

XII-SURVEYS & STATISTICS

Plan schemes of Dte of Economic & Statistics, Deptt. of Information Technology and MCD (General Wing) are included under this sector.

The Dte of Economics & Statistics is the Nodal Agency in Delhi for collection, compilation and presentation of statistical data on all aspects of Socio-Economic developments in Delhi.

The Dte has been participating in various socio-Economic survey rounds of NSSO and information on Annual Survey of Industries; Statistics on State Income, Vital Statistics, Capital Formation, Prices etc. is being collected regularly.

There are many areas for which, no data are available at present like Housing Statistics, Environmental Statistics, Local Bodies Statistics, Area-wise Statistics, Cultural Statistics, Banking Statistics etc. Thus, during the 10th Five Year Plan 2002-07 and the Annual Plan 2003-04 the DES has to further expand its activities in several new directions to meet the growing data requirements of Planning Department and other Plan implementing departments of Delhi Government and Local Bodies. To meet the ever-increasing data requirement, several new schemes have been formulated and old continuing schemes have also been reformulated to meet the changing needs and circumstances.

The Department of Information Technology was established in Government of Delhi in 1998 with the aim of making Delhi a Cyber City through IT infrastructure inside and outside the Government interconnected of various Deptts. of Government of Delhi using WAN, giving the Citizen access to Government services/data information with faster responses. It has started working towards this goal and plan schemes prepared by the IT department aim to make Delhi the best Cyber City in India.

The scheme of MCD for computerisation of its various departments also aims to make easy flow of information between various departments on one hand and between Government and citizen on the other hand.

Agency-wise financial performance under this sector in 9th Plan 1997-02 and outlays approved for 10th Plan 2002-07 and Annual Plan 2003-04 are shown in the following table :-

(Rs. in lakhs)

S.No.	Agency/Deptt.	9 th F.Y.P. 1997-02 App. Outlay	9 th FYP Expr.	10 th FYP 2002-07	Annual Plan 2002-03 App. Outlay	R.E. 2002- 03	Approved Outlay 2003-04
1.	Dte. of Eco. & Statistics	200.00	25.87	250.00	35.00	20.00	35.00
2.	Deptt. of Information Technology	500.00	336.00	500.00	150.00	130.00	200.00
3.	MCD	250.00	123.45	500.00	100.00	200.00	100.00
4.	L&B Deptt.	50.00	14.31	---	---	---	---
	Total	1000.00	499.63	1250.00	285.00	350.00	335.00

Department wise/scheme wise detailed write-up is given in ensuing paragraphs.

I. DIRECTORATE OF ECONOMICS & STATISTICS (Rs.35.00 lakh)

Directorate of Economics & Statistics (DES) is the Nodal Office of Govt. of NCT of Delhi for collection, compilation and dissemination of statistical data. DES also functions as the office of the Chief Registrar of Births & Deaths and ensure that provisions of Registration of Births & Deaths Act 1969 and the rules made thereunder are implemented by Local Bodies i.e. Municipal Corporation of Delhi (MCD), New Delhi Municipal Council (NDMC) and Delhi Cantonment Board (DCB). Further, DES is also a Nodal Department for Population Census in Delhi.

The main activities of this Directorate include compilation of State Income, Index of Industrial Production , Socio- economic Surveys under NSS rounds collection of whole sale and retail prices for compilation of WPI and CPI by Ministry of Industry and Labour Bureau respectively. DES has kept its publications and data on the web site of Govt. of Delhi for the benefit of users.

Important publications of DES are listed below:

