

## **SURVEY & STATISTICS**

The plan schemes of Directorate of Economics & Statistics, Department of Information Technology and Municipal Corporation of Delhi are included in this sector. Department/Scheme-wise details are given as follows:-

### **A. DIRECTORATE OF ECONOMICS & STATISTICS(Rs. 25.00 lakh)**

Directorate of Economics & Statistics (DES) is the Nodal Office of Government 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 there under 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 wholesale 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 website of Government of Delhi for the benefit of users.

### **Strengthening of Directorate of Economics & Statistics**

An outlay of Rs.25 lakh for Annual Plan 2007-2008 have been approved for the Directorate of Economics & Statistics in respect of the following schemes:

1. Modernization, computerization and publicity to Civil Registration System in Delhi.
2. Model Registration Scheme
3. Printing of Publications (28 publications)
4. Establishment of Environment Statistics Unit
5. Establishment of Gender Statistics
6. Strengthening of EDP Unit
7. Incentive to the officials engaged in survey work and respondents helping in canvassing of various schedules.

#### **1. Modernization, computerization and publicity of Civil Registration System in Delhi.**

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 there under. During 2005 about 3.24 lakhs births and 0.94 lakhs death events were registered in Delhi. Out of the total birth events about 74% were institutional and 26% domiciliary in nature. The actual function of registration is done by local bodies viz. MCD, NDMC and Delhi Cantt. through its centres/zonal offices.

The following publicity measures will be taken to improve civil registration system in Delhi:-

1. To educate general public regarding procedure of registration of birth and deaths and the process of obtaining birth and death certificates from local bodies through advertisements in newspapers from time to time.
2. To give publicity to registration of births and deaths through pamphlets, hoardings, etc.
3. To update and print a revised citizen charter on registration of births and deaths for free distribution to public representatives and general public.
4. To introduce a mobile publicity cum registration unit aiming especially the Jhuggi Jhopris Slum clusters and rural areas of MCD where a number of domiciliary births and deaths are taking place.
5. **Infrastructure and training:** It is proposed to provide furniture, stationery, printed forms required for registration and issuance of birth and death certificates and training to the staff of local bodies engaged in civil registration. As per provisions of the Act and Rules, the office of Chief Registrar has to supply forms required for the registration of birth and death. One LCD Projector and Laptop is required for the training programme
6. To provide computers to local bodies to improve customer service and help in quick retrieval of information to meet administrative and statistical requirements.

## 2. Model Registration Scheme

Under the scheme, an employee of the hospital is designated as the Registrar who is empowered to register the events and issue the certificate. At present the scheme is in implementation in the following hospitals:

- All India Institute of Medical Sciences
- Bara Hindu Rao Hospital
- Swami Dayanand Hospital
- Kasturba Gandhi Hospital
- Rajan Babu TB Hospital

This will provide on the spot service to the public and is successfully implemented by the hospitals.

It is proposed to extend the scheme to other central/state Govt. Hospitals and Hospitals of local bodies in a phased manner.

Since the existing employees of the hospitals are designated as registrar for the purpose and the infrastructure available in the hospitals are used for the purpose, the scheme may be implemented without any additional financial burden to the exchequer.

### **3. Printing of Publications**

The Directorate of Economics & Statistics is responsible for providing the necessary database for planning in the State. Statistical data on diverse socio-economic activities of the State are collected, processed and published by DES from time to time. Dissemination of statistics through publications and reports both on regular and ad-hoc basis is an important function of DES.

### **4. Establishment of Environment Statistics Unit**

The Central Statistical Organization coordinates with the various central agencies to publish 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.

### **5. Establishment of Gender Statistics (Rs, 5.00 lakhs)**

This directorate does not have separate unit to collect data relating to gender statistics. Therefore, an independent unit is essentially required. This unit will be responsible for coordination and collection of data from other related agencies in NCT of Delhi.

