133.43	133.43	...	133.43	143.92	...	143.92
	5475	31.62	...	31.62	31.62	...	31.62	31.10	...	31.10
	Total	*165.05*	*...*	*165.05*	*165.05*	*...*	*165.05*	*175.02*	*...*	*175.02*
3. Technology Development Council Projects	2852	3.00	...	3.00	2.00	...	2.00	3.50	...	3.50
	7425	2.00	...	2.00	2.00	...	2.00	1.50	...	1.50
4. Industrial Electronics Promotion Programme incl. Robotics	2852	2.50	...	2.50	2.50	...	2.50	2.75	...	2.75
	4859	...	...	...	...	...	...	...	...	...
	7425	0.75	...	0.75	0.75	...	0.75	0.75	...	0.75
	Total	*3.25*	*...*	*3.25*	*3.25*	*...*	*3.25*	*3.50*	*...*	*3.50*
5. Semi Conductor Complex Ltd.	2852	0.03	...	0.03	0.03	...	0.03	0.01	...	0.01
6. Electronics Component & Material Development Programme	2852	5.00	0.50	5.50	4.00	0.60	4.60	5.10	0.60	5.70
7. Micro - Electronics and Nano-Technology Development Programme - NMC	2852	2.70	...	2.70	1.70	...	1.70	2.70	...	2.70
	4859	...	...	...	...	...	...	...	...	...
	7425	0.30	...	0.30	0.30	...	0.30	0.30	...	0.30
	Total	*3.00*	*...*	*3.00*	*2.00*	*...*	*2.00*	*3.00*	*...*	*3.00*
8. Centre for Development of Advanced Computing (C-DAC)	2852	10.00	...	10.00	10.00	...	10.00	10.00	...	10.00
9. National HVDC Project	2852	0.10	...	0.10	0.10	...	0.10	...	...	...
10. Society for Applied Microwave Electronics Engineering and Research (SAMEER)	2852	12.00	2.70	14.70	10.00	3.00	13.00	12.00	3.00	15.00
11. Standardisation Activities Programme	2852	20.00	3.80	23.80	20.00	4.30	24.30	20.00	4.30	24.30
	3601	...	...	...	...	...	...	...	...	...
	4859	7.00	...	7.00	7.00	...	7.00	7.31	...	7.31
	Total	*27.00*	*3.80*	*30.80*	*27.00*	*4.30*	*31.30*	*27.31*	*4.30*	*31.61*
12. Centre For Electronics Design and Technology	2852	4.00	1.50	5.50	4.00	1.70	5.70	4.00	1.70	5.70
13. Special Manpower for ASIC Design.	2852	1.90	...	1.90	1.90	...	1.90	2.00	...	2.00
	4859	0.10	...	0.10	0.10	...	0.10	...	...	...
	Total	*2.00*	*...*	*2.00*	*2.00*	*...*	*2.00*	*2.00*	*...*	*2.00*
14. Software/Hardware Export Promotion	2852	6.00	...	6.00	6.00	...	6.00	...	...	...
15. Electronic Research & Development Centres	2852	8.00	2.70	10.70	8.00	3.00	11.00	8.00	3.00	11.00
16. Manpower Development for Software Export	2852	6.00	...	6.00	6.00	...	6.00	5.00	...	5.00
17. Photonics/Optoeletronics	2852	2.50	...	2.50	1.50	...	1.50	2.50	...	2.50
	7425	0.50	...	0.50	0.50	...	0.50	0.50	...	0.50
18. National Information infrastructure.	2852	5.00	...	5.00	5.00	...	5.00	...	...	...
19. Hi-Tech Investment Park.	2852	0.05	...	0.05	0.05	...	0.05	...	...	...
	4859	...	...	...	...	...	...	...	...	...
	7425	...	...	...	...	...	...	...	...	...
	Total	*0.05*	*...*	*0.05*	*0.05*	*...*	*0.05*	*...*	*...*	*...*
20. Transport & Power Electronics	2852	2.50	...	2.50	2.50	...	2.50	4.60	...	4.60
21. Devlopment of Strategic Electronics Equipments	2852	2.00	...	2.00	2.00	...	2.00	2.00	...	2.00
	7425	1.00	...	1.00	1.00	...	1.00	1.00	...	1.00
	Total	*3.00*	*...*	*3.00*	*3.00*	*...*	*3.00*	*3.00*	*...*	*3.00*
22. Educational Research NetWork	2852	5.00	...	5.00	5.00	...	5.00	0.10	...	0.10
	4859	...	...	...	...	...	...	...	...	...
	Total	*5.00*	*...*	*5.00*	*5.00*	*...*	*5.00*	*0.10*	*...*	*0.10*
23. Electronics for Rural/Social/Agri./ Water Sector.	2852	3.80	...	3.80	2.80	...	2.80	3.80	...	3.80
	4859	0.20	...	0.20	0.20	...	0.20	0.20	...	0.20
	Total	*4.00*	*...*	*4.00*	*3.00*	*...*	*3.00*	*4.00*	*...*	*4.00*