NAME OF THE PUBLICATIONS

1. Annual report on Registration of Births & Deaths-1999
2. Classification of Employees in Delhi Govt. and its Autonomous/ Local Bodies-1999.
3. Bulletin on Price Statistics-January to June 2000
4. Report on Fourth Economic Census –1998
5. Estimates of state Domestic Product 1999-2000 and 2000-01
6. Economic & Purpose Classification of the Budget Expenditure of Govt. of Delhi-1999-2000
7. Delhi Statistical Handbook-2000
8. Women & Men in India-1999
9. Index of Industrial Production 2000-01
10. CITIZEN CHARTER (on registration of Births & Deaths)-1999
11. Environment Statistics
12. Reports of various socio Economic Surveys sponsored by National Sample Survey Organisation, Govt. of India :-
 - (i) Report on Un-organised Manufacturing and Reporting Enterprises and Household Consumer Expenditure in Delhi-51st round (1994-95)
 - (ii) Report on Health Care, Education and Consumer Expenditure-52nd round (1995-96)
 - (iii) Report on Own Account and Non-Directory Trading Enterprises in Delhi-53rd Round (1997)
 - (iv) Report on Household Consumer Expenditure Hygiene, Sanitation and Common Property Resources in Delhi-54th round (1998-99)
 - (v) Compendium of NSS Surveys (State Samples)-January, 2001
 - (vi) Monthly Consumer Price Index number of Industrial Workers in Delhi
 - (vii) Quarterly report of the prices of Building Materials.
 - (viii) Provisional Population results based on Census-2001
 - (ix) Workers' participation in NCT of Delhi – Census 2001
 - (x) Report on Employment & Unemployment in Delhi – 55th Round (1999-2000)

- (xi) Report on Informal Sector in Delhi (Non-Agriculture) 55th Round (1999-2000)

FORTHCOMING PUBLICATIONS :-

1. Report on Unorganised manufacturing activities, 56th Round (2000-01)
2. Surveys on Unorganised Service sector and Household Consumer Expenditure in Delhi – 57th Round
3. Surveys on Housing condition Slum, Village Facilities Household Consumer Expenditure and Disability – 58th Round
4. Statistical Hand Book - 2002

Annual Plan 2003-04

An outlay of Rs.35 lakhs is proposed for Annual Plan 2003-04. Only a token provision of Rs.5 lakhs has been proposed for the pay & allowance of the posts proposed to be created during 2003-04 because it has been our experience that considerable time is consumed in the process of creation of posts. Secondly, the expenditure on purchase of PCs and Almirahas, to be provided to Civil Registration Centres for registration of births & deaths, is likely to be materialized during 2002-03.

1. STRENGTHENING OF STATE INCOME UNIT

State Domestic product (SDP) is one of the important quantitative indicators of growth of the State's Economy. It also provides sector-wise contribution and changes taking place over a period of time. Compilation of State income estimates is one of the prime function of this Directorate. Similar function at the national level is performed by Central Statistical Organisation (CSO). SDP estimates for the year 1999-2000 including Quick Estimates for 2000-01 have been released. This activity is getting diversified in a big way with the shift in the base year from 1980-81 to 1993-94. It includes proper scrutiny and improvement of data pertaining to other services like education etc. to ensure proper and satisfactory coverage. Data in respect of non profit institutions, autonomous bodies and other newly emerging sectors like computer software and information technology sectors is to be collected and analysed to ensure its inclusion in the State Income Estimates.

At present there is a small unit with sanctioned strength of One Research Officer (Rs.5500-9000) and two Statistical Assistants (Rs.5000-8000). Besides, one Dy. Director and one Asstt. Director have also partly been deployed. The following posts are proposed for creation under Annual Plan 2003-2004.

NO.	NAME OF THE POST	SCALE OF PAY IN RS.	NO. OF POSTS PROPOSED
1	Deputy Director	10000-15500	1
2	Asstt. Director	8000-13500	1
3.	Statistical Asstt.	5000-8000	3
4	Jr.Steno	4000-6000	2
5	Class IV	2550-3000	2
	TOTAL		9

2. MODERNIZATION, COMPUTERIZATION AND PUBLICITY TO CIVIL REGISTRATION SYSTEM

Directorate of Economics & Statistics also functions as the office of the Chief Registrar of Births & Deaths in NCT of Delhi. This office is responsible for implementation of the provisions of the Registration of Births & Deaths Act, 1969 and State Rules made thereunder. The registration of every birth and death is mandatory under the provisions of the Act and rules. The birth certificates are generally required for admission in schools, entry to Govt./Semi Govt./ Private service, right to vote and other purposes where age limits are prescribed and death certificates to establish the claim on property, Insurance and Social security benefits etc. During 1999 about 2.87 lakhs birth and 0.79 lakhs death events were registered in Delhi. Out of the total birth events about 58% were institutional and 42% domiciliary in nature. The actual function of registration is done by local bodies Viz. MCD, NDMC and DCB through 199 centers/zonal offices.

To educate general public regarding procedure of registration of births and deaths and obtaining birth and death certificates from Local Bodies, advertisements in newspapers are given from time to time. It is also proposed to give publicity to registration of births and deaths through pamphlets, hoarding etc. The office of the Chief

Registrar has also prepared a citizen charter on registration of births and deaths for free distribution to public representatives and general public.