### **6. Strengthening of EDP Unit**

At present, EDP is taking above 1 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 guidance to all other units of DES. 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. It is therefore, required to purchase 10 new latest printers.

### **7. Incentive to the officials engaged in survey work and respondents helping in canvassing of various schedules**

Dte. of Economics & Statistics is the nodal department to conduct census or surveys sponsored by Government of India or departments of government of NCT of Delhi. Our focus should have been on the surveys as suggested by various departments of Delhi government to help them in policy making and decision making process to bring about quality in the performance in the larger public interest. However, the fact is that socio-economic unit of Directorate of Economics & Statistics with sufficiently good number of field staffs are busy throughout the year in conducting socio-economic surveys sponsored by NSSO, Government of India. No time is left for these field officials to complete the assignment given by other departments. Proposals from labour department, trade & tax department etc. is still pending with the socio-economic unit due to shortage of time.

Delhi Government is committed to enhance the performance of all its departments in the larger public interest. It is imperative to give highest priority to surveys as suggested by other departments of Delhi government. To achieve this objective, we have no other option but to provide adequate additional benefits to field staffs so that they may complete their assignments as early as possible by putting their special efforts i.e. by working on Saturdays, Sundays and other holidays. To provide this incentive, DES may roughly need an amount of Rs. 2.00 lakhs per year.

During the course of socio- economic surveys sponsored by NSSO, on the average 350 sample blocks are surveyed, 24 schedules in each survey block is canvassed and 8400 respondents are finally interacted to canvass the schedules. To bring about quality in the data collected through various schedules, it is imperative to provide some incentive in kind to the respondents. The item of incentive may vary from area to area, on an average of Rs. 50/- per respondents is proposed to be spent. Assuming 8000 respondents to be covered, an amount of Rs. 4.00 lakhs will be required per annum. In all an amount of Rs. 6.00 lakhs per annum is required under this scheme.

An outlay of Rs.25.00 lakh for Annual Plan 2007-08 is approved for this scheme.

## **B. DEPARTMENT OF INFORMATION TECHNOLOGY**

### **1. Department of Information Technology (Rs.44.00 lakh)**

The Department of Information Technology was set up in 1998. The IT Department has also become Cadre controlling authority of "**IT Cadre**" officials where in there are 220 posts existing in different departments of Govt. of Delhi.

Apart from expenses on salary of 15 existing posts and other contingencies there will no major expenses. An outlay of Rs.44.00 lakh for Annual Plan 2007-08 is approved for this scheme.

### **2. Delhi Metro E-Network(Rs.75.00 lakh)**

"Maintenance of LAN in Secretariat and setting up of WAN in Delhi," the purpose of which was to set up the LAN in the Secretariat and Wide Area Network (WAN) in the Government to connect Secretariat to all the Departments located outside the Delhi Secretariat. The scheme is now renamed. The purpose of the scheme is to provide the following:-

#### **a) Local Area Network (LAN):**

700 machines have been brought on the LAN in the Delhi Secretariat up to the Superintendent level. The Department proposes to extend this facility up to the dealing assistant level by providing PC with LAN connectivity to achieve the goal of paperless office. On the existing LAN various centralized applications like File Monitoring System, Letter Monitoring System, Secretariat Attendance etc are running. The State-of-Art server room has also been set up with leased line connecting the Secretariat server to the NIC headquarter from which the access to Internet is given to all the offices of the Secretariat. The department would not only be spending for maintenance of the existing server and LAN network but would also

be augmenting the proposed servers to cater to the additional proposed nodes under LAN expansion.

**b) Delhi State Wide Area Network (DSWAN):**

In order to network the Departments located outside the Secretariat to assess applications and to make sharing of information easier, the department has taken up the DSWAN project. During 10th Five Year Plan, 13 offices (9 DC Offices and 4 key departments like Education, Trade & Taxes, Excise and Land & Building) were connected to the Delhi Secretariat. Now it is proposed to connect all the remaining departments through leased lines and broadband connections.