(In crores of Rupees)

	Major Head	Budget 2001-2002			Revised 2001-2002			Budget 2002-2003		
		Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total
24. Electronics in Health & Bio-Informatics	2852	5.00	...	5.00	5.00	...	5.00	5.00	...	5.00
25. Centre for Liquid Crystal Research.	2852	1.70	...	1.70	1.70	...	1.70	1.70	...	1.70
26.Employment Generation including SC/ST Backward Region and North East	2852	1.00	...	1.00	1.00	...	1.00	1.00	...	1.00
27.ESC & Export Market Development Programme	2852	4.00	...	4.00	4.00	...	4.00	4.00	...	4.00
28. Other programmes										
28.01 Exhibition in Electronics	2250	...	0.60	0.60	...	0.60	0.60	...	0.60	0.60
28.02 Foreign Trade	3453	...	0.50	0.50	...	0.50	0.50	...	0.50	0.50
28.03 IPR Promotion Programme.	2852	0.40	...	0.40	0.40	...	0.40	0.40	...	0.40
28.04 Other Schemes	2852	10.19	0.20	10.39	9.19	0.25	9.44	5.85	0.25	6.10
	Total	*10.59*	*1.30*	*11.89*	*9.59*	*1.35*	*10.94*	*6.25*	*1.35*	*7.60*
29. Aid Material & Equipments -Gross	3606	...	2.00	2.00	...	2.00	2.00	...	2.33	2.33
Deduct - Transfers to functional Major head	3606	...	-2.00	-2.00	...	-2.00	-2.00	...	-2.33	-2.33
Net-Aid Materials & Equipments	*Total*	...	...	...	...	...	...	...	...	...
30.Investment in Public Sector Enterprises										
SCL	4859	0.03	...	0.03	0.03	...	0.03	...	...	...
ET&T	6859	0.10	...	0.10	0.10	...	0.10	...	...	...
NICSI	4859	...	...	...	...	...	...	...	...	...
	Total	*0.13*	...	*0.13*	*0.13*	...	*0.13*	...	...	...
31. Lumpsum provision for projects/	2852	...	...	...	...	...	...	...	...	...
schemes for the benefit of	3451	...	...	...	...	...	...	...	...	...
North East Region and Sikkim	4859	...	...	...	...	...	...	...	...	...
	2552	10.00	...	10.00	10.00	...	10.00	...	...	...
	4552	47.00	...	47.00	47.00	...	47.00	...	...	...
	Total	*57.00*	...	*57.00*	*57.00*	...	*57.00*	...	...	...
32. Community Information	2852	7.00	...	7.00	7.00	...	7.00	15.00	...	15.00
Centres(CICs)	4859	15.00	...	15.00	15.00	...	15.00	5.00	...	5.00
	Total	22.00	...	22.00	22.00	...	22.00	20.00	...	20.00
33. Electronics Governance	2852	5.00	...	5.00	5.00	...	5.00	41.17	...	41.17
34. Technology Development for Indian Language	2852	6.00	...	6.00	5.00	...	5.00	6.00	...	6.00
35. E-Commerce and Info-Security (incl. Smart Cards)	2852	4.50	...	4.50	3.60	...	3.60	5.00	...	5.00
36. IT Bill/Certification & Network Security	2852	5.00	...	5.00	5.00	...	5.00	5.00	...	5.00
37. Software Technology Parks India and EHTP	2852	8.00	...	8.00	8.00	...	8.00	8.00	...	8.00
38. Media Lab Asia	2852	0.10	...	0.10	10.00	...	10.00	1.00	...	1.00
39. IT for Masses (incl. Citizen Portals)	2852	2.00	...	2.00	2.00	...	2.00	20.00	...	20.00
40. Promotion/R&D in IT/Special IT Projects	2852	3.00	...	3.00	3.00	...	3.00	21.00	...	21.00
41. Vidya Vahini & Gyan Vahini Programme	2852	...	...	...	...	...	...	30.00	...	30.00
42. IT Venture Capital	2852	1.00	...	1.00	1.00	...	1.00	10.00	...	10.00
Grand Total		***425.00***	***27.20***	***452.20***	***425.00***	***30.13***	***455.13***	***470.00***	***30.38***	***500.38***
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	0.03	2.69	2.72	...	3.00	3.00	...	3.50	3.50
2. CMC Ltd.	12859	...	10.00	10.00	...	...	...	...	...	...
3. ET & T Ltd.	12859	0.10	...	0.10	...	...	...	...	...	...
4. NICSI	12859	...	...	...	...	...	...	...	...	...
Other Institutions/Bodies	*Total*	*0.13*	*12.69*	*12.82*	...	*3.00*	*3.00*	...	*3.50*	*3.50*
NCST/SAMEER/SEPP/C-DAC.etc	12859	...	97.37	97.37	...	97.37	97.37	...	120.08	120.08
Total		**0.13**	**110.06**	**110.19**	**...**	**100.37**	**100.37**	**...**	**123.58**	**123.58**
C. Plan Outlay*:-										
1. Telecommunications and Electronics Industries	12859	277.02	110.06	387.08	277.02	100.37	377.39	311.79	123.58	435.37
2. Secretariat-Economic Services	13451	143.43	...	143.43	143.43	...	143.43	154.16	...	154.16
3. Other Scientific Research	13425	4.55	...	4.55	4.55	...	4.55	4.05	...	4.05
Total		**425.00**	**110.06**	**535.06**	**425.00**	**100.37**	**525.37**	**470.00**	**123.58**	**593.58**