Registrar General of India has issued guidelines to the States/UTs to include Civil Registration System for the first time in Tenth Five Year Plan as a plan scheme. Accordingly, it is proposed to provide furniture, stationery, printed forms for registration of births and deaths and birth and death certificates, publicity material and training to the staff of local bodies engaged in civil registration.

For modernization and computerization of the registration system, it is proposed to provide computers to local bodies during 2002-03 to improve customers service and help in quick retrieval of information to meet administrative and statistical requirements.

Govt. of India has decided to make Pilot Survey on Multi Purpose National Identity Card. A National register of Indian Citizens for this purpose of issuing Multi Purpose National Identity Card to all citizens will be prepared by enumerating entire population and this register shall be updated on the basis of registration of births & deaths. To begin with, a village named Pooth Khurd has been selected for Pilot Project Scheme in the NCT of Delhi. For this purpose, a special campaign through advertisements and publicity measures shall be launched.

3. ESTABLISHMENT OF ENVIRONMENT STATISTICS UNIT

Environmental protection has been recognised today as the central factor in any sustainable development. The collection, compilation and dissemination of a wide variety of statistical data on bio-diversity, atmosphere, land and soil, water, human settlements etc. is necessary to address the rapidly increasing policy initiatives and programmes in the environment and forest sectors.

The Central Statistical Organisation co-ordinates with various central agencies to publish relevant data in its annual 'Compendium of Environment Statistics'. However, since there is no suitable coordinating mechanism at State level, the availability of State level data on environment is poor.

National Statistical Commission has recommended that `Environment Statistics Cells should be created in the Directorate of Economics & Statistics in all the States and same should be responsible for coordination and collection of information from other related agencies in the State”.

It is proposed to set up Environment Statistics Unit in DES with the creation of following posts:

SNO.	NAME OF THE POST	SCALE OF PAY IN RS.	NO. OF POSTS PROPOSED
1	Deputy Director	10000-15500	1
2	Research Officer.	5500-9000	1
3.	Statistical Asstt.	5000-8000	2
4	Statistical Investigator	4000-6000	2
5	Jr. Steno	4000-6000	1
6.	Peon	2550-3000	1
	TOTAL		8

4. ESTABLISHMENT OF GENDER STATISTICS:

Women constitute half of population but are generally not treated as equal with men in the matter of self development although their betterment and well being are crucial to the progress, prosperity and peaceful existence of mankind. To ameliorate the material conditions of living for women, Govt. of India is restructuring the socio-economic order in the country. A realistic appraisal of the success or otherwise of various governmental measures, policies and programmes devised for the improvement of the status of women is not possible without timely availability of reliable statistics and relevant indicators.

Gender Statistics as a separate subject area is of recent origin. These statistics can be collected by male-female break-up given by different data sources such as population census, large scale sample surveys and administrative statistics. There are certain areas, which are exclusively related to women such as crime against women, domestic violence, mental health etc.. Some essential indicators for appropriate planning at various geographical levels are also required. These are:

- i) Number of doctors, nurses and other para-medical staff.
- ii) Number of sex workers and related statistics such as distribution of persons affected by sexually transmitted diseases.
- iii) Data on separate facilities for women such as hostel, crèches etc.

Some data on above indicators can be collected from various publications and reports while some representative data will have to be collected through surveys.

This Directorate does not have separate unit to collect data relating to gender statistics. Therefore, an independent unit headed by Deputy Director is essentially required. This unit may be set-up with following staff:

SNO.	NAME OF THE POST	SCALE OF PAY IN RS.	NO. OF POSTS PROPOSED
1	Deputy Director	10000-15500	1
2	Statistical Asstt.	5000-8000	2
3.	Statistical Investigator.	4000-6000	4
4	Jr.Steno	4000-6000	1
5.	Peon	2550-3000	1
	Total		9

This unit will also be responsible for coordination and collection of data from other related agencies in NCT of Delhi.

5. **STRENGTHENING OF EDP UNIT**

EDP Unit is responsible for the processing of Socio- Economic data collected under NSS rounds in respect of State Sample by Socio-Economic Unit of DES. The sample size is three times of the Central Sample Collection by NSSO. This is a voluminous exercise involving data entry, validation and table generation. At present EDP is taking above one year to process the data after completing field work. The need to cut down the lag between field work and tabulation is stressed from time to time to speed up the process of report writing. In addition this unit provides technical support to all other units of DES. For the orderly and timely completion of the tasks assigned to the

unit 4 posts of Data Entry Operator in the scale of Rs.5000-8000 is proposed under Tenth Plan.