**c) Wi-Fi enabled Delhi:**

To make Delhi Wi-Fi enabled city it is proposed to set up wireless hotspots in various zones of Delhi to make available Internet facility free of cost or on nominal charges. This is to achieve the Digital Delhi vision for Common Wealth Games 2010, wherein not only information, government services are available but also Internet access to the citizens of Delhi, participants and international visitors in the Common Wealth Games 2010.

**d) Metro Optical Network:**

It is proposed to set up hybrid SWAN infrastructure using various options like fibre optic, Wi-Fi and Wi-Max technology. The aim is to provide robust network on the pattern of Metro Network for implementation of e-governance, GPR, Delhi Intranet project / initiatives and other Delhi centric applications. The network would be fibre optic network running along Delhi ring road and will develop points of presence as branches from the fibre optic network. The department proposes to implement this project through PPP model, wherein the Delhi Government usage charges will be taken out based on the revenue model by charging citizens for e-governance services.

An outlay of Rs.75.00 lakh for Annual Plan 2007-08 is approved for this scheme.

**3. Training of Employees of Delhi Government in use of IT Hardware & Software (Rs.23.00 lakh)**

**It includes providing computer training for PC usage and specialized trainings to IT Cadre officials of Govt. of Delhi. This would include the following:**

**a) Basic computer and office automation trainings:**

IT Department has a 20 computer lab wherein basic training is provided to Delhi government employees with the assistance of two hired faculties. Department will be providing basic computer trainings to over 5000 employees.

**b) Specialized training to IT Cadre Officials:**

The department proposes to sponsor IT Cadre officials to specialize institutions providing training in new emerging technology including Database Management, networking, security & application software development tools etc.

c) **E-Learning:**

The Department proposes to extend this facility to computer labs of different departments of Govt. of Delhi, which in turn would support the above two projects of basic and specialized training in computers. The department thus proposes to set up e-learning solution for above trainings.

An outlay of Rs.23 lakhs for Annual Plan 2007-08 is approved for this scheme.

4. **Removing Digital Divide – Taking IT to the Masses(Rs.60.00 lakh)**

In the 10<sup>th</sup> Five Year Plan, there existed a scheme “ Spreading Computers and basic literacy through Internet Information Kiosk”, which was a pilot project to spread computer literacy in areas inhabited by poor people and to bridge digital divide. Under this six information Kiosks were setup in Ambedkar Nagar Colony slum area.

The scheme is now renamed as above. The purpose of the scheme is to provide the following:

a) **Urban Knowledge Centre:**

It is proposed to setup Urban Knowledge Centre to strengthen the urban knowledge system to provide information to empowered segments of the society in over 3000 slums in Delhi. . The Project will be carried out by the Social Welfare Department wherein IT Department will give technical and financial assistance in establishing the project for initial 5-6 months of starting of the project. The expense for setting up Urban Knowledge Centre over 3000 slums would be carried out by the Social Welfare Department, wherein on pilot basis IT Department will provide computer hardware and software for around 18 such Urban Knowledge Centres as one time expense, for covering 2 Urban Knowledge Centres in each district.

b) **Delhi Online:**

The purpose of making Delhi Online is to setup 1500 Information Kiosks spread all over Delhi to provide Government Information, utility bills payments, challans and other payments through the payment gateway. The payment of utility bills will include payment of electricity bills, DJB Bills, telephone bills, MCD taxes, examination fees for CBSE 10<sup>th</sup> & 12<sup>th</sup> class exam, tuition fee/examination fee for Polytechnics & Engineering colleges under DTTE and for colleges under GGSIPU. The kiosks will also provide other services like filing of IT returns, Registration of birth & death, obtaining various permits and licences, various government forms, instructions & orders, linkages to various hotels, hospitals & travel agents, availability of citizen charters of various departments and government brochures. This will be done by a joint venture to be set up between the Government and Private Service Provider. Joint venture will operate with PPP model with minimum investment of Government of Delhi.

c) **Digital library:**

The purpose of this project is to have digital library available for citizens of Delhi to augment the existing public library infrastructure. The augmentation will be done by the Art and Culture Department wherein IT Department will be providing them technical & financial assistance to achieve the same.

d) **Promotion of PC usage to strengthen Anganwadis:**

It is proposed that the old computer systems available with different departments, which can not be used for development purpose may be given to Anganwadis. These computers would be available for use by the people living in and around Anganwadis including children to promote PC usage among ordinary citizens of Delhi.

