MINISTRY OF INFORMATION TECHNOLOGY
DEMAND NO. 52

Ministry of Information Technology

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

(In crores of Rupees)

	Major Head	Budget 2000-2001			Revised 2000-2001			Budget 2001-2002		
		Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total
Revenue		316.03	27.00	343.03	244.41	26.12	270.53	319.40	27.20	346.60
Capital		*49.17*	*...*	*49.17*	*55.59*	*...*	*55.59*	*105.60*	*...*	*105.60*
Total		**365.20**	**27.00**	**392.20**	**300.00**	**26.12**	**326.12**	**425.00**	**27.20**	**452.20**
1. Secretariat-Economic Services	3451	9.90	14.00	23.90	7.90	13.40	21.30	10.00	14.70	24.70
Telecommunications and Electronics Industries										
2. National Informatic Centre	3451	114.67	...	114.67	108.47	...	108.47	133.43	...	133.43
	5475	27.50	...	27.50	27.50	...	27.50	31.62	...	31.62
	Total	*142.17*	*...*	*142.17*	*135.97*	*...*	*135.97*	*165.05*	*...*	*165.05*
3. Technology Development Council	2852	3.00	...	3.00	2.00	...	2.00	3.00	...	3.00
Projects	7425	2.00	...	2.00	2.00	...	2.00	2.00	...	2.00
4. Industrial Electronics Promotion	2852	2.50	...	2.50	2.00	...	2.00	2.50	...	2.50
Programme	4859	...	...	...	...	...	...	...	...	...
	7425	0.50	...	0.50	0.50	...	0.50	0.75	...	0.75
	Total	*3.00*	*...*	*3.00*	*2.50*	*...*	*2.50*	*3.25*	*...*	*3.25*
5. Semi Conductor Complex Ltd.	2852	0.02	...	0.02	...	...	...	0.03	...	0.03
6. Electronics Material Development Programme	2852	6.00	0.50	6.50	2.00	0.50	2.50	5.00	0.50	5.50
7. Micro-Electronics Development Programme	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	8.00	...	8.00	10.00	...	10.00
9. National HVDC Project	2852	0.50	...	0.50	...	...	...	0.10	...	0.10
10. Society for Applied Microwave Electronics Engineering and Research (SAMEER)	2852	8.00	2.60	10.60	7.00	2.60	9.60	12.00	2.70	14.70
11. Standardisation Activities Programme	2852	18.00	3.50	21.50	15.52	3.45	18.97	20.00	3.80	23.80
	3601	...	...	...	...	...	...	...	...	...
	4859	7.50	...	7.50	7.50	...	7.50	7.00	...	7.00
	Total	*25.50*	*3.50*	*29.00*	*23.02*	*3.45*	*26.47*	*27.00*	*3.80*	*30.80*
12. Centre For Electronics Design and Technology	2852	3.00	1.50	4.50	3.00	1.50	4.50	4.00	1.50	5.50
13. Special Manpower for ASIC Design.	2852	1.00	...	1.00	1.00	...	1.00	1.90	...	1.90
	4859	0.10	...	0.10	0.10	...	0.10	0.10	...	0.10
	Total	*1.10*	*...*	*1.10*	*1.10*	*...*	*1.10*	*2.00*	*...*	*2.00*
14. Software/Hardware Export Promotion	2852	7.00	...	7.00	4.50	...	4.50	6.00	...	6.00
15. Electronic Research & Development Centres	2852	7.30	2.60	9.90	7.30	2.60	9.90	8.00	2.70	10.70
16. Manpower Development for Software Export.	2852	6.50	...	6.50	5.50	...	5.50	6.00	...	6.00
17. Photonics Development Programme	2852	2.50	...	2.50	2.00	...	2.00	2.50	...	2.50
	7425	0.50	...	0.50	...	...	...	0.50	...	0.50
18. National Information Infrastructure.	2852	11.00	...	11.00	8.00	...	8.00	5.00	...	5.00
19. Hi-Tech Investment Park.	2852	0.05	...	0.05	0.05	...	0.05	0.05	...	0.05
	4859	...	...	...	...	...	...	...	...	...
	7425	...	...	...	...	...	...	...	...	...
	Total	*0.05*	*...*	*0.05*	*0.05*	*...*	*0.05*	*0.05*	*...*	*0.05*
20. Transport & Power Distribution System Programme & Pollution Control.	2852	2.75	...	2.75	1.75	...	1.75	2.50	...	2.50
21. Devlopment of Strategic Electronics Equipments	2852	1.50	...	1.50	1.50	...	1.50	2.00	...	2.00
	7425	1.00	...	1.00	0.50	...	0.50	1.00	...	1.00
	Total	*2.50*	*...*	*2.50*	*2.00*	*...*	*2.00*	*3.00*	*...*	*3.00*

(In crores of Rupees)