No.14/Department of Information Technology

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

2. National Informatic Centre (NIC): Its main objective is to provide computer support to Central/State Government Departments and District Administrations. NIC has set up a satellite based computer communication network & International EMAIL, INTERNET. File Transfer access to National & International databases etc. NIC has set up local area networks in Central Government Departments and State Government Secretariats.

3. Technology Development Council Projects (TDC): The programme aims to promote and support research, design, development and engineering in the areas of computer and computer communications, control and instrumentation, consumer electronics telecommunications and broadcasting.

4. Industrial Electronics Promotion Programme incl. Robotics: The programme aims to promote system-engineering culture in the country through industrial automation and training development and introduction of appropriate technology.

5. Semi Conductor Complex Ltd. (SCL): Objective of SCL is to design, develop modules & Sub-system, to establish strategic custom design capability and to establish a class-10, six (6) inch wafer fabrication plant having 2000 wafers per month.

Semiconductor Complex Limited was set up in 1983 with activities encompassing both process technology development and product design & development. To design develop and manufacture Very Large Scale Integrated Circuits (VLSIs), to manufacture VLSI based Systems and Sub-Systems, to fulfil strategic needs of the country, to create a strong Research and Development base in VLSI field.

6. Electronics Component & 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 (NMC): The objective of the programme is to build a strong base in the country covering manpower, R&D and technology at academic institution's 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): It is a registered scientific society of the Department in the field of computing & communication and applications arising out of it. Set up over a decade ago, as India's national initiative for design development and delivery of high performance computing (supercomputer systems) and solutions based on parallel processing technology, C-DAC has over the years diversified its activities, transferring the expertise it acquired and technology it developed in the high-end computing to develop and deploy Information Technology (IT) based solutions in various sectors of economy.

10. Society for Applied Microwave Electronics Engineering and Research (SAMEER): It is an R&D organisation working in high technology areas of microwaves, millimeterwaves and electromagnetic with the specific goal of developing applications for these technologies.

11. Standardisation Testing and Quality Certification Programme (STQC): It provides testing, calibration services, Certification services and IT services to the industries for improvement of quality and reliability of electronics components and products. These services are being rendered through a network of STQC laboratories. To focus on IT, separate STQC-IT Centres have been established at six places These Centres are co-located with the existing labs and share common administration. Five Centres (CETEs) have been established at Kolkata, Bangalore, Hyderabad, Pune and Noida. These Centres are functioning as Society under SETE.

12. Centre for Electronics Design and Technology of India (CEDTI): It aims to train manpower in electronics design and technology, to develop entrepreneurs and designers in electronics and also to undertake electronics product development and design in close interaction with industries, R&D labs and academic institutions.