An outlay of Rs.60.00 lakh for Annual Plan 2007-08 is approved for this scheme.

5. **Promotion of IT Applications(Rs.23.00 lakh)**

The scheme named 'Mass Campaign for IT Awareness' was renamed as 'Promotion of IT Applications. The scope of scheme has now been enhanced to cover following:-

a) **Exhibition:**

The purpose is to project and showcase the achievements of Government of Delhi in the field of Information Technology and to promote usage of IT applications among the people on what is possible in the area of e-governance. These places serve as common platform for sharing knowledge amongst the States and among citizens of Delhi.

b) **Knowledge Management System:**

To share the experience gained by officials of different departments of Delhi Government, the Department of Information Technology proposes to set up Knowledge Management System. This will be a common platform to share the reports, documents, manuals, office procedures, notifications and other day-to-day circulars. Also Knowledge Management System will provide reference material for preparation of RFP and agreements, which would then lead to standardisation of various documents used by the government.

c) **Intranet Delhi Online:**

Intra Delhi has Intranet applications for Delhi Government employees, which provides them access to the available centralised applications for day-to-day working of the department like Attendance monitoring, Letter monitoring, e-mail, telephone directory, people search, location information, tender information system, e-purti, e-courtis, e-yojana. Further it is proposed to enhance Intra Delhi to include other centralised applications to facilitate the routine office works. Intra Delhi will be a single facility for multiple intra departmental applications.

d) **Document Management System:**

The Department of Information Technology proposes to implement document management system to achieve the goal of paperless office. The document management system will handle intra-departmental communications like letters, memos, notices etc online.

The above proposed projects will be implemented by hiring of manpower or outsourcing the development work. An outlay of Rs.23.00 lakh for the Annual Plan 2007-08 is approved for this scheme.

6. **Financial Assistance to Scholars and Researchers & R&D Industries(Rs.30.00 lakh)**

The department of Information Technology has given grant to GGSIP University in order to attract scholars to pursue Ph.D and Post Doctoral fellowships in the field of Information Technology and Bio-Technology, to take up teaching or research as a career. The department also gives stipend to students pursuing courses in the field of Information Technology during the period of in-house training, which they undergo at the IT department as part of their curriculum. The students develop application software as per the requirement of departments of Government of Delhi during the period of in-house training.

The department also proposes to get various centralised and other applications developed from technical and educational institutes like DCE and NSIT, where sufficient talent in terms of faculty, students and infrastructure is available for the said purpose. Various studies for e-Governance and development of applications proposed by different institutes like FMS & IIMs will also be considered under the scheme for attracting talent in the IT sector.

An outlay of Rs.30.00 lakh for Annual Plan 2007-08 is approved for this scheme.

7. **e-Governance Projects and Process Re-engineering Support(Rs.75.00 lakh)**

“e-Governance Pilot Projects” under which Pilot Projects were initiated for departments having large public interface, which were then to be transferred to the respective departments for rolling out the applications on large scale.

The scheme is now renamed for extending the scope of the scheme to cover the following:-

a) **Data Warehouse:** The Department of IT proposes to set up a data warehouse integrating citizen information from electoral rolls of election office, ration cards from Food & Supply Department, Driving licence and vehicle registration from Transport Department, Birth & Death registration details from Registrar of Birth and Death etc. This will create a single view of the citizen and will form a database which can be effectively used to plan needs of education, food, housing, water, power, health and security requirements of Delhi State.

b) **Citizen Relationship and Grievance Management System** – Call Centre (CRGMS-CC): CRGMS is a web based citizen relationship and grievance management system that is implemented at a call centre using voice, IVR, email, SMS, Internet, fax and paper media. CRGMS is used by the citizen as

- Information Centre; and
- Grievance Redressal Mechanism for Delhi Govt. Departments, agencies and autonomous bodies.

