

7 INFORMATION TECHNOLOGY AND INFRASTRUCTURE DEVELOPMENT

7.1 Overview

A number of IT projects were undertaken in the past by the SBP-BSC. Presently, more emphasis is given on use of already implemented IT Solutions. These solutions have made it easier for the officials to switch over to the new system. As a result of such shifting the SBP-BSC has attained the level where the offices are capturing transactions relating to banking and currency operations on real time basis and daily transferring the consolidated summary to Head Office through interface. This transformation has enabled the SBP-BSC to extract daily financial statements, balance sheet and profit and loss account from the system. In addition to above, the consolidated weekly statement of affairs is also prepared through the system. During FY07, SBP-BSC has continued its efforts to contribute in the ongoing developmental activities like implementation of Real Time Gross Settlement (RTGS), Monetary and Fiscal Statistical Manual (MFSM) an IMF project to prepare sectoral balance sheet of financial sector. For FY08, SBP-BSC has planned to install Oracle Budget, Oracle Cash Management (Auto Inter-company Solution) and Auto Reconciliation of Globus transactions.

7.2 Role of Information System and Technology Department

Information System and Technology Department (ISTD) has played an important role in developing automation infrastructure at SBP-BSC Head Office and field offices. The automation of various work processes has made SBP-BSC in gaining efficiency in its operations and meeting its business obligations comfortably.

7.3 Role of System and Procedure Units

SBP-BSC has established System and Procedure Unit (SPU) at all the field offices and at HOK it is housed in Accounts Department who resolves the issues in consultation with ISTD, team leaders of Globus, Oracle etc. During FY07, the SPU at HOK continued monitoring of the working of all SPUs of the field offices and provided guidance, wherever required, for smooth running of the system. SPU also helped in improving the performance level of users and getting better understanding of the system.

7.4 Globus Banking Solutions

After implementation of Globus banking solution in treasury and banking operations, the recording of transactions has become easier and standard reports are being generated according to business requirements. The objectives of technological upgradation have been achieved to a considerable extent particularly in banking and currency management operations. All areas in banking and most of the areas in currency operations are fully automated and the system is functioning smoothly. During FY07, the work relating to extraction of daily financial statements and consolidation of weekly statements has been performed successfully. In addition, CBR revenue collection and Inter-company Reconciliation Modules have also been introduced at SBP-BSC offices.

7.5 Oracle Enterprise Resource Planning (ERP) Software

Oracle Financial Suite, a world class product of Oracle Corporation, has been running successfully in SBP-BSC offices including Head Office for the last three years. During the whole financial year 2006-07, the officers of SBP-BSC have kept this module functional. This is a big achievement and undoubtedly shows the capacity and enthusiasm of the officers for adoption of new technology and finding out solutions of the problems arising in conversion of manual processes into auto processes to keep pace with the modern world using advanced technology. At present, the following modules are in operation at SBP-BSC.

Table 7.5 ERP Modules in Operation at SBP-BSC		
S #	Type of Main Module	Name of Module
1	HRMS Module	i) Employee Information ii) Leave Management iii) Performance Evaluation iv) Compensation and Benefits v) Disciplinary action vi) Work structure
2	Financial Module	i) General Ledger ii) Accounts Payable iii) Fixed Assets
3.	Distribution Modules	i) Inventory ii) Purchasing
4.	Custom Modules	i) Medical Services Unit ii) Payroll iii) Advances iv) Pensions v) Staff Funds

The introduction of the above Modules in the work processes of SBP-BSC has been instrumental to significantly improve the quality and quantity of work. All internal and

external stakeholders are provided efficient services by the respective units of SBP-BSC where ERP software has been implemented.

7.6 Infrastructure Development

In order to run the automation system (Globus & Oracle) efficiently the network connectivity has been extended to all field offices. The hardware requirements in SBP-BSC are met by ISTD by either providing new appliances through procurement process or by shifting the equipments from one place to another. Office-wise detail of personal computers, printers, scanners and other appliances provided upto 30th June 2007 is shown in Table-7.6 below.

Table 7.6 Office-wise Position of Computers, Printers, Scanners and other equipments									
S #	Office	Position as on 30 th June 2006				Position as on 30 th June 2007			
		PC	Printers	Scanners	Others	PC	Printers	Scanners	Others
1	HOK	176	52	5	16	176	53	5	16
2	Bahawalpur	52	23	1	1	53	25	1	4
3	D. I. Khan	41	19	-	-	41	26	-	2
4	Faisalabad	98	11	2	1	98	25	2	6
5	Gujranwala	46	31	1	-	46	37	1	1
6	Hyderabad	62	20	-	-	62	20	-	-
7	Islamabad	111	31	2	2	113	36	4	2
8	Karachi	289	147	3	-	289	149	3	-
9	Lahore	278	128	1	5	279	133	1	5
10	Multan	74	24	1	3	74	26	1	7
11	Muzaffarabad	49	19	1	-	49	19	1	1
12	N. N Karachi	60	19	1	15	60	19	1	15
13	Peshawar	115	21	1	-	115	21	1	1
14	Quetta	75	40	1	-	75	40	1	3
15	Rawalpindi	124	34	1	27	124	34	1	29
16	Sialkot	34	20	-	2	65	40	1	3
17	Sukkur	65	22	-	-	65	22	-	2
Total		1,749	661	21	72	1,784	725	24	97
Note: The term ' Others ' represents UPS, Multimedia, Laptop, Stabilizers, Servers, Port Switches, Radio Modem Routers, Firewalls Modem, SAT Modem and DTU's.									

7.7 Basic Office Automation Training

During FY07, ISTD SBP has arranged various training programs for capacity building and upgradation of skills of officers of BSC. The employees of SBP-BSC have also participated in other computer training programs conducted at NIBAF and other external institutions to update their skills in I.T. The details of training imparted to SBP-BSC employees in office automation are appended.

Table 7.7 Automation Training imparted to employees of SBP-BSC during FY07					
S #	Field Office	CBR Revenue Collection System	Basic Office Automation	Oracle (ERP)	Globus
1	Bahawalpur	8	-	18	37
2	D. I. Khan	5	-	1	2
3	Faisalabad	6	35	-	40
4	Gujranwala	6	-	4	-
5	Hyderabad	5	-	42	-
6	Islamabad	9	-	27	39
7	Karachi	5	-	13	-
8	Lahore	19	72	32	148
9	Multan	6	-	-	25
10	Muzaffarabad	2	-	10	2
11	N. N. Karachi	4	-	4	-
12	Peshawar	10	27	-	-
13	Quetta	15	-	17	-
14	Rawalpindi	25	-	25	20
15	Sukkur	8	-	24	-
16	Sialkot	6	-	16	19
Total		139	134	233	332