

II-H. INFORMATION TECHNOLOGY AND e-GOVERNANCE

1. IT-ACTION PLAN

The Department has taken up e-Governance activities in line with the Government directions during Tenth Plan and a comprehensive IT-Action Plan has been formulated as under:

- ⇒ *Infrastructure Development*: Provide and maintain Personal Computers (PCs) and other essential IT- equipment and software to all the functionaries.
- ⇒ *Networking*: Establish and maintain the Local Area Network (LAN).
- ⇒ *Office Automation*: Implement various applications that not only maintain records of receipt, issue of letters and movement of files but also offer enhancement in accountability, responsiveness and transparency in governance.
- ⇒ *IT Training*: Provide relevant training courses to the officers/ staff that enable them to work on computers by using application software developed.
- ⇒ *e-Reports*: Convert the Acts, Rules, Circulars and other published materials of interest or relevance to the public, in the electronic form.
- ⇒ *Website*: Enrich the contents of the DSIR website by including downloadable forms and guidelines relevant to various citizen services that Department provides.

2. ACHIEVEMENTS

Meetings of IT Committee were organized regularly to seek guidance/ approval on procurement of IT related hardware and development of application software. Various client server applications remained operational while a few more were under

development. The client server application systems that remained in use/ developed/ being developed are the following

2.1 Client Server Applications which Remained Operational

- **'INTRADSIR'**- remains as an effective messaging client, intend virtually to eliminate, flow of paper based intra-office/inter-office memos and similar documents. The built-in features of this INTRADSIR include functionalities such as bulletin board service, employees information and e-leave submission, thought for the day and it also acts as a secured access site to all other applications.
- Document Management Information System (**DMIS**) –accessible through INTRADSIR, as a centralised repository of all the documents and remains as a system for diarising and file movement.
- Central Information System (**CINFOSYS**) - provide the historical or time series data on various aspects of Grant-in-aid Scheme of the Department.
- Department remained equipped with a Public Grievance Redress & Monitoring System (**PGRAMS**). The system was designed and developed by National Informatics Centre (NIC) as per guidelines of Department of Administrative Reforms and Public Grievances (DAR & PG). Being a WEB based system, it is centralized and remain available to the public as **CPGRAMS** which within the Department, it is accessible through INTRADSIR/ EXTRADSIR

- Procurement and Inventory Management system ‘PIMS’ to maintain the inventory status of general stationary items, consumables of computers, etc remained functional and used for proper utilization of such items.
- Foreign Collaboration Approvals Information Management System (FCAIMS) remains online/ offline as an application software for mining information in a user friendly way from the database of all the approvals of foreign collaborations approved by the Secretariat of Industrial Assistance, Ministry of Commerce and Industry and Reserve Bank of India over the last 15 years.

2.2 Client Server Applications that were Developed during the Year

Project Application and Monitoring System ‘PAMS’

A project for customization of an Integrated Project Application and Monitoring System “PAMS” has been taken up and now in data input stage. This system was customized for projects receipt for support and under various components of TPDU scheme. PAMS application being a menu-driven and Graphical User Interface based software, it enables the application users to navigate through different menus and windows to capture data and process the transactions.

Enhanced Features at the INTRADSIR:

Instant Messaging facility consists of facility for attaching files and sending the same to other employees. As an added feature, this instant messaging service has a pop up facility. Any message sent to other users appears on the screen when the user gets logged in INTRADSIR, Any new

message which is unread pop up on the screen.

Employee Detail Module deletion or updating control has been provided to the administration section of DSIR for ensuring the maintenance of updated employee details.

VPN account Operation and EXTRADSIR

Information and the data flows between DSIR and the bodies under its control namely CSIR, CDC, NRDC and CEL remains through an EXTRADSIR application system that has been made over a VPN account operated at NIC. EXTRADSIR application acts as a medium for any instant flow of information between Technology Bhawan and those other geographically separated DSIR offices. The system has following main features

- Users send and receive, secured instant messages (to and from DSIR) through INBOX and OUTBOX.
- Users also access over its homepage, Department’s Circulars and News, the available Document Management Information System for effective file transactions and also accessing Centralized Public Grievance Redress & Monitoring System

IT-Security Policy and its frame work for DSIR

The security policy as laid down is being ensured through in-built access security in the system itself. The VLANs provide segmentation services over the routers in LAN configurations. Therefore a VLAN over a logically segmented switched network for DSIR was planned and the required switches were procured. This VLAN is being created at Technology Bhawan with the help of NIC. In addition to switches, the necessary hardware comprises of a Rack and two Rack mount servers were also procured

and installed which are in operation at Technology Bhavan. A three level Security Architecture has already been adopted that includes authentication, use of cryptography /Encryption and allowing access to IP-restricted services.