Information will be available at one point through the call centre. The departments include NDMC, MCD, Power, Delhi Jal Board, Trade & Taxes, Social Welfare, Employment, Consumer Affairs, PGC, Health & Family Welfare, District Administration etc. Citizen can get information regarding the services, benefits, schemes of the government at one place through a phone call. This will bring government to the door step of the citizen. The grievance management system has been in operation w.e.f. 9th May, 2007.

- c) **Project Monitoring System (PMS)**: Project Monitoring System is proposed to be set up for monitoring of large scale contracts by Head of Departments', Chief Secretary and Chief Minister. Reviewing the project progress, funds and resource utilization of such projects is required at regular intervals. The Project Monitoring System will start from the issue of contract to the service provider and continue till the completion of the project, hence covering the complete life cycle of the project. Project Monitoring System will review the progress and enable timely measures, corrective action to be taken accordingly. Large scale projects of PWD, Irrigation & Flood, DSIIDC, DTTDC and other goods and services contracts through various departments can be monitored through this project. It will be a great assistance to the project implementation/monitoring committees,
- d) **Delhi Planning System**: Using the information available from the data warehouse, the Delhi Planning System will be set up in association with the Planning Department. Department of Information Technology will provide hand-holding/technical support. The system will enable effective planning of various infrastructure, food, health, education requirements of citizens of Delhi and will be used by the Planning, Urban Development, DC Office, Transport, Food & Supply and other related departments.
- e) **Key Performance Indicators System (KPIS)**: KPIS will be a performance measuring, reporting system of the Delhi Government departments and employees. The KPIS for department official will help in reviewing the department individual officers' performance for the Head of Department concerned. The KPIS of Head of Department and department official through defined performance evaluation criteria will evaluate and indicate the performance of the departments to the Chief Secretary and the Chief Minister on the whole. This project will be implemented by AR Department wherein technical support will be extended by the Department of IT.
- f) **Setting up of IT Corporation**: The Department of IT proposes to set up IT Corporation by designating ICSIL, an existing subsidiary of DSIIDC to provide common e-Governance services. The IT Corporation would also provide IT manpower to different departments as per their requirements and will maintain e-Governance/IT Projects of various departments like "Computer Education Project" of Education Department, which has run into trouble on the account of planning and implementation difficulties. It is also proposed that the above IT Corporation will procure computers hardware and software for different departments of Govt. of Delhi, besides giving technical assistance.

- g) **e-Procurement:** The Department of IT proposes to introduce e-Procurement for making Govt. procurement economical, faster and transparent. E-Procurement is one of the encouraging strategies adopted by trade and industry to reduce overall transaction cost and thus become more competitive. In Public procurement besides cost criteria, ensuring complete security, confidentiality as well as increasing transparency in tendering process becomes paramount. It is proposed that the e-Procurement System will be started under the aegis of DSIIDC, wherein IT Department would be offering complete technical and financial support for setting up of the project, which would include purchase of hardware and software for implementing the e-Procurement System.

The Department also proposes to continue designing, developing and implementing of other new centralized applications, taking other e-Governance initiatives, pilot projects along with maintaining the existing applications/projects under this scheme. This would also encompass giving technical and financial assistance to various departments for e-Governance Projects. The department through this scheme proposes to extend technical assistance for process re-engineering projects like Issue of Birth & Death certificate, Issue of Ration cards, management of ACRs, Promotion, preparation of seniority list and automatic grant of annual increments. The process re-engineering will be carried out by AR department along with respective departments' and department of IT will extend technical support.

