### **Governance & Information Technology**

### Vision

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

- To enhance the performance of Government departments and with the introduction of latest IT equipment and installation of licensed software. Induction of IT infrastructure at all levels of government to improve efficiency, transparency and to provide quality services to citizens.
- To provide a reliable, scalable IT infrastructure for the Government of Punjab, including a centralized, secure, reliable, scalable data center, 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 as well as Lahore High Court etc, The rapid spread of mobile phone use, internet access across Pakistan, and declining costs of this technology means that it can be an extremely rapid and cost-effective medium to bring about tangible improvements in basic service delivery.
- Implementation of "Lands Record Management Information Systems" project in all districts and tehsil of Punjab is meant for security of title to the landowners

across the province. Another scheme titled "Automation of Stamp Papers (E-Stamping)" for collection of government revenue through estamping solutions along with "E-Payment Gateway" system in public sector has been introduced to curb corruption and enhance efficiency.

 Incubator Centers and Tech Hub — Co-Working Space at Arfa Software Technology Park has been established for manpower development of IT startup firms/ freelancers through business mentorship training regarding latest tools and technologies adopted in international business and marketing with the help of IT awareness.

 Continuity of E-Governance applications already established under "Citizen Facilitation & Service Centers" along with "Citizen Feedback Monitoring Program" in order to introduce transparency, efficiency and minimize corruption using Etools. 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.

- Establishment of Public Call Centers for delivery of citizen centric services through "IT Centric Intervention & Smart Monitoring under Punjab Public Management Reforms Program (PPMRP)" Project. 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.
- The initiative of "District Health Information System" is to facilitate hospital management for disease reporting, patients treatment, medication schedule, disease patterns as well as appropriate management of appointments dates to facilitate general public for availing better health care.
- The allocations have been secured for major initiatives of Police Department like Punjab Police Integrated Command, Control and Communication Centre in order to sort out terrorist activities/ networks in Punjab and ensure fool proof security of mega cities using camera surveillance system, especially during Muharram possessions. 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

along with modern/ systematic "Inventory Management System" for efficiency improvement of Punjab Police.

- New initiatives namely "E-Filing and Office Automation in 10 Departments" has been included for automation of 10 main provincial departments for efficiency of official correspondence and task management through software deployment and trainings.
- Two schemes of Excise & Taxation Department namely "Reforms in Registration of motor Vehicles in Punjab" and "Computerization of UIPT in 30 district of Punjab" along with another scheme of BOR namely "Capacity Building of Punjab Revenue Authority (PPRA)" has been added to introduce transparency and improving the government revenues.

#### **Trends of Allocation**

An amount of Rs.8,540 million has been earmarked for IT Sector in 2015-16 for implementation of projects sponsored by Punjab Information Technology Board and other government departments.

		Rs. in million
Sr. No.	Year	Allocation
1.	2009-10	1,300
2.	2010-11	1,960
3.	2011-12	2,000
4.	2012-13	2,400
5.	2013-14	5,167
6.	2014-15	7,393
7.	2015-16	8,540

#### **Trend of Allocation**

MTDF 2015-18
Governance & Information Technology : Summary
Development Programme 2015-16
Development Programme 2015-16

Sub-Sector	Capital	Revenue	Total	F. Aid	Total	
Ongoing Schemes						
Regular	0.000	1638.579	1638.579	2786.421	4425.000	
Total	0.000	1,638.579	1,638.579	2,786.421	4,425.000	
New Schemes			.,	_,	.,	
Regular	0.000	4080.000	4080.000	0.000	4080.000	
Total	0.000	4,080.000	4,080.000	0.000	4,080.000	
Total (ongoing+new)	0.000	5,718.579	5,718.579	2,786.421	8,505.000	
	Developme	nt Program 201	6-17			
Ongoing Schemes						
Regular	0.000	1477.519	1477.519	0.000	1477.519	
Total	0.000	1,477.519	1,477.519	0.000	1,477.519	
New Schemes			.,		.,	
Regular	0.000	1400.219	1400.219	0.000	1400.219	
Total	0.000	1,400.219	1,400.219	0.000	1,400.219	
Total (ongoing+new)	0.000	2,877.738	2,877.738	0.000	2,877.738	
	Developme	nt Program 201	7-18			
Ongoing Schemes						
Regular	0.000	710.838	710.838	0.000	710.838	
Total	0.000	710.838	710.838	0.000	710.838	
New Schemes			/ 10.000	0.000	710.000	
Regular	0.000	1384.219	1384.219	0.000	1384.219	
Total	0.000	1,384.219	1,384.219	0.000	1,384.219	
Total (ongoing+new)	0.000	2,095.057	2,095.057	0.000	2,095.057	
			MTDF 2015-1	8: Grand Total	13,477.795	