2.3 On-Going IT-eG Activities

DSIR Website updations

DSIR website <http://www.dsir.gov.in> is continuously being updated. The Department website is continuously updated. The main components of the site include: What's New; About US including Administrative, Organizational and Functional Structure, Telephone and Email Directory; Annual Report; Citizen Charter; Ministers; TPDU Programme; Download Forms; Publications; Technical Reports including Executive Summaries of 162 Technical Status Reports;

Forthcoming Events; Links to Parliament Q&As; Search

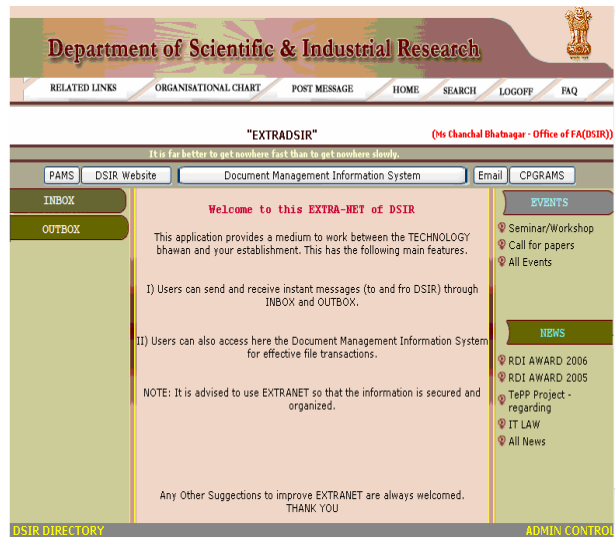
Useful URLs; Advertisements; Tenders; Vacancy; Directories; Autonomous Bodies (CSIR and CDC); Public Enterprises (NRDC and CEL). The website also has a search facility and an email link to send feedback / comments/ suggestions. A separate section on Right to Information has been provided as the Website for proactive disclosures under the Right to Information Act, 2005 enacted on June 15, 2005.

Composite Pay Roll System

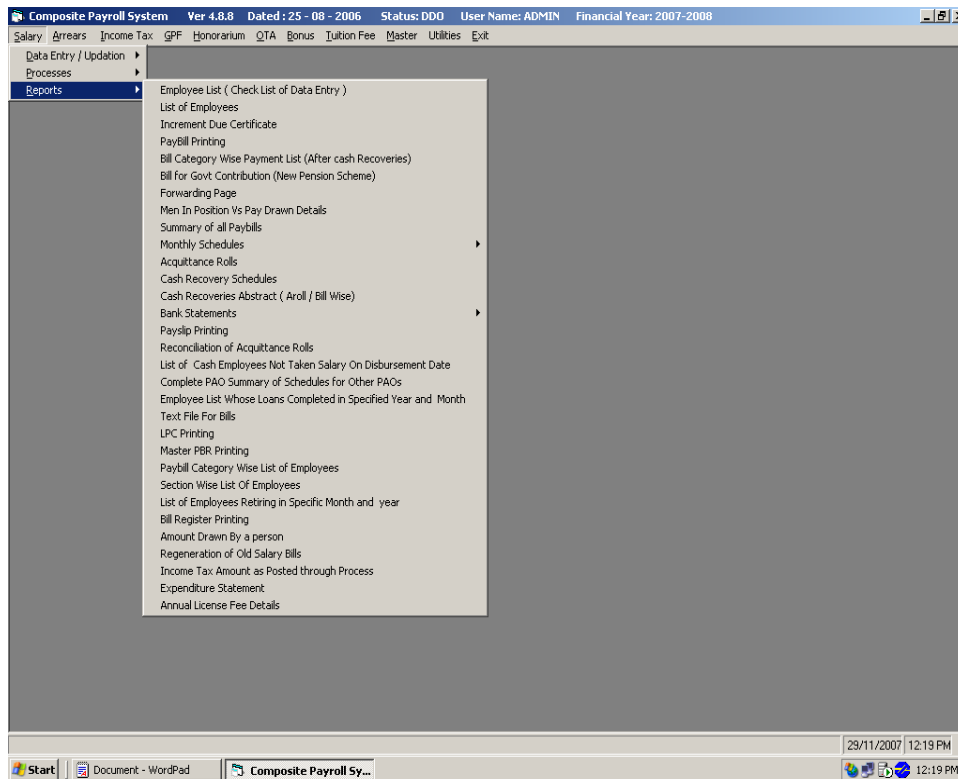
A Customized Pay Roll System has been developed by NIC The system currently remains under validation stage and soon would be replacing the existing earlier developed stand alone FOXPRO based data management system.



INTRADSIR for internal entities



EXTRADSIR for other offices of DSIR



**Composite Pay Roll System
Developed by NIC customized for DSIR**