An outlay of Rs.75.00 lakh for the Annual Plan 2007-08 is approved for this scheme.

8. **Development and Maintenance of Delhi Government Portal(Rs.20.00 lakh)**

“Facility Management for Delhi Secretariat and Maintenance of Delhi Government Website”, the scope of which was to develop and maintain the integrated, citizen service oriented Delhi Government Portal <http://delhigovt.nic.in>. The portal provides a single view of the Delhi Government to the citizen. The improvement of the portal being a continuous mechanism requires the scheme, which will now be done under the above named scheme. The scope of the scheme has been expanded to cover as under:-

- a) **Content Management System:** The Delhi Government Portal connects all the Delhi Government departments, agencies, autonomous bodies. To manage the content of the existing ninety plus websites and also make new websites it is essential to provide for Content Management System.
- b) **Subject-wise Portals:** There is substantial amount of digital content to be made available to the citizen on various subjects. The objective of subject-wise portal is to provide topic based content for health, education, agriculture, etc. This is also in line with the Digital Delhi vision for the Commonwealth Games in 2010. The other subjects proposed to be included are sports, transport and entertainment.

- i) **Health web portal** : will provide general information like daily health news, consumer health information, online checkups, online facilities for centralized OPD registration, Delhi State Health observances, interactive counselling.
  - ii) **The Education Portal:** will provide information about educational facilities, academic institutes in Delhi, both government and private run. Along with information it will be a platform to provide counselling for students, teachers and parents. There will also be a student help line. The portal can provide interactive games, puzzles, crosswords etc with online magazines and workshops. The schedule and details of different programs, workshops, seminars etc. can be given through this portal.
  - iii) **Sports portal:** will provide information regarding games history, schedules, venues, teams, participants, participating countries, team, ranking to the international visitors, participants and citizens of Delhi. The portal may be used to broadcast and give facility to book tickets online as well.
  - iv) **Agriculture Web Portal:**will be used by people engaged in agricultural activities residing in Delhi and its suburbs. It provides information on various crops, grains, seeds, fertilizers, manures, flowers, medical crops, food processing, food safety, air/soil/water, livestock, etc. The portal will also provide information on loans and daily grain prices, crop price review, livestock price etc.
  - v) **Entertainment Web Portal:** will provide information about various functions, exhibitions, seminars, programmes in NCR regions. The information on the various entertainment venues, movies, plays, festivals will be available along with facility to book tickets online.
- c) **Location / District-Wise Portal:** Citizens of particular locality are concerned about information and government service delivery options available in their particular area. Therefore it is essential to provide location specific information. Department of IT proposes to structure the information, location and district-wise to enable ease of use for the citizens. The information can also be located through GIS based maps. Both public and private information will be made available to the citizens through this portal.
- d) **Multi-Lingual Delhi Web Portal:** Presently the Delhi Government Web Portal is only in English, which is not the local language widely used. To make the information accessible to more sections of the society, it is proposed to convert the content already available, into Hindi and other languages. The Department of IT proposes to make the web portal in Hindi in the first phase and later also launch it in Urdu and Punjabi languages which are widely used in Delhi.
- d) **Security Audit:** Government portals are always subject to security risks. Department proposes to get audited the Delhi Government Web Portals from competent agencies with respect to security provisions and subsequently improve to secure the portal from hacking, defacing and other security threats.

- e) **IT Applications Audit:** The various IT applications developed by the Department of IT will be audited for their usage and usefulness. The audit will involve judging the usefulness of the application implemented and the change in work environment post implementation. The resulting improvement in efficiency, service delivery, time to achieve task etc. will also be judged.

An outlay of Rs.20.00 lakh for Annual Plan 2007-08 is approved for this scheme.

9. **Digital Delhi – Preparation of Common Wealth Games(Rs.350.00 lakh)**  
**(New scheme)**

As Delhi would be hosting Common Wealth Games in the year 2010, efforts are being made to successfully conduct the Games and to showcase Delhi as World class city.

