

## **GOVERNANCE & INFORMATION TECHNOLOGY**

### **IMPORTANCE OF INFORMATION TECHNOLOGY IN GOVERNANCE IMPROVEMENTS**

The rapid spread of mobile phone use and even Internet access across Pakistan, and the declining costs of this technology, means that Information Technology can be an extremely rapid and cost-effective mechanism to bring about tangible improvements in basic services for citizens. The Government aims to use information technology tools to improve governance and the provision of services to citizens. This will have the following benefits.

### **IMPROVING TRANSPARENCY AND ACCESS TO INFORMATION ABOUT SERVICES**

The objective is to improve citizens' access to information provided by targeted Departments, to reduce the transaction cost for citizens and opportunities for abuse by middlemen and field-level service providers.

### **STRENGTHENING PERFORMANCE MONITORING SYSTEMS AND FEEDBACK LOOPS**

The objective is to support smart monitoring and to make performance information available for decision making, by helping design and implement performance monitoring systems to gather information about service delivery, oversee the performance of key personnel and seek citizens' feedback about the quality of services received.

### **STRENGTHENING RESOURCE MANAGEMENT SYSTEMS**

The aim is to improve Departmental capacity for resource mobilization and expenditure management. This includes improving the taxation system and the efficiency of public procurement.

### **VISION**

Vision of the Government of the Punjab is to make Punjab the hub of Information Technology (IT) through use of Information & Communication Technology (ICT) services in order to improve delivery of public services to citizens.

## **OBJECTIVES**

- Induction of IT at all levels of government to improve efficiency, transparency and provide quality services
- To enhance the performance of Government Departments with the Introduction of latest IT equipment and installation of licensed software's.
- To provide a reliable, scalable IT infrastructure for the Government of Punjab, including a centralized, secure, reliable, scalable data centre, district-level connectivity and license-compliant software.
- Human Resource Development by providing skills to incubators and professionals, IT training, Global IT Certification, Open Source Training and Training to Government Employees for enhancing E-readiness.
- Formulation of Provincial ICT Policy and Action Plan for short, medium and long term
- Enhancing foreign and domestic investment in the IT sector through collaboration with renowned IT firms like Microsoft, Oracle, IBM, Intel etc.
- Making and implementing policies for improved efficiency through automation of business processes and Business Process Re-Engineering (BPR) and automation.

## **STRATEGIC INTERVENTIONS**

- IT based solution for improvement of various business processes in key departments including Police, Health, Transport, Education and Public Prosecution Departments etc, as well as Lahore High Court.
- Police Reforms and capacity building of 100 Model Police Stations of Punjab through Hardware, Software, Network Equipment (Active & Passive), Internet Connectivity to improve their business processes.
- Implementation of "Lands Record Management Information Systems project in all Districts and Tehsil of Punjab" as well as new scheme titled "Automation of Stamp Papers (E-Stamping)" has been proposed. These projects are part of the broader vision of Government of the Punjab i.e to provide better quality services to citizens through the use of Information and Communication Technologies (ICTs) in order to provide security of title to the landowners in the province.
- Incubator Centers and Tech Hub - Co-Working Space at Arfa Software Technology Park for IT startup firms to provide IT Training, manpower development regarding latest tools and technologies adopted in international

business and marketing with the help of IT awareness

- Introduction of Citizen E- Services and IT Centric Intervention & Smart Monitoring Under Punjab Public Management Reforms Program (PPMRP) aiming at smart monitoring, accessibility of reports and automation of service delivery on service delivery centers of government.
- Establishment of Video Conferencing facility for efficient information exchange, speedy decision making regarding emergent circumstances and Policy up-dation.
- The dengue control campaign through “Larvaciding and Fogging/IRS Reporting System” which enable data capture on the move, Verification via GPS coordinates real time data entry into central server and online dashboards which is accessible by all stakeholders.
- The new initiative of telemedicine to provide disease evaluation, diagnostics and treatment coverage to the patients living in remote areas using modern technologies and state of the art facilities through qualified professionals, whereas, District Health Information System is meant for disease reporting, patient treatment and medication schedule, disease patterns as well as appropriate management of appointment dates to facilitate general public in availing better health care.
- Evidence based monitoring of Pro-Poor to effectively reach out the poorest of the poor to pour targeted subsidy.
- Develop process of initiating performance evaluation, monitoring system of Government departments, establishing KPIs of employees through Pilot Project of “I.T Based Profiling of Government employees” for effective service delivery.
- Continuity of E-Governance applications already established under “Citizen Contact Centers” and “ Citizen Feedback Model” in order to introduce transparency, efficiency and minimize corruption using E-tools.
- The allocation has been secured for major initiatives of Police Department like computerization of all police stations using modern technologies i.e. hardware, software, network equipment (active & passive), internet connectivity in order to run the police business in an efficient manner. Punjab Police Integrated Command, Control and Communication Center is being included in ADP to sort out terrorist activities and fool proof security of the Punjab Province.