SNO.	NAME OF THE POST	SCALE OF PAY IN RS.	NO. OF POSTS PROPOSED
1	DEO (Gr.C)	5000-8000	4

This Directorate has recently purchased 12 PCs with Server and installed the LAN System in EDP Unit. Out of this, 2 PCs were supplied to MCD to process Birth & Death Data.

It is further proposed to provide PC's to all the Officers of this Directorate and connect with LAN system.

The cost of 10 PCs with UPS and printers will be as:

1. 10 PC Pentium IV = 5.00 Lakh
 2. 10 UPS (.500 KVA) = 0.40 Lakh
 3. 10 Printers = 1.60 Lakh
- Total = 7.00 Lakh**

Training of all officers & staff with latest software will be accorded top priority. Further modernization of office with the purchase of equipment like scanning machine, photocopier, computer room furniture, binding and lamination machine is also proposed in the Plan

6. SETTING UP OF SPECIAL SURVEYS UNIT IN DES

Directorate of Economics & Statistics has been participating in the Nation-wide sample surveys under the NSS Calendar sponsored by NSSO, Ministry of Statistics & Programme Implementation, Government of India. This work is being handled by Socio-Economic Unit in DES as per the norms and the methodology prescribed by the NSSO. Due to the heterogeneous character of Delhi State, sample size has been fixed at three times of the central sample size. As a result, this unit despite its expertise in conducting of field work and making of reports has not been able to conduct any other type of surveys which are of public importance at the State level. This makes DES ineffective

in meeting the increased demand from different departments of the State Government. It is, therefore, felt that there is a need to set-up Special Survey Unit with the capacity to launch quick sample surveys at a short notice and come out with useful reports. National Statistical Commission has also recommended for setting up of such a unit in States/U.Ts., DES. This unit will also extend necessary technical guidance to various State level statistical units operating in different departments of Government of NCT of Delhi.

This unit is expected to assess the survey needs in consultation with other departments of Government of Delhi, plan the survey, develop the methodology, tabulate data and bring out the report/results. To handle this important task, the Special Survey Unit under the plan scheme is proposed to be set-up during 2003-2004 subject to creation of the following posts:

S.No.	Name of the Post	Scale of Pay (Rs.)	No. of Posts
1.	Joint Director	12000-16500	1
2.	Dy. Director	10,000-15500	1
3.	Research Officer	5500-9000	2
4.	Statistical Assistant	5000-8000	3
5.	Statistical Investigator	4000-6000	6
6.	Stenographer	4000-6000	2
7.	Peon	2550-3050	3
	Total		18

An outlay of Rs. 35.00 lakh is approved for Annual Plan 2003-04 for these schemes.

II. DEPARTMENT OF INFORMATION TECHNOLOGY

Scheme wise details are as under:-

1 Strengthening of IT Department. (Rs. 50.00 Lacs)

The Department of Information Technology was set up in the last Five Year Plan in 1998. During the last two years, the following posts were created in the Department:-

1. Addl. Secretary	-	1
2. Sr. Accounts Officer	-	1
3. System Analyst	-	1
4. Programmer	-	1
5. Head Clerk	-	2
6. Stenographer Gr-II	-	1
7. Stenographer Gr-I	-	1 (under Non-Plan)

There is a proposal for appointing apex consultants for IT related work. In E-Governance Report, it is agreed in principle that consultants may be appointed for E-Governance projects.

An outlay of Rs. 50.00 lakhs is approved for this scheme in Annual Plan 2003-04.

**2. Spreading computer and basic literacy through Internet Information Kiosk
(Rs. 20.00 Lacs)**

This scheme is also a continuing scheme and was implemented during the last Five Year Plan. The purpose of the scheme is to spread computer and basic literacy in areas inhabited by poor people and to bridge digital divide that threatens to appear in our society. A Pilot Project, with this aim, has been started with the assistance of NIIT and MTNL in Ambedkar Nagar. Under this project, 6 kiosks have been set up that allow children to surf Internet and learn all the educational material that is available on it through self-help. This pilot project is being implemented for three years and a mid-term review will be undertaken shortly. If the project is found to be successful on its review, the project will then be extended to all parts of Delhi. The details of the scheme will then have to be drawn up afresh and private sector participation may have to be encouraged for making this scheme financially viable.