For the Common Wealth Games 2010 specific initiatives centring around the international visitors, participants, Delhi citizens have to be undertaken, which will involve creating infrastructure and virtual facilities. Web portals for planning the trip, stay, game visits, tourist location visits - before, on arrival and after reaching Delhi will be provided. The department proposes that the games portal with blogging facilities, information kiosks at airport, bus and railway station, hotel and other tourist locations website in English and local language's of participating countries may be made available. The facilities for travel, hotel bookings and virtual tours of games may also be provided. It is proposed to install digital display boards in malls, shopping plazas, tourist places and public grounds for showcasing the games live along with airing of games in movie theatres. Electronic boards for information display in various games stadiums may also be installed. The international participants may be extended the facility of accessing home country TV in the hotels and game villages. The participants may be provided with Wi-Fi compatible mobile phones and internet facilities. Information kiosk based helpdesk, call centre help desk facilities may provide information regarding game schedules etc. RFID may also be used to provide access control cards to the participants. The stadium may have state of art multi-media digital score boards installed. Health facilities through poly-clinics, hospitals with telemedicine arrangement and computer networked labs for doping tests may be made available. Wi-Fi hotspots in game villages, tourist places, malls may be provided for free internet access to all the users. Secured payment gateway may be made available for providing online transaction facilities. GPRS based bus, taxi, other vehicles tracking may also be put in place.

An outlay of Rs.350.00 lakh for the Annual Plan 2007-08 is approved for this scheme.

## **C. MUNICIPAL CORPORATION OF DELHI**

### **E-Governance Programme**

**[Computerization of Various Departments of MCD]( Rs. 100.00 lakh)**

#### **Setting up of Data Centre for Municipal Corporation of Delhi**

MCD is divided into 12 zonal offices and one HQ which are spread over different locations of the city. It is proposed to create a proper monitoring system and co-ordination to establish the data of these zones can be shared and maintained effectively with the help of computers, which may finally lead to single Window system. MCD needs to establish its own Data Center that will host all the applications that are being developed by MCD for its major departments.

MCD is taking the services of C-DAC to host the software application on the server of C-DAC at Anusandhan Bhawan, Noida. The annual charges for hosting the application will be Rs.30 lakhs, excluding service tax and other charges. The other charges would be such as third party software charges, installation charges etc.

#### **IT Infrastructure**

To access DATA Center, MCD need IT infrastructure like LAN, Broadband, PC's, servers, printers etc. It proposed to provide LAN in all the important 22 building. LAN Local Area Networking already done at Property Tax Building, Lajpat Nagar, SDN Hospital and Vigilance Deptt., Civil Lines and the LAN work is going on in Kasturba Hospital, Town Hall, RBTB Hospital and MVID Hospital. Besides that lease line will be required from Data Center to the other locations of MCD to access the various software applications.

#### **CREATION OF DATABASE OF VARIOUS DEPARTMENTS**

MCD needs to create the database of the records of the various Departments Such as:

- i. Digitization of births & deaths records.
- ii. Digitization of properties.
- iii. Digitization of Teha Bazari, Rickshaw puller, Land & Estate etc

#### **APPOINTMENT OF CONSULTANT FOR VARIOUS IT PROJECTS AND PROCUREMENT OF HARDWARE & SOFTWARE SETTING UP IT INFRASTRUCTURE.**

Purchase of new computers and development of software.

## **Setting up Department of Information Technology in MCD & Train to Municipal employee**

Most of the software applications are developed on 3 tier architecture i.e. J2EE + Linux + Oracle. It is necessary that MCD's employees also have to be trained in Linux operating system, J2EE architecture and Data base administration, so that dependency on outsource agency may be minimized. At present 2 officers from each Deptt. shall be trained on above architecture.

Beside above the official/officers of MCD should be trained in the basic computer training (15 days training).