## TREND OF ALLOCATIONS

*Rs. in Million*

<b>Sr.No</b>	<b>Years</b>	<b>Allocation</b>
<b>1</b>	<b>2010-11</b>	1,960
<b>2</b>	<b>2011-12</b>	2,000
<b>3</b>	<b>2012-13</b>	2,400
<b>4</b>	<b>2013-14</b>	5,167
<b>5</b>	<b>2014-15</b>	7,393

**MTDF 2014-17**  
**Governance & Information Technology**  
**DEVELOPMENT PROGRAMME 2014-15**

Million Rs.

Sub-Sector	Capital	Revenue	Total	F. Aid	Total
<b>Ongoing Schemes</b>					
Regular	13.600	1,854.511	1,868.111	3,697.000	<b>5,565.111</b>
<b>New Schemes</b>					
Regular	0.000	1,827.889	1,827.889	0.000	<b>1,827.889</b>
<b>Total (ongoing+new)</b>	<b>13.600</b>	<b>3,682.400</b>	<b>3,696.000</b>	<b>3,697.000</b>	<b>7,393.000</b>

**DEVELOPMENT PROGRAMME 2015-16**

<b>Ongoing Schemes</b>					
Regular	0.000	7,500.000	7,500.000	0.000	<b>7,500.000</b>
<b>New Schemes</b>					
Regular	0.000	2,500.000	2,500.000	0.000	<b>2,500.000</b>
<b>Total (ongoing+new)</b>	<b>0.000</b>	<b>10,000.000</b>	<b>10,000.000</b>	<b>0.000</b>	<b>10,000.000</b>

**DEVELOPMENT PROGRAMME 2016-17**

<b>Ongoing Schemes</b>					
Regular	0.000	9,750.000	9,750.000	0.000	<b>9,750.000</b>
<b>New Schemes</b>					
Regular	50.000	4,200.000	4,250.000	0.000	<b>4,250.000</b>
<b>Total (ongoing+new)</b>	<b>50.000</b>	<b>13,950.000</b>	<b>14,000.000</b>	<b>0.000</b>	<b>14,000.000</b>
<b>GOVERNANCE &amp; INFORMATION TECHNOLOGY MTDF 2014-17: G.TOTAL</b>					<b>31,393.000</b>

## GOVERNANCE & INFORMATION TECHNOLOGY: SUMMARY

(Million Rs.)

Type / Sub Sector	No. of Schemes	Provision for 2014-15				Projection for 2015-16	Projection for 2016-17
		Capital	Revenue	Foreign Aid	G. Total (Cap+Rev)		
<b><u>ON-GOING SCHEMES</u></b>							
BOARD OF REVENUE (BOR)	1	0.000	450.000	3,697.000	4,147.000	2,103.855	0.000
PUNJAB INFORMATION TECHNOLOGY BOARD (PITB)	5	0.000	645.749	0.000	645.749	615.819	0.000
LAHORE HIGH COURT (LHC)	1	0.000	116.811	0.000	116.811	0.000	0.000
POLICE DEPARTMENT	4	4.650	136.322	0.000	140.972	0.000	0.000
CHILDREN LIBRARY COMPLEX	1	0.000	3.250	0.000	3.250	0.000	0.000
TRANSPORT DEPARTMENT	1	8.950	72.379	0.000	81.329	0.000	0.000
PUBLIC PROSECUTIN DEPARTMENT	1	0.000	30.000	0.000	30.000	34.000	0.000
PPMRP	1	0.000	400.000	0.000	400.000	1,321.975	0.000
<b>Total: ON-GOING SCHEMES</b>	<b>15</b>	<b>13.600</b>	<b>1,854.511</b>	<b>3,697.000</b>	<b>5,565.111</b>	<b>4,075.649</b>	<b>0.000</b>
<b><u>NEW SCHEMES</u></b>							
BOR	1	0.000	300.000	0.000	300.000	0.000	0.000
PUNJAB INFORMATION TECHNOLOGY BOARD (PITB)	6	0.000	195.389	0.000	195.389	49.611	0.000
PLANNING & DEVELOPMENT DEPARTMENT (P&DD)	1	0.000	10.000	0.000	10.000	5.000	0.000
POLICE DEPARTMENT	3	0.000	1,300.000	0.000	1,300.000	3,000.000	0.000
S&GAD	1	0.000	10.000	0.000	10.000	0.000	0.000
HEALTH DEPARTMENT	2	0.000	12.500	0.000	12.500	37.500	0.000
<b>Total: NEW SCHEMES</b>	<b>14</b>	<b>0.000</b>	<b>1,827.889</b>	<b>0.000</b>	<b>1,827.889</b>	<b>3,092.111</b>	<b>0.000</b>
<b>Grand Total</b>	<b>29</b>	<b>13.600</b>	<b>3,682.400</b>	<b>3,697.000</b>	<b>7,393.000</b>	<b>7,167.760</b>	<b>0.000</b>