An outlay of Rs. 20.00 lakh is approved for this scheme in Annual Plan 2003-04.

3: Training of Delhi Government Employees in computers (Rs. 10.00 Lacs)

The use of information and communication technologies requires constant training and re-skilling of employees. It is, therefore, necessary that the Government employees be trained regularly on use of technologies that are used in developing applications used by the Departments. The Department also proposes to set up a computer lab in the Secretariat where it proposes to train Government employees in various courses designed to suit the needs of the Departments. The Department will invite external faculty or arrange in-house training for this purpose. The Department also proposes to purchase multi-media kits, software and other developmental tools that are required for imparting training to the people.

An outlay of Rs.10.00 lakh is approved for this scheme in Annual Plan 2003-04.

4. Maintenance of LAN in Secretariat and setting up of WAN in Delhi (Rs. 45.00 Lacs)

The Department of Information Technology has set up a LAN in the Secretariat with about 600 nodes. A state-of-the-art server room has also been set up with leased, ISDN lines and RF links that connect the Secretariat server to the NIC HQs from which access to Internet is given to all the officers of the Secretariat. The department has also hosted several applications on the LAN that are used by the departments to improve internal efficiencies and to promote transparency. It is important to maintain this set up and upgrade it from time to time.

It is also necessary to set up a WAN network in the government to enable departments located outside the Secretariat to access the applications and make sharing of databases and information easier and faster. In the first phase it is proposed to connect about 15 departments under the WAN network in the 10th FYP. Thereafter all the departments will be connected.

An outlay of Rs.45.00 lakh is approved for this scheme in Annual Plan 2003-04.

5: Mass Campaign for IT Awareness (Rs. 10.00 Lacs)

The Department of Information Technology participates in workshops, seminars and exhibitions organized by various institutions across the country. It also sponsors a few exhibitions in Delhi to create awareness about the opportunities that exist in the city among the participants of these events. The purpose is to project and showcase the achievements of Government of Delhi in the field of Information Technology and to create awareness among the people on what is possible in the area of e-governance.

An outlay of Rs.10.00 lakh is approved for this scheme in Annual Plan 2003-04.

6. Grant of financial assistance to scholars and researchers and R&D industries (Rs. 30.00 Lacs)

It has been found that although many institutes have come up that run IT courses, there is an acute shortage of good faculty in the country. IT professionals who are not able to get jobs are appointed by private institutions to teach these courses. The quality of faculty appointed to teach the IT courses leaves a lot to be desired. The students who pass out of elite colleges like the IITs do not take up teaching as a career possibly because teaching is the least paying job in IT industry. It is, therefore, proposed that Government of Delhi should encourage scholars and researchers in the field of Information Technology to take up teaching as a career by granting them financial assistance. The details of the scheme and the manner in which this grant needs to be given will be worked out in consultation with members of academia and industry. It is proposed that students who obtain Ph. D. from reputed institutes and research scholars who get their papers published in reputed IT publications and journals both in India and abroad will be entitled to this grant. It is also proposed that industries that establish research facilities will also be entitled to a subsidy from the Government.

An outlay of Rs.10.00 lakh is approved for this scheme in Annual Plan 2003-04.

7. Setting up Cyber Asia Networking University (Rs. 20.00 Lacs)

Tokyo Metropolitan Government and Government of National Capital Territory of Delhi have jointly mooted a proposal to set up a Cyber Asia Networking University. The idea is to promote distance learning on Asian knowledge and technology as also to establish Asia's competency standards in dissemination of knowledge. The main driver for this project is the growing base of Internet users across Asia and the rest of the world. In Asia and Pacific region (except Japan), the number of Internet users will have grown exponentially from 61.1 million to an estimated 134 million by the year 2003. The other driver is the estimated expansion of market in the field of distance learning in Asia and Pacific region from 122 million US dollars in 2000 to 235 million US dollars in 2004.

Once established, the University will produce the contents for the multilateral education among participating cities and transmit them on the Internet. It will also aim to introduce Asia's own competency standard on the lines of NSSB in USA and FEANI in EU. It is proposed to implement this project through a consortium based on linkage between the industrial, academic and public sector or a university. The details of this have still not been worked out. Since this scheme will be implemented in the next financial year and the details of the University are still to be worked out.

