

SCIENCE & TECHNOLOGY SECTION



Science & Technology Section by and large deals with following sub sectors;

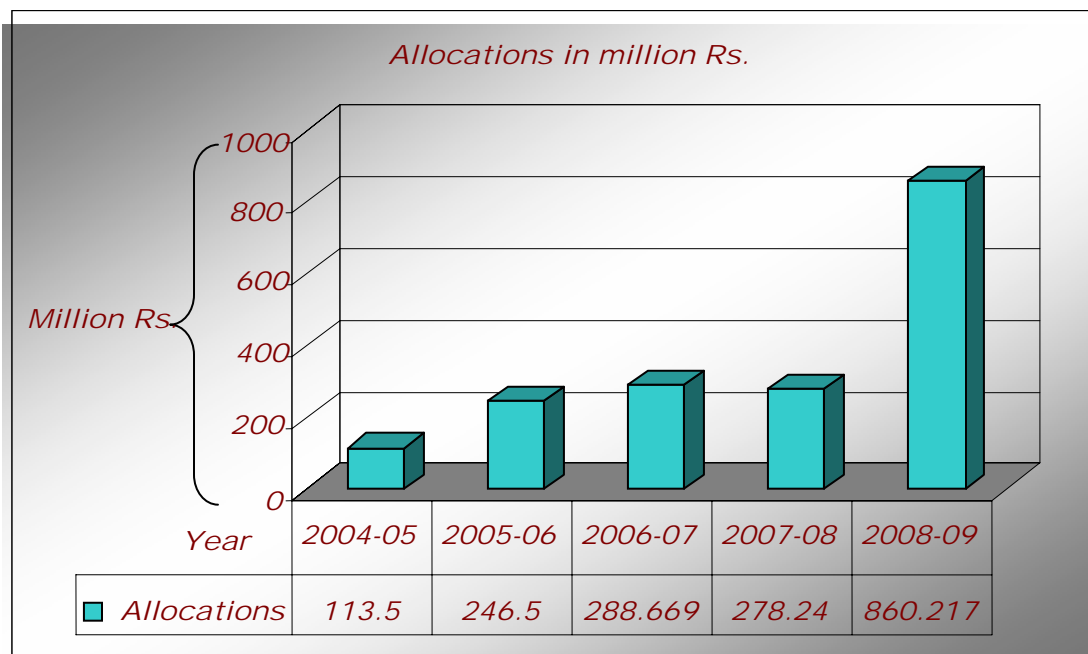
- A) Information Technology Sector and
- B) Science & Technological Research Sector.

I.T. schemes are generally administered by Information Technology Department, Government of Sindh, while Research & Technological sector schemes are steered through different Universities.

Following ADP allocations in the past were made by Government of Sindh for Science & Technology & I.T Sectors, which shows that though the allocations have regularly been enhanced, but the need for additional allocation is still there.

ADP ALLOCATION FOR LAST FIVE YEARS IN MILLION RS.

<u>YEAR</u>	<u>ALLOCATION</u>
2004-05	Rs.113.500
2005-06	Rs.246.500
2006-07	Rs.288.669
2007-08	Rs.278.240
2008-09	Rs.860.217



A- Information & Technology Sector Annual Development Programme 2008-09:

Following Eleven ongoing and two new schemes with an allocation of Rs.856.976 million in IT sector are included in current financial year (ADP 2008-2009).

Rs Million

Sr. No.	Name of schemes	Total cost	Allocation 2008-09
	On-going schemes		
1.	E-Govt. pilot project for Sindh Govt. Employees (Phase-1)(Sindh Govt. share 25% Rs.9.995 million)	39.958	Rs.0.045
2.	Establishment of provincial Portal websites for Govt. of Sindh (Sindh Government 25% share (7.289 million)	29.156	0.333
3.	Introduction of IT in District Administration in Sindh (Phase-1)	38.160	10.00
4.	Establishment of IT Resource and Rural Community Internet Centers in Sindh	28.021	10.321
5.	Intranet setup for Government of Sindh	28.00	2.80
6.	E-Government project for District Govt. Sukkur	27.389	12.989
7.	Call Centre Training for Jobless Graduates and undergraduates	37.117	22.647
8.	Establishment of Video Conferencing System in Sindh	149.80	50.00
9.	Introduction of e-police System in Sindh	941.440	100.00
10.	Development of HRM System for GOS	14.771	9.841
11.	Computerization of office of Advocate General Sindh including field offices	55.00	38.00
	New Schemes		
12	Benazir Bhutto Shaheed Sindh Youth Development Programme	610	500.00
13.	Computer education in colleges and higher secondary schools and Secondary schools through public private partnership	300.00	100.00

Brief description of IT schemes included in the ADP 2008-09 is given as under:

1. E-Govt. pilot project for Sindh Govt. Employees (Phase-1):

The main objective of the project is to develop an e-Government system to bring efficiency and advancement in the routine work of the Government. Following main features are embedded in the project:

- Extension of networking infrastructure including optic- fiber interconnectivity to five designated department i.e. Education, Health, Finance, SGA&CD & IT in building No. 1, 2 & 6.
- Conduct on-job group training and seminars / workshops for the awareness of IT and computer applications.
- Provide reliable and authenticated fast & timely information to decision makers and planners
- Introduction of Customized Software of E- Office & HRMIS, Electronic Procurement System, Project Management System & Budgeting and Financing System

2. Establishment of provincial Portal websites for Govt. of Sindh (Sindh Government):

The project involves establishment of a web portal for the Government of Sindh which will ultimately become a single point of entry to the Government as well as single window for service delivery to citizens.