# GOVERNANCE & INFORMATION TECHNOLOGY

(Million Rs.)

GS No	Scheme Information Approval Date / Location / scheme ID	Est. Cost	Accum. Exp June,14	Provision for 2014-15			MTDF Projections		Throw fwd Beyond June, 2017
				Cap	Rev	G. Total (Cap+Rev)	2015-16	2016-17	
1	2	3	4	5	6	7	8	9	10

## ON-GOING SCHEMES

### BOARD OF REVENUE (BOR)

2412	Land Record Management & Information Systems Project (Phase-I) 20.11.12 Punjab 17-1299000-001	11,201.155	4,950.300	150.000	3,997.000	4,147.000	2,103.855	0.000	0.000
			Local:	0.000	450.000				
			Foreign:	150.000	3,547.000				
<b>Sub-Total: BOARD OF REVENUE (BOR)</b>		<b>11,201.155</b>	<b>4,950.300</b>	<b>150.000</b>	<b>3,997.000</b>	<b>4,147.000</b>	<b>2,103.855</b>	<b>0.000</b>	<b>0.000</b>

### PUNJAB INFORMATION TECHNOLOGY BOARD (PITB)

2413	Technology Incubator at Arfa Software Technology Park (24.Feb.12 - 30.Aug.14) (Revised) 16.01.13 Lahore 17-1318187-002	186.519	43.806	0.000	90.000	90.000	52.713	0.000	0.000
2414	Disease Surveillance System (24 .Feb. 12 - 31. Dec. 14) (Revised) 26.12.13 Lahore 17-1318187-003	193.985	55.092	0.000	86.000	86.000	52.893	0.000	0.000
2415	Larvaciding and Fogging/IRS Reporting System (24. Apr. 12 - 30. Jun. 14) (Revised) 05.09.12 Punjab 17-1299000-004	48.823	15.204	0.000	13.000	13.000	20.619	0.000	0.000
2416	Establishment Of Citizen Facilitation and Service Centres (29. Jan. 14 - 30 .Nov. 15) (Revised) 29.01.14 Punjab 17-1499000-005	993.888	104.294	0.000	400.000	400.000	489.594	0.000	0.000
2417	Establishment of Video Conferencing For Punjab Govt (08.july. 13 - 30. june. 14) (Revised) 08.07.13 Punjab 17-1399187-006	76.101	19.352	0.000	56.749	56.749	0.000	0.000	0.000
<b>Sub-Total: PUNJAB INFORMATION TECHNOLOGY BOARD (PITB)</b>		<b>1,499.316</b>	<b>237.748</b>	<b>0.000</b>	<b>645.749</b>	<b>645.749</b>	<b>615.819</b>	<b>0.000</b>	<b>0.000</b>

### LAHORE HIGH COURT (LHC)

2418	New IT Initiatives at Lahore High Court, Lahore and District Courts (Phase-II) (March. 11- 30. jun .14)(Revised) 20.09.12 Lahore 17-1218187-007	193.040	76.229	0.000	116.811	116.811	0.000	0.000	0.000
<b>Sub-Total: LAHORE HIGH COURT (LHC)</b>		<b>193.040</b>	<b>76.229</b>	<b>0.000</b>	<b>116.811</b>	<b>116.811</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>

# GOVERNANCE & INFORMATION TECHNOLOGY

(Million Rs.)