An outlay of Rs. 20.00 lakh is approved for this scheme in Annual Plan 2003-04 for this scheme.

8. E-Governance Pilot Projects (20.00 Lacs) (New Scheme)

Departments of Government of NCT of Delhi are not in a position to start pilot project or proto type. Projects in the field of e-governance or of the paramount importance, which are not getting required attention from Departments. Department of IT may help them in getting the pilot application developed from suitable agency. On successful implementation of the pilot project in e-governance, concerned department may replicate the same on large scale with-in the department. While developing the pilot application, IT department will ensure the required standards and use latest technology. IT Department will take up about 3-4 projects on pilot basis from the departments having

large public interface. This will include hardware, peripherals, application and system software and networking.

An outlay of Rs. 20.00 lakh is approved for this scheme in Annual Plan 2003-04.

9: Facility Management for Delhi Secretariat and Maintenance of Delhi Government Website (Rs. 15.00 Lacs) (New Scheme)

Delhi Secretariat has got state of art network of 600 nodes. All departments in the Secretariat are connected on the LAN. There is a need to manage the hardware and services with-in the Secretariat. These services include maintenance of hardware, peripherals, vendor management, etc. To manage the services, Facility management in the Secretariat needs to be introduced. This will also include the maintenance and updation of Delhi Government Website so that updated information is available. The entire work will be outsourced.

An outlay of Rs. 15.00 lakh is approved for the Annual Plan 2003-04 for this scheme.

III MUNICIPAL CORPORATION OF DELHI

1. Computerization of MCD

Municipal Corporation of Delhi has taken up a few important IT projects during the last financial year. These will mature in the year 2003-04. Once these projects are implemented MCD will be able to deliver many on-line services to the people of Delhi. In fact it will become the first in the country to do so on BOO model. For this purpose, entire computerisation Programme of MCD has been split in seven schemes.

Based on the work done so far, a brief write-up on each scheme is given below:

1. Designing and hosting of MCD website (Rs.25.00 lakhs)

The Department of IT has already selected Electronic Corporation of India as its partner in providing on-line municipal services to the people of Delhi to Build. Own and

Operate model for a period of five years. Under this project MCD progress to provide following on-line services to the people of Delhi over Internet and across the counter at Citizen Services Bureaus that would be set up in each of the 12 zones and Town Hall. Commissioner MCD signed an agreement with CMD of ECIL for implementing this project on 26 October 2002. We hope to inaugurate our new and dynamic website on the Republic Day 2003.

1. Online booking of Parks, Barat Ghars and Community Centres in Municipal Corporation of Delhi for holding marriages, receptions and public meetings.
2. Online submission of information about the birth and death that will lead to issue of these certificates.
3. Online registration of complaints, grievances and suggestions from the public.
4. Online renewal of all kinds of licenses.
5. Collection of all kinds of municipal dues.

Although the IT infrastructure will be set up by the company under the Agreement, it will be necessary for MCD to provide computers to about 200 senior officers of the Corporation for e-mail connectivity. The e-mail IDs will be given by the company, but the Corporation will have to give PCs to the officers so that communication between the officers on the one hand, and between officers and the public on the other, is made possible. This will also indirectly help the Corporation to improve its internal efficiencies and work culture. With the passage of time this e-mail connectivity will be used to send routine communication, meeting notices, circulars, minutes of meetings, orders etc.

A PC, a UPS a printer and a modem with telephone connectivity will be provided to about 100 officers.

An outlay of Rs.25.00 lakh is approved for this scheme in Annual Plan 2003-04.

2. **Creation of databases in various departments (Rs.10.0 lakhs)**

It is absolutely essential that all departments digitize their records before any steps are taken to develop applications. In any case many applications are available off the

shelf so it may not be necessary to start the process all over again. Availability of clean and complete data is a prerequisite to any meaningful computerization of departments.

MCD has finalised a rate contract with a private company for digitizing records of all departments.

The departments that have been identified for creating digitized records, in the initial phase, are Personnel, Education, Law, Lands & Estates, House Tax, Accounts, Engineering, Planning, Conservancy and Sanitation and Health.

An outlay of Rs.10.00 lakhs is approved for this scheme in Annual Plan 2003-04.