	Major Head	Budget 2000-2001			Revised 2000-2001			Budget 2001-2002		
		Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total
22. Educational Research NetWork	2852	15.00	...	15.00	9.00	...	9.00	5.00	...	5.00
	4859	...	...	...	...	...	...	...	...	...
Total		*15.00*	*...*	*15.00*	*9.00*	*...*	*9.00*	*5.00*	*...*	*5.00*
23.Electronics for Rural/Social/Agri./ Water Sector.	2852	2.50	...	2.50	1.50	...	1.50	3.80	...	3.80
	4859	...	...	...	...	...	...	0.20	...	0.20
Total		*2.50*	*...*	*2.50*	*1.50*	*...*	*1.50*	*4.00*	*...*	*4.00*
24.Electronics in Health & Bio-Technology	2852	5.00	...	5.00	3.00	...	3.00	5.00	...	5.00
25. Centre for Liquid Crystal Research.	2852	1.66	...	1.66	1.26	...	1.26	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.Electronics and Computer Software Export Promo. Counl.	2852	2.00	...	2.00	2.00	...	2.00	4.00	...	4.00
28. Other programmes										
28.01 Exhibition in Electronics	2250	...	1.00	1.00	...	0.90	0.90	...	0.60	0.60
28.02 Foreign Trade	3453	...	1.10	1.10	...	0.99	0.99	...	0.50	0.50
28.03 Electronics Ind. Dev.Programme	2852	...	...	...	...	...	...	...	...	...
28.04 DOE Building (M/o Information Technology)	4859	0.10	...	0.10	0.10	...	0.10	...	...	...
28.05 IPR Promotion Programme.	2852	0.50	...	0.50	0.50	...	0.50	0.40	...	0.40
28.06 Other Schemes	2852	43.55	0.20	43.75	15.55	0.18	15.73	44.79	0.20	44.99
	7425	...	...	...	...	...	...	...	...	...
	4859	...	...	...	...	...	...	...	...	...
Total		*44.15*	*2.30*	*46.45*	*16.15*	*2.07*	*18.22*	*45.19*	*1.30*	*46.49*
29. Aid Material & Equipments - Gross	3606	...	4.20	4.20	...	4.20	4.20	...	2.00	2.00
Deduct - Transfers to functional Major head	3606	...	-4.20	-4.20	...	-4.20	-4.20	...	-2.00	-2.00
Net-Aid Materials & Equipments	*Total*	...	...	...	...	...	...	...	...	...
30.Investment in Public Sector Enterprises										
SCL	4859	0.02	...	0.02	0.02	...	0.02	0.03	...	0.03
ET&T	6859	0.05	...	0.05	8.47	...	8.47	0.10	...	0.10
NICSI	4859	0.01	...	0.01	0.01	...	0.01	...	...	...
Total		*0.08*	*...*	*0.08*	*8.50*	*...*	*8.50*	*0.13*	*...*	*0.13*
31. Lumpsum provision for projects/	2852	18.50	...	18.50	...	...	...	...	...	...
schemes for the benefit of	3451	8.43	...	8.43	...	...	...	...	...	...
North East Region and Sikkim	4859	9.59	...	9.59	...	...	...	...	...	...
	2552	...	...	...	21.41	...	21.41	10.00	...	10.00
	4552	...	...	...	8.59	...	8.59	47.00	...	47.00
Total		*36.52*	*...*	*36.52*	*30.00*	*...*	*30.00*	*57.00*	*...*	*57.00*
32.Information Technology Programme.	2852	...	...	...	...	...	...	...	...	...
	4859	...	...	...	...	...	...	...	...	...
Total		...	...	...	...	...	...	...	...	...
33. Community Information Centres(CICs)	2852	...	...	...	...	...	...	7.00	...	7.00
	4859	...	...	...	...	...	...	15.00	...	15.00
Total		...	...	...	...	...	...	*22.00*	*...*	*22.00*
Grand Total		***365.20***	***27.00***	***392.20***	***300.00***	***26.12***	***326.12***	***425.00***	***27.20***	***452.20***

B. Investment in Public Enterprises	Head of Dev.	Budget Support	IEBR	Total	Budget Support	IEBR	Total	Budget Support	IEBR	Total
1. Semi Conductor Complex Ltd.	12859	0.02	0.20	0.22	0.02	9.25	9.27	0.03	2.69	2.72
2. CMC Ltd.	12859	...	49.37	49.37	...	69.53	69.53	...	10.00	10.00
3. ET & T Ltd.	12859	0.05	...	0.05	0.05	...	0.05	0.10	...	0.10
4. NICSI	12859	0.01	...	0.01	0.01	...	0.01	...	...	...
Other Institutions/Bodies	*Total*	*0.07*	*49.57*	*49.64*	*0.07*	*78.78*	*78.85*	*0.13*	*12.69*	*12.82*
NCST/SAMEER/SEPP/C-DAC.etc	12859	...	126.93	126.93	...	126.93	126.93	...	97.37	97.37
Total		*0.07*	*176.50*	*176.57*	*0.07*	*205.71*	*205.78*	*0.13*	*110.06*	*110.19*
C. Plan Outlay										
1. Telecommunications and Electronics Industries	12859	227.90	176.50	404.40	180.33	205.71	386.04	277.02	110.06	387.08
2. Secretariat-Economic Services	13451	133.00	...	133.00	116.37	...	116.37	143.43	...	143.43
3. Other Scientific Research	13425	4.30	...	4.30	3.30	...	3.30	4.55	...	4.55
Total		*365.20*	*176.50*	*541.70*	*300.00*	*205.71*	*505.71*	*425.00*	*110.06*	*535.06*