GS No	Scheme Information Approval Date / Location / scheme ID	Est. Cost	Accum. Exp June,14	Provision for 2014-15			MTDF Projections		Throw fwd Beyond June, 2017
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1	2	3	4	5	6	7	8	9	10

## POLICE DEPARTMENT

2419	Police Reforms in 100 Model Police Stations of Punjab through Information Technology (Revised) 10.10.12 Lahore 17-1218187-009	156.114	48.421	0.000	10.000	10.000	0.000	0.000	0.000
2420	Information Technology Capacity Building of 100 Model Police Stations of Punjab. (Revised) 10.10.12 Lahore 17-1218187-010	189.575	107.360	0.000	5.000	5.000	0.000	0.000	0.000
2421	Computerization of Counter Terrorism Department of Punjab Police (Phase-II) (Revised) 26.09.13 Punjab 17-1399000-008	41.313	17.859	0.000	23.454	23.454	0.000	0.000	0.000
2422	Driving License Management Information System (Phase-II) (Aug. 09 - 30. June .15) 13.03.14 Punjab 17-1499000-011	168.352	65.834	4.650	97.868	102.518	0.000	0.000	0.000
<b>Sub-Total: POLICE DEPARTMENT</b>		<b>555.354</b>	<b>239.474</b>	<b>4.650</b>	<b>136.322</b>	<b>140.972</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>

## CHILDREN LIBRARY COMPLEX

2423	Standard MIS and Children Interactive Webportal Development for Children Library Complex, Lahore (03.Dec.12 - 30.June. 14) (Revised) 31.05.13 Lahore 17-1318187-012	6.750	3.500	0.000	3.250	3.250	0.000	0.000	0.000
<b>Sub-Total: CHILDREN LIBRARY COMPLEX</b>		<b>6.750</b>	<b>3.500</b>	<b>0.000</b>	<b>3.250</b>	<b>3.250</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>

## TRANSPORT DEPARTMENT

2424	Computerization of Transport Department (TDAS)-Phase-II (July. 09-30.June.15) 14.03.14 Punjab 17-1499000-013	109.780	28.451	8.950	72.379	81.329	0.000	0.000	0.000
<b>Sub-Total: TRANSPORT DEPARTMENT</b>		<b>109.780</b>	<b>28.451</b>	<b>8.950</b>	<b>72.379</b>	<b>81.329</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>

## PUBLIC PROSECUTIN DEPARTMENT

2425	Digitization / Computerization of Public Prosecution Department and Development of Monitoring & Coordination System Phase -I ( July. 13-June .16) 11.10.13 Lahore 17-1399187-014	66.139	2.000	0.000	30.000	30.000	34.000	0.000	0.000
<b>Sub-Total: PUBLIC PROSECUTIN DEPARTMENT</b>		<b>66.139</b>	<b>2.000</b>	<b>0.000</b>	<b>30.000</b>	<b>30.000</b>	<b>34.000</b>	<b>0.000</b>	<b>0.000</b>



# GOVERNANCE & INFORMATION TECHNOLOGY

(Million Rs.)

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				Cap	Rev	G. Total (Cap+Rev)	2015-16	2016-17	
1	2	3	4	5	6	7	8	9	10

## PPMRP

2426	IT Centric Intervention & Smart Monitoring Under Punjab Public Management Reforms Program (PPMRP) (29. Jan.14 - 30. June .8) 31.05.13 Lahore 17-1318187-015	1,904.927	182.952	0.000	400.000	400.000	1,321.975	0.000	0.000
<b>Sub-Total: PPMRP</b>		<b>1,904.927</b>	<b>182.952</b>	<b>0.000</b>	<b>400.000</b>	<b>400.000</b>	<b>1,321.975</b>	<b>0.000</b>	<b>0.000</b>
<b>Total: ON-GOING SCHEMES</b>		<b>15,536.461</b>	<b>5,720.654</b>	<b>163.600</b>	<b>5,401.511</b>	<b>5,565.111</b>	<b>4,075.649</b>	<b>0.000</b>	<b>0.000</b>