3. Introduction of IT in District Administration in Sindh (Phase-1):

The project is intended to introduce an e-Government system at five District Government Administrations level i.e. (Hyderabad, Mirpurkhas, Nawab Shah, Larkana & Ghotki). The main objective of the project is to collect, and prepare district information database and disseminate information at district, provincial and federal level

4. Establishment of IT Resource and Rural Community Internet Centers in Sindh:

The main objective of this project is to enhance IT awareness of the citizens of the province & provide internet and computing facilities in rural areas of Sindh. The rural internet community internet centers will be established at 16 different locations of Sindh province.

5. Intranet setup for Government of Sindh:

The project intends to connect through a network, all Sindh Government Departments with each other and with Federal Government as well as with their field offices. The aim for establishing "*Intranet*" is for improving the data collection, storage, verification; communication and file transfer between headquarter and field offices.

6. E-Government project for District Govt. Sukkur:

The project will introduce automation of District Assembly Secretariat Sukkur. Under this project, customized applications will be developed to access information of the working of the house, i.e. debates, questions, bills, session proceedings and other legislative activities. The project will also disseminate information on legislative proceedings to the public through the websites of District Government Sukkur. Electronic attendance system will be introduced in the office of EDOs and DDOs. District Govt. Sukkur will be the first district in the entire country to introduce this kind of system.

7. Call Centre Training for Jobless Graduates and undergraduates:

The main objective of the project is to create, skilled manpower for rapidly growing field of Call Centre. The project will provide the state of the art Call Centre training opportunity for 1000 jobless graduates/under graduates using private sector's infrastructure/ facilities. This will result in providing job opportunities. The Call Centre training course mainly covers the following:

- Computer usage basic training.
- Telephone etiquettes
- Basic marketing skills (Improvement and fluency in English language)
- Familiarization with Call Centre equipments
- Operation and Management of Call Centre.

8. Establishment of Video Conferencing System in Sindh:

Under this project an electronic face to face contact would be established among the top Government officials / bodies to increase the productivity by reducing the time, traveling cost and other resources.

A video Conferencing system for Government of Sindh between provincial Headquarter offices at Secretariat, Governor, Chief Minister, Chief Secretary and Provincial Field offices of DCOs will be established.

9. Introduction of e-police System in Sindh:

This project will provide automation and connectivity for information flow to Police Stations, Central Police Office, Home Department and prison Department. The scheme also envisages enabling law enforcement agencies more operational and effective through application of following facilities.

- Monitoring and surveillances of law enforcement vehicles, ambulances and fire brigades to quickly reach to the incident spot.
- Establishment of a Call Centre for registering complaint and suggestions.
- Establishment of FM Radio to monitor and broadcast traffic situation and major incidents in the city.
- Crime Monitoring and Detection including Cyber crimes.

10. Development of HRM System for GOS:

The main objective of this project is maintaining the electronic database of all the Sindh Government employees. Approximately basic data of 450,000 civil servants would be collected through this project.

11. Computerization of office of Advocate General Sindh including field offices:

Basic IT infrastructure and automation of offices of Advocate General Sindh will be established through a turnkey solution. This project will be implemented for the capacity building of the public offices and will facilitate Government / citizen of Sindh province. All documentation of different functions, system procedures will be available via Intranet to support operational aspects. The project will start delivering its services in current financial year.

12. Benazir Bhutto Shaheed Sindh Youth Development Programme:

The Specific objective of the project is to provide IT Training and Certification for 7000 Jobless Graduates & undergraduates in Sindh province in the disciplines of MS Office, Windows, Internet Typing Tutor, Open Source with Linux, Photoshop, Free hand Flash, MCSE, & A+, Auto Cad certificate course, J2EE & PHP with MySQL connectivity/ ASP.Net using VB or C with ADO.Net & Call Centre Agent Training.

13. Computer education in colleges and higher secondary schools and Secondary schools through public private partnership

Under this scheme IT Computer Labs will be established in Colleges and higher secondary schools with the collaboration of Private Sector

B- Science & Technological Sector ADP 2008-09:

Science & Technological Research sector has only one on-going scheme which is executed by Hussain Ibrahim Jamal (HEJ) Research Institute of Chemistry, University of Karachi.

S.No.	Name of schemes	Total cost	Allocation 2008-09
	<u>On-going schemes</u>		
1.	Scientific Evaluation and product development from folk medicines used in the province of Sindh	10.967	3.241