# **GOVERNANCE & INFORMATION TECHNOLOGY: SUMMARY**

	No. of Schemes		Provision	Projection for	Projection for			
Type / Sub Sector	Schemes	Capital	Revenue	Foreign Aid	G. Total (Cap+Rev)	2016-17	2017-18	
<u>ON-GOING SCHEMES</u> Punjab Information Technology	13	0.000	597.900	0.000	597.900	1,422.767	710.838	
Board Lahore High Court	1	0.000	90.405	0.000	90.405	0.000	0.000	
Police Department	2	0.000	103.596	0.000	103.596	0.000	0.000	
Transport Department	1	0.000	10.000	0.000	10.000	37.259	0.000	
Board of Revenue	2	0.000	772.409	2,786.421	3,558.830	0.000	0.000	
Health Department	1	0.000	15.000	0.000	15.000	35.269	0.000	
S&GAD	1	0.000	18.140	0.000	18.140	0.000	0.000	
Prosecution Department	1	0.000	31.129	0.000	31.129	0.000	0.000	
Total: ON-GOING SCHEMES	22	0.000	1,638.579	2,786.421	4,425.000	1,495.295	710.838	
NEW SCHEMES								
Punjab Information Technology Board								
	4	0.000	80.000	0.000	80.000	833.322	793.678	
Police Department	2	0.000	4,005.000	0.000	4,005.000	11.000	0.000	
Excise & Taxation Department	2	0.000	20.000	0.000	20.000	460.897	460.897	
Board of Revenue	1	0.000	10.000	0.000	10.000	95.000	95.000	
Total: NEW SCHEMES	9	0.000	4,115.000	0.000	4,115.000	1,400.219	1,349.575	
Grand Total	31	0.000	5,753.579	2,786.421	8,540.000	2,895.514	2,060.413	

		st. Cost	Accum.	Pro	ovisi	on for	2015-16		MTDF Projections		
SS No	Scheme Information Approval Date / Location / scheme ID		Exp June,15	Сар		Rev	G. Total (Cap+Rev		2016-17	2017-18	Beyond June, 2018
1	2	3	4	5		6	7		8	9	10
P	I-GOING SCHEMES unjab Information Techno Technology Incubator at Arfa Softwar Technology Park (Under Revision)			30 0.	.000	10.0	00 <b>10</b> .	000	39.49	0 0.00	0 0.00
3759	15-May-14 Lahore LO12000040 R PTech Hub9 Co-working space at ASTF 25-07-14 Lahore LO14000113 R	9.9	<b>90</b> 8.12	21 0.	.000	1.8	69 1.	869	0.00	0 0.00	0 0.00
3760	Plan X-Technology Accelerator at AST (Under Revision) 25-07-14 Lahore LO14000094 R	rp 49.9	<b>95</b> 31.00	00 0.	.000	5.0	00 <b>5.</b>	000	14.00	0 0.00	0 0.00
3761	Data Warehousing and Business Intelligence 4-02-15 Punjab LO14000066 R	153.5	<b>66</b> 2.51	4 0.	.000	30.0	00 <b>30</b> .	000	123.56	6 0.00	0 0.00
3762	2IT enabled assessment and trainings students and teachers 11-11-2014 Punjab LO14000087 R	for 54.9	<b>00</b> 5.01	10 0.	.000	15.0	00 15.	000	34.89	0 0.00	0 0.00
3763	Smart monitoring of development projects across Punjab 16-02-15 Punjab LO14000110 R	85.8	<b>55</b> 9.49	97 0.	.000	20.0	00 <b>20</b> .	000	56.35	8 0.00	0 0.00
3764	IT based profiling of Govt. Employees 10-12-2014 Punjab LO14000086 R	26.8	<b>80</b> 9.92	20 0.	.000	5.0	00 <b>5.</b>	000	11.96	0 0.00	0 0.00
3765	5 <b>Disease Surveillance System</b> 30-12-14 Punjab LO12000041 R	198.9	<b>74</b> 153.25	58 0.	.000	45.7	16 <b>45</b> .	716	6 0.00	0 0.00	0 0.00
3766	Earvaciding and Fogging/IRS Reportin System (Under Revision) 27-06-14 Punjab LO12000042 R	ng 63.6	<b>59</b> 53.96	60 O.	.000	5.0	00 <b>5</b> .	000	4.69	9 0.00	0 0.00