## NEW SCHEMES

### BOR

2427	Automation of Stamp Paper (E-Stamping) Un-Approved Punjab 17-1499000-016	300.000	0.000	0.000	300.000	300.000	0.000	0.000	0.000
<b>Sub-Total: BOR</b>		<b>300.000</b>	<b>0.000</b>	<b>0.000</b>	<b>300.000</b>	<b>300.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>

### PUNJAB INFORMATION TECHNOLOGY BOARD (PITB)

2428	Evidence Based Monitoring of Pro-Poor Initiatives Un-Approved Lahore 17-1499187-017	25.000	0.000	0.000	25.000	25.000	0.000	0.000	0.000
2429	Service Delivery Monitoring Programme Un-Approved Lahore 17-1499187-018	65.000	0.000	0.000	15.389	15.389	49.611	0.000	0.000
2430	PlanX-Technology accelerator at ASTP Un-Approved Lahore 17-1418000-020	10.000	0.000	0.000	10.000	10.000	0.000	0.000	0.000
2431	Data Warehousing and Business Intelligence Un-Approved Lahore 17-1499187-021	15.000	0.000	0.000	15.000	15.000	0.000	0.000	0.000
2432	Tech Hub -- Co-Working Space at ASTP Un-Approved Lahore 17-1499000-022	10.000	0.000	0.000	10.000	10.000	0.000	0.000	0.000
2433	I.T Enabled Assesment and Training for Students and Teachers Un-Approved Punjab 17-1499000-019	120.000	0.000	0.000	120.000	120.000	0.000	0.000	0.000
<b>Sub-Total: PUNJAB INFORMATION TECHNOLOGY BOARD (PITB)</b>		<b>245.000</b>	<b>0.000</b>	<b>0.000</b>	<b>195.389</b>	<b>195.389</b>	<b>49.611</b>	<b>0.000</b>	<b>0.000</b>

### PLANNING & DEVELOPMENT DEPARTMENT (P&DD)

2434	Smart Monitoring of Development Projects across Punjab Un-Approved Punjab 17-1499000-023	15.000	0.000	0.000	10.000	10.000	5.000	0.000	0.000
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				Cap	Rev	G. Total (Cap+Rev)	2015-16	2016-17	
1	2	3	4	5	6	7	8	9	10
<b>Sub-Total: PLANNING &amp; DEVELOPMENT DEPARTMENT (P&amp;DD)</b>		15.000	0.000	0.000	10.000	10.000	5.000	0.000	0.000
<b>POLICE DEPARTMENT</b>									
2435	Inventory Management System for Assets of Police Department Un-Approved Punjab 17-1499000-024	200.000	0.000	0.000	200.000	200.000	0.000	0.000	0.000
2436	Computerization of all Police Stations in Punjab Un-Approved Punjab 17-1477000-026	100.000	0.000	0.000	100.000	100.000	0.000	0.000	0.000
2437	Punjab Police Integrated Command, Control and Communication Programme at Lahore, Multan and Rawalpindi Un-Approved Lahore, Multan, Rawalpindi 17-1499000-025	4,000.000	0.000	0.000	1,000.000	1,000.000	3,000.000	0.000	0.000
<b>Sub-Total: POLICE DEPARTMENT</b>		4,300.000	0.000	0.000	1,300.000	1,300.000	3,000.000	0.000	0.000
<b>S&amp;GAD</b>									
2438	I.T based Profiling of Govt. Employees Un-Approved Lahore 17-1499187-027	10.000	0.000	0.000	10.000	10.000	0.000	0.000	0.000
<b>Sub-Total: S&amp;GAD</b>		10.000	0.000	0.000	10.000	10.000	0.000	0.000	0.000
<b>HEALTH DEPARTMENT</b>									
2439	District Health Information System Un-Approved Punjab 17-1499000-028	30.000	0.000	0.000	2.500	2.500	27.500	0.000	0.000
2440	Telemedicine on PPP model with Health Department Un-Approved Punjab 17-1499000-029	20.000	0.000	0.000	10.000	10.000	10.000	0.000	0.000
<b>Sub-Total: HEALTH DEPARTMENT</b>		50.000	0.000	0.000	12.500	12.500	37.500	0.000	0.000
<b>Total: NEW SCHEMES</b>		4,920.000	0.000	0.000	1,827.889	1,827.889	3,092.111	0.000	0.000
<b>Grand Total</b>		20,456.461	5,720.654	163.600	7,229.400	7,393.000	7,167.760	0.000	0.000