### **Geographic Information System**

TCS in Master Plan 2005 has recommended to adopt GIS for various departments of MCD. The function of various departments for which GIS has been recommended are given as under:

#### **Health Department**

The system will display all hospitals, dispensaries available in a given area, and all facilities provided in a given area. The system will help in

- a. tracking the spread of communicable diseases,
- b. allow focused queries to be run such as hospital with available beds, nearest health centre for vaccination etc.
- c. Strengthening disease surveillance.
- d. assist in locating cremation grounds, registration sites for births and death, maternity homes and centres, schools, hospitals clinics etc.
- e. facilitate monitoring of programs like rabies control and AIDS control.

#### **Property Tax Department**

The system will have a detailed area map of Delhi Municipal area to help track all the properties in the area and size of the plot.

The system will calculate and display property tax due from a property.

The system will allow a wide range of queries to be run and should display their results. Queries like area under MCD jurisdiction, properties not paying property tax etc. should be available on the system.

#### **Sanitation Department**

The system will show the allocation of safai karamchari in each area. The system will provide details of safai karamchari and safai superintendent responsible for a particular area.

The system will help in

- a. display the amount of garbage collected in each area
- b. tracking the area to which truck is sent, area from where garbage is collected, amount of garbage deposited at the SLF site etc.
- c. compare total garbage collected and amount deposited at the SLF site and should highlight any discrepancies.
- d. planning placement of dustbins and dalhos and construction of urinals.
- e. assist in planning the shortest route for trucks for collection of garbage and allocate the nearest petrol filling station.
- f. maintain detailed layouts of drains and *nallahs* in the Delhi municipal area.

This will help the department in tracking desilted *nallahs* and those to be desilted.

### **Education Department**

The system will show schools run by MCD or aided by MCD and the number of teachers and students in a school.

### **Community Services Department**

The system will display the nearest community centre when a user clicks on a particular area on the map. Information like address of community halls, category to which it belongs, the charges and deposit amount for community hall and the facilities available in the hall should also be displayed.

The system will show whether community hall is available on a particular date or not. Booking details like the date of booking, whom it is booked by (name, address), whether security deposit has been received etc. should also be displayed.

The system will :

- a. display details about the deposit amount received such as whether it has been returned to the booking party on due inspection of the community centre property.
- b. print receipts for booking charges and deposit received and receipt of other facilities provided.
- c. provide information about other activities available at the community centre.

### **Slum & JJ Department**

The system will show land, which is available for various projects like relocation of squatter families, locations where clusters can be relocated and the property that has been allotted and properties that ready for allotment.

## **RP Cell**

The system will display the sites allotted to kiosks, parking lots, PCO booths and shops / restaurants.

The system will show the layout plans of the areas on which sites can be allotted or have already been allotted for various purposes.

## **Engineering Department**

The system will display the building plans, site maps and design of flyovers and other structures to be or already constructed by engineering department and layouts of areas where new construction is proposed and the various localities, streets.

## **Architecture Department**

The system will show details of sites, site reports etc.

The system will display survey reports of surveys carried out in various areas and the designs of various structures designed by architecture department

## **Town Planning Department**

The system will display layout plans of different areas and check for conformity with the Master Plan and details of different colonies in Delhi municipal areas, and their categorisation as regularised and un-regularised colonies etc.

## **Land and estate department**

The system will:

- a. help in maintain landownership details, land layout and location details.
- b. showing details of cost of acquisition of land and department to which the land has been transferred.
- c. showing the area in which the staff quarters are located, person occupying the quarter and the date on which the quarter will be vacated.

Geographic Information System will be capable of capturing, storing, analysing and displaying data identified according to location.

The features of GIS systems will be:

To assist in analysing data and deriving relationships between different information.

To allow query on location, area, categories etc.

TCS has estimated Rs.30,000 to Rs.40,000 per square kilometer for digitizing the data and for conducting the surveys, will be required.

An outlay of Rs.100.00 lakh for the Annual Plan 2007-08 is approved for this scheme.