

II H. INFORMATION TECHNOLOGY & E-GOVERNANCE

1. INTRODUCTION

As a new initiative during the Tenth Plan, the Department has formed an “IT-eGov” unit for progressive implementation of eGovernance and establish an IT enabled work environment. The Department has made adequate provision for IT activities in the Plan Budget for the year.

2. IT - ACTION PLAN

The IT action plan of the Department include the following:

- *Infrastructure Development:* Provide Personal Computers (PCs) with necessary software support to all functionaries.
- *Networking:* Establish Local Area Network (LAN) and Intranet to facilitate file and information sharing between various functional units.
- *IT Training:* Provide relevant specialized training courses to the staff and Officers, to enable them working on computers.
- *Office Automation:* Implement the office automation system to maintain records of receipt, issue of letters and movement of files
- *e-Reports:* Convert the Acts, Rules, Circulars and other published material of interest or relevance to the public in electronic form.
- *Website:* Enrich the contents of the website by including forms and guidelines relevant to various citizen services being provided by the Department.

3. ACHIEVEMENTS

The various initiatives taken up during 2004 – 05 are following:

- Three meetings of IT Committee were organized to assess and get specific recommendations regarding procurement/development of IT related hardware/software. Work on creation of communication circuits and the installation of required equipment was carried out to extend the Internet connections. Antivirus firewall and IDS level security services were established.
- One High End Server (Server II Pentium Xeon @2.0 GHz, 256 MB RAM with 17” Monitor, 2x36 GB Ultra 3SCSI HDD) along with system software like Windows server 2000, SQL server 2000, VS net, Acrobat and online utilities which includes a CD writer, a Scanner and a printer were installed to host files to share them by all PCs via communication medium. This server now hosts “INTRADSIR” as the Information system of the Department.
- A web based Document Management Information System (DMIS) software, developed by NIC, after suitably tailoring it for DSIR use, has been hosted on to the DSIR server. DMIS is accessible by all DSIR officers and staff at Technology Bhavan using their ID and Password as provided to them through INTRADSIR.
- The Department website is continuously updated and is available at <http://www.dsir.gov.in> and/ or <http://dsir.nic.in>. The main components of the site includes, “What is New”, “Ministers, “TPDU Programmes”, “Download “, “Publications”, “Technical Reports”, “Annual Reports and Directories of RDI scheme”, etc.
- A project was awarded to NCSI to carry out requirement analysis, application prototyping, database designing, database implementation, coding, integration with existing systems, testing for making

INTRADSIR more user-friendly with added features.

- In order to facilitate easy retrieval, as many as, 162 Technical status reports of the Department were scanned and disseminated through CDROMs and Departmental website.
- The Department is having a very valuable database on foreign collaboration approvals. This database is maintained on yearly basis on printed media on two volumes. To make the information in more user friendly way on online/offline form this database of all the approvals of foreign collaboration that were made during last 15 years, a software system development project was awarded to Institute of Informatics and Communication, Delhi University. The project is expected to be completed in last quarter of 2005.
- A proposal by NCSI is being executed for in-house creation of a comprehensive,

central information system “CINFOSYS” by migrating all available databases developed on various components of TPDU using different languages. NCSI is stationing a programmer (specialized in SQL and other application software) at Technology Bhavan to assist the identified Content Owners to coherently migrate the available individual application software onto their respective data marts on DSIR SQL server. On completion of this project, a system will be developed to facilitate data mining for analyzing online the historical or time service data and identifying past patterns or trends. Presently DMIS itself is incorporated with an accessible template “CINFOSYS”. In the present form this template includes web pages on financial details, schedule of payment. Releases made under Technology Development and Demonstration Programme of TPDU. On completion of the project, similar information on other components of TPDU as well as a feature to generate/ maintain online from their own terminals by the respective Content Owners will be available