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GS No	Scheme Information Approval Date / Location / scheme ID		Exp June,15	Сар	Rev	G. Total (Cap+Rev)	2016-17	2017-18	Beyond June, 20 <sup>-</sup>
1	2	3	4	5	6	7	8	9	10
N 1	Ionitoring Under Punjab Public Ianagement Reform Program 7-04-15 Punjab O13001424 R								
2	tablishment Of Citizen Facilitation a Service Centres 9-Jan-14 Punjab O13001513 R	and 993.888	461.137	0.000	200.000	200.000	332.751	0.000	0.000
F 4	tablishment of Video Conferencing Punjab Government (Under Revision -02-15 Punjab O13001012 R		147.971	0.000	50.315	50.315	0.000	0.000	0.000
				542					
3	<b>izen Feedback Monitoring Program</b> <b>1-10-14 Punjab</b> O14003849 R	142.442	38.227	0.000	10.000	10.000	94.215	0.000	0.000
	o-Total: Punjab Information hnology Board	4,064.6	641,335.6	800.000	597.900	597.900 1,	422.767710	0.838 0.000	
Тес	-	4,064.6	641,335.6	800.000	597.900	597.900 1,	422.767710	0.838 0.000	
Tec  Lah 771Ne L 3	hnology Board	rt, 193.040	641,335.6 102.635	<b>800.000</b> 0.000	<b>597.900</b> 90.405	597.900 1, 90.405	<b>422.767710</b> 0.000	0.838 0.000	0.000
Tec Lah 771Ne 3 L	hnology Board ore High Court w IT Initiatives at Lahore High Cour ahore and District Courts (Phase-II 0-12-14 Lahore	rt, 193.040							0.000
Tec Lah 771Ne 3 L 3 L 3 Sub-1	chnology Board ore High Court w IT Initiatives at Lahore High Cour ahore and District Courts (Phase-II 0-12-14 Lahore O12000039 R	rt, 193.040 )	102.635	0.000	90.405	90.405	0.000	0.000	
Tec Lah 771Ne 3 L 3 L 3 L 3 L 3 L 3 L 3 L 3 1 2 2 2 1 772Dr 7 2 2 7 2 2 7 2 2 7 2 2 7 1 8 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	chnology Board ore High Court w IT Initiatives at Lahore High Court ahore and District Courts (Phase-II 0-12-14 Lahore O12000039 R Fotal: Lahore High Court	rt, 193.040 ) 193.040	102.635 102.635	0.000	90.405	90.405	0.000	0.000	
Tec Lah 771Ne 3 L 3 L 3 Sub-1 9 Coli 772Dr 5 1 2 773Co 8 1 1	chnology Board ore High Court w IT Initiatives at Lahore High Court ahore and District Courts (Phase-II 0-12-14 Lahore O12000039 R Fotal: Lahore High Court Ce Department system (Phase-II) (Under Revision) 3-03-14 Punjab	rt, 193.040 ) 193.040 tion 168.347	102.635 102.635	0.000 0.000	90.405 90.405	90.405 90.405	0.000 0.000	0.000 0.000	0.00

(Million Rs.) Est. Cost Accum. Provision for 2015-16 **MTDF Projections** Throw fwd GS **Scheme Information** Exp Beyond G. Total No June,15 June, 2018 2017-18 Approval Date / Location / scheme ID Cap Rev 2016-17 (Cap+Rev) 1 2 3 5 6 7 9 10 4 8 **Transport Department** 0.000 3774Computerization of Transport 127.560 80.301 0.000 10.000 10.000 37.259 0.000 Department (TDAS)-Phase-II 14-03-14 Punjab LO12000038 R Sub-Total: Transport Department 127.560 80.301 0.000 10.000 10.000 37.259 0.000 0.000 **Board of Revenue** 154.409 3775Automation of Stamp Paper (E-Stamping)207.224 52.815 0.000 154.409 0.000 0.000 0.000 3-09-14 Punjab LO14000057 R 3776Land Records Management & 12,260.480 7,781.000 0.000 3,404.421 3,404.421 0.000 0.000 0.000 Information Systems Project (Phase-1) 02-03-2015 Punjab 0.000 618.000 Local: LO10000500 R Foreign: 0.000 2,786.421 Sub-Total: Board of Revenue 12,467.704 7,833.815 0.000 3,558.830 3,558.830 0.000 0.000 0.000 Health Department 3777District Health Information System 68.124 17.855 0.000 15.000 15.000 35.269 0.000 0.000 (Under Revision) 10-12-2014 Punjab LO14000067 R Sub-Total: Health Department 68.124 17.855 0.000 15.000 15.000 35.269 0.000 0.000 543 S&GAD 3778Anti-Corruption case Management 40.090 21.950 0.000 18.140 18.140 0.000 0.000 0.000 System 21-10-14 Punjab LO14003209 R Sub-Total: S&GAD 40.090 21.950 0.000 18.140 18.140 0.000 0.000 0.000 **Prosecution Department** 3779Digitization /Computerization of Public 66.139 35.010 0.000 31.129 31.129 0.000 0.000 0.000 **Prosecution Department and Development of Monitoring & Coordination System** 