3. **Setting up Citizen Service Bureaus in all zonal headquarters and Town Hall (Rs.7.50 lakhs)**

Once MCD launches its website, it would be necessary to provide an interface with such members of public as do not have access to computers. Such members of public will be served at Citizen Service Points. These Points will have 10 computers with Internet connectivity. They will process all requests and also accept payments on behalf of departments.

These CSPs will initially be used to provide training to 350 staff in each zone. Reputed training institutes will be hired to provide training in computer fundamentals and literacy. Rooms will be constructed in each zone at an easily accessible place to house computers for this work. A LAN with Internet connectivity will be set up at these CSBs.

An outlay of Rs.7.50 lakhs is approved for this scheme in Annual Plan 2003-04.

4. **Appointment of a Consultant for setting up IT infrastructure (Rs.10.00 lakhs)**

All the work done in above scheme will mean nothing, if MCD were not to set up its IT infrastructure. In long term, it will be necessary to set up IT infrastructure in Town Hall and all the zones. LAN/WAN with adequate bandwidth connectivity will have to be

set up in the Corporation. A consultant will have to be appointed to suggest most cost-effective option for undertaking this work. He will also suggest what options are available to man and maintain this infrastructure.

A through study of existing processes will have to be made before introducing computer work culture in the Corporation. At first the study will be restricted to those departments that provide citizen services to the people of Delhi. Thereafter, the scope of the study could be widened to include departments that do not have public interface.

This would necessitate appointing a consultant to advise the Corporation. An outlay of Rs.10.00 lakh is approved for this scheme in Annual Plan 2003-04.

5. **Setting up a Department of Information Technology (Rs.25.00 lakhs)**

MCD has already set up a Department of Information Technology. It would be necessary to strengthen it so that it is able to discharge its responsibilities. Once the recommendations of Consultants are received, it would necessary to implement those recommendations as are approved by the Corporation.

Since the new department will have to be set up from scratch, it would be necessary to create following posts initially.

S.No.	Designation of Post	No. of Posts	Pay scale
1.	Dy. Commissioner (IT)	1	14300-18300 with Rs.1000/- SP
2.	Addl. Dy. Commissioner (IT)	1	12000-16000
3.	System Analyst	1	10000-14300
4.	Programmer	2	8000-12000
5.	Asst. Programmer	4	6500-10000
6.	Stenographers	3	As applicable
7.	Drivers	2	As applicable
8.	Peons	3	As applicable

These posts could be filled up initially either on contract or by transfer on deputation. Once the report of the Consultant is received, the pattern of staffing required to manage the IT infrastructure at Town Hall and the zones will be decided. But the posts shown in the above table would need to be filled up urgently.

Besides equipments such as Laptops, PCs, printers, projectors, scanners, hubs, switches and other peripherals would have to be purchased to start the process in the department. A couple of vehicles for the officers would be needed to kick start the process. Money will also be needed for civil and electrical work for renovating the existing offices of the Department of IT in MCD.

An outlay of Rs.25.00 lakhs is approved for this scheme in Annual Plan 2003-04.

6. Setting up of a Geographic Information System (GIS) Cell in MCD. (Rs.5.00 lakh)

MCD proposes to harness the immense potential of GIS technology and digital maps of Delhi not only to widen its property tax base but also to make perspective plans for other departments. For this purpose MCD proposes to set up a GIS Cell in MCD in which data and maps thrown up by aerial mapping and other remote sensing devices are analysed and interpreted to determine the extent of construction carried out by builders in Delhi.

MCD proposes to join hands with other government bodies and utility companies that have need for such GIS applications. These government bodies and utilities would be persuaded to share the initial cost of setting up the infrastructure.

The details of implementation of the Scheme would be worked out in consultation with other organisations.

An outlay of Rs.5.00 lakhs is approved for this scheme in Annual Plan 2003-04.

7. Implementing Automatic Vehicle Tracking System in MCD (Rs.17.50 lakhs)

Under this scheme MCD proposes to use GIS/GPS systems to track movement of its fleet of vehicles for the purpose of monitoring garbage removal by the CSE Department. Once movements of vehicles that dispose garbage in Sanitary Landfill Sites are tracked, it would be easier to make assessment of actual collection and disposal of garbage from colonies of Delhi.

This system would also be useful in tracking movement of other vehicles of the corporation, should the need for such an exercise arise.

This scheme will also be implemented in association with other government bodies that have need for this kind of monitoring mechanism.

An outlay of Rs.17.50 lakhs is approved for this scheme in Annual Plan 2003-04.