13. 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.

15. Electronics Research and Development Centre of India (ER&DCI): Electronics Research and Development Centre of India (ER&DCI) is a scientific society under Department of Information Technology. The objectives of the society is to initiate R&D Programmes in selected areas on a time bound & Mission Oriented manner in line with National Technology Development Initiatives launched by the Government of India; to undertake "application-oriented", region specific Research, Design and Development in Information Technology and in Electronics; to generate state-of-the-art Producible, Marketable and field maintainable products and systems; to promote accelerated growth of Information Technology in the region; to development of technology in co-operation with private and public sector industries and to develop Human Resources in Hi-Tech areas.

16. 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.

17. 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 base in certain selected areas of Photonics.

20. Transport and Power Electronics: 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.

21. Development of Strategic Electronic Equipments: Its objective is to support technology development activities in the area of RADAR, Navigational aids, SONAR, Underwater, Electronics Systems, Disaster Management Systems, Future Air Navigation Systems and other strategic electronics systems.

22. Educational Research Network (ERNET): 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.

23.   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 the institutions, laboratories, departments as well as non-Governmental organisation engaged Social and Rural Development.

24. Electronics in Health & Bio-Informatics : Its objective is to promote indigenous technology and its applications in the medical and biotechnology 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.

25. Centre for Liquid Crystal Research: Its main objective is to collaborate with Bharat Electronics Limited to improve the manufacturing process and increase the yield for electronics instruments, petrol bunk displays, airport and railway station displays and to design new liquid crystalline materials, both low molecular weight and macromolecular (polymer) systems, which are of interest not only from the fundamental point of view but also important technologically.

26. Employment Generation including SC/ST/Backward Regions and NE: The objective is to implement an employment generation training scheme for the educated unemployed youths belonging to SC/ST and weaker sections of society. The scheme has been implemented in North- Eastern States including Sikkim.

27. ESC & Electronics Export Market Development Programme : Its objective is to support, protect, maintain, increase and promote the exports of electronics goods, computer software and related services and promote and develop use of electronics in other products, through market studies, gathering market intelligence abroad, conducting publicity campaigns, propagation of information relevant to manufacturers/trade/shippers, maintaining liaison with different agencies, inquiring and investigating into complaints of foreign importer etc.

29. Aid Material and Equipment: Under the programme external assistance in the form of material, equipment and other commodities is shown.

32. Community Information Centre (CICs) : This scheme is for setting up Community Information Centres (CICs) at 487 block headquarters in the seven North East States and Sikkim at sites selected by the state governments, as a part of agenda for socio-economic development of the region. The project is mainly intended to reduce the digital divide by providing internet access and IT enabled services to the Community and also to facilitate citizens interface with the Government.

33. Electronics Governance: Increasingly deploy 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 breakthrough strategies, improve service delivery, reduce cost and redefine administrative processes. The objective also include ensuring provision of basic minimal infrastructure throughout the country for connectivity and access at affordable cost.

34. Technology Development for Indian Language(TDIL) This programme aims at development of Information Technology

tools and content in Indian Languages to enable people of India to use computers and other IT systems in their own languages.

35. 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.

37. Software Technology Parks of India and EHTP: STPI is registered society under administrative control of DIT.   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 the powers to operate, implement and monitor various export oriented schemes of the Government of India in the field of Information Technology.

38. 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.

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. The key to success for the Media Lab Asia will be combining the creativity of Indian entrepreneurs with the technical know-how of universities to grow sustainable, culturally appropriate solutions. Particular challenges include the need to operate in many different languages and the need to support local culture and tradition.

39. Information Technology for Masses: The Department of Information Technology had set up a Working Group on Information Technology for Masses.   The Working Group has recently submitted its report and has made a number of important recommendations. The Working Group set an ambitious target of at least 100 million Internet connections by the year 2008 and 1 million Internet enabled IT Kiosks/Cyber Cafes to be established covering the entire length and breath of the country.

40. 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. Specific schemes will be drawn to provide all necessary support (including financial) to the start-ups for these selected areas.

41. Vidya Vahini and Gyan Vahini Programme: This new programme has been taken in the year 2002-2003 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.

42. I.T. Venture Capital : This is continuing programme included in other programme of the Department. For the Financial year 2002-03, outlay has been increased.

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