No.52/Ministry of Information Technology

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

2. National Informatic Centre (NIC): Its main objective is to provide computer support to Central Government Departments, State Government Departments, District Administrations and new districts being created by the State Governments. NIC has set up a satellite based computer communication network for providing 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. NIC has been training the Government employees on a regular basis to enable them use MIS databases. Training is provided upto district level.

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 (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): 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.

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 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 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.

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 and calibration services to the industries for improvement of quality and reliability of electronics components and products.

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 institution.

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.

14. Software/Hardware Export promotion Programme: The main objective of the Software/Hardware Export Promotion Programme is to promote integrated development of software/hardware in the country for domestic as well as export market.

15. Electronics Research and Development Centre of India (ER&DCI): The objectives are:

- To initiate R&D programme in selected areas in line with the National Technology Development initiatives of Government of India.

- To undertake application-oriented core R&D work which are later translated into sponsored projects for industry/user agencies.

- To play the nodal role in the region for technology development and maintain close linkages with other national laboratories and academic institutions.

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.

18. National Information Infrastructure: The main objective of the programme is to demonstrate the use of contemporary tools in IT, enhancing overall efficiency in work, reduce delays in decision making, promote optimal utilisation of manpower resources by improving access to information and IT tools and thus demonstrate the concept in action to other users.

19. Hi-Tech Investment Park: The objective is to catalyse setting-up of atleast one high-tech park to induce investment in high-tech areas such as microelectronics and photonics. These parks would be targeted essentially for manufacturing so that the electronics industry can move up the value chain in electronics hardware. Further, these parks would be based on the concept of "work and play" and also to generate the requisite synergy using the "cluster: concept of support industries.

20. Transport & Power Distrubution System 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.

21. 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.

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 in Social and Rural Development.

24. Electronics in Health and Biotechnology: 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: The objective is 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 importance technologically.

26. Employment Generation including SC/ST/backward regions and North East: 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. 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 publicity campaigns, propagation of information relevant to manufacturers/trade /shippers, maintaining liaison with different agencies, inquiring and investigating into complaints of foreign importers etc.

28. Other Programme: These programmes are Electronic Industry Development, Power Electronics, IPR Promotion, Environmental Management in electronics, Trade Policy System, Technology Development of Indian languages, NCST, Exhibition in Electronics, Development of Capital Goods Industry, Development of Intelligent Manufacturing System, Industrial Robots and Technology Information and Forecasting in Electronics Governance, Electronic Commerce, Other Schemes under IT Task Force, IT Venture Capital, IT Certification, IT Brand Equity Fund etc. In addition, new programmes/projects have been taken for the financial year 2001-02 as under:

(a) Software Technology Parks of India (STPI):
STPI is 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 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.

(b) Media Lab.: A proposal to set up Media lab India in collaboration with Massachusetts Institute of Technology, USA is under consideration. It will focus on developing technologies of the future in the field of IT such as Internet and Multimedia and aim at generating ideas and entrepreneurship of international calibre; focus on use of futuristic technologies for solving problems of Indian context; and create ambience for students, faculty, entrepreneurs, industry and users to work together in a creative environment. To consider the matter further and prepare a detailed project document, a Technical and a Steering Committee have been set up.

(c) Information Technology for Masses: The Ministry 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.

(d) 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.

(e) The Semiconductor Integrated Circuits Layout-Design Act, 2000: The Government has enacted the Semiconductor Integrated Circuits Layout-Design Act, 2000 to provide for protection of Semiconductor Integrated Circuits Layout-Design and for matters connected therewith incidental thereto. The rules required for implementation are under formulation.

(f) Policy Formulation & Economic Analysis: Information Technology has emerged as one of the fastest growing sectors in the Indian economy. The government has set a target of US $ 87 billion turn over by 2008 in this sector. An export target of $ 50 billion for software exports has been set. It is proposed to undertake economic studies to assess the impact of various policy initiatives as well as the growth of IT on various sectors of Indian industry, in flow of foreign exchange and enhancement of productivity etc.

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

33. Community Information Centres (CICs): Ministry of Information Technology has undertaken an ambitious programme to establish Community Information Centres (CICs) in 466 blocks in Seven North East States to promote Information Technology and its applications. Another 40 such centres will be set up in Sikkim.