		Est. Cost		Prov	ision for	2015-16	MTDF Pr	ojections	Throw fwo
GS No	Scheme Information Approval Date / Location / scheme ID		Exp June,15	Сар	Rev	G. Total (Cap+Rev)	2016-17	2017-18	Beyond June, 201
1	2	3	4	5	6	7	8	9	10
	19-06-13 Lahore LO12000046 R	1				1	I		
	LO 12000040 IX	66.139	35.010	0.000	31.129	31.129	0.000	0.000	0.000
	b-Total: Prosecution partment	00.139	33.010	0.000	51.129	51.125	0.000	0.000	0.000
To	tal: ON-GOING SCHEMES	17,364.925	9,625.467	0.000	4,425.000	4,425.000	1,495.295	710.838	0.00
NEW	/ SCHEMES								
Pur	njab Information Techno	ology Bo	oard						
780 <b>E-</b>	Payment Gateway	200.000	0.000	0.000	45.000	45 000	05 000	60.000	0.00
	Un-Approved Punjab	200.000	0.000	0.000	45.000	45.000	95.000	60.000	0.00
	LO15002123 R								
							0.1.0	oo	
ļ	Filing and Office Automation in 10 Departments Un-Approved Punjab LO15002124 R	200.000	0.000	0.000	15.000	15.000	94.822	90.178	0.00
l	rvice Delivery Improvement & Performance Monitoring Unit (SIPM Un-Approved Punjab LO15002125 R	167.000 U)	0.000	0.000	10.000	10.000	78.500	78.500	0.00
	tting-up Wi-Fi Hotspots Rawalpindi, Lahore, Multan LO15002126 R	1,140.000	0.000	0.000	10.000	10.000	565.000	565.000	0.00
Sub-T	Total: Punjab Information	1,707.000	0.000	0.000	80.000	80.000	833.322	793.678	0.00
	chnology Board	1,707.000	0.000	0.000	80.000	80.000	033.322	195.016	0.00
Pol	ice Department								
( l	ventory Management system for ass of Police Department (PC-II) Un-Approved Punjab LO14000091 R	sets 16.000	0.000	0.000	5.000	5.000	11.000	0.000	0.00
	tablishment of the Punjab Police Integrated Command, Control & Communication (PPIC3) Centre at Lahore,Rawalpindi & Multan. (PC-I) Un-Approved Lahore,Rawalpindi,M , Lahore,Rawalpindi, Multan LO14000106 R	4,000.000 ultan	0.000	0.000	4,000.000	4,000.000	0.000	0.000	0.00
	Cotal: Police Department								

Sub-Total: Police Department 4,016.000 0.000 0.000 4,005.000 4,005.000 11.000 0.000 0.000

(Million Rs.) Est. Cost Accum. Provision for 2015-16 **MTDF Projections** Throw fwd GS **Scheme Information** Exp Beyond G. Total June,15 June, 2018 No Approval Date / Location / scheme ID 2016-17 2017-18 Cap Rev (Cap+Rev) 1 2 3 4 5 6 7 8 9 10 544 **Excise & Taxation Department** 3786Computerization of UIPT in 30 District of 851.151 0.000 0.000 10.000 10.000 420.576 420.576 0.000 Punjab Punjab LO15002129 R 3787Reforms in Registration of Motor 90.642 0.000 0.000 10.000 10.000 40.321 40.321 0.000 Vehicles in Punjab Punjab LO15002130 R Sub-Total: Excise & Taxation 941.793 0.000 0.000 20.000 460.897 0.000 20.000 460.897 Department **Board of Revenue** 3788Capacity Building of Punjab Revenue 0.000 200.000 0.000 0.000 10.000 10.000 95.000 95.000 Authority (PPRA) Punjab LO15002131 R Sub-Total: Board of Revenue 200.000 0.000 0.000 10.000 10.000 95.000 95.000 0.000 **Total: NEW SCHEMES** 6,864.793 0.000 0.000 4,115.000 4,115.000 1,400.219 1,349.575 0.000 **Grand Total** 0.000 24,229.718 9,625.467 0.000 8,540.000 8,540.000 2,895.514 2,060.413