

ENVIRONMENT & CLIMATE CHANGE

VISION AND GOALS:

Environment Protection Department aims to promote sustainable development in the province through integration of environmental considerations in pursuit of economic growth. Consequent to the devolution of the subjects of Environment and Ecology through 18th Constitutional Amendment, the environmental affairs of the province are regulated by Punjab Environmental Protection Act (amended 2012) and Rules made there under. Environment Protection Department is responsible for administration of the laws and rules in order to provide for the protection, conservation, rehabilitation and improvement of the environment, for the sake of prevention and control of pollution.

IMPORTANCE OF ENVIRONMENT PROTECTION FOR ECONOMIC GROWTH:

Environmental protection and conservation aims to reduce the adverse impact on environment with the increase in industrialization and economic growth. There is a direct link of pollution on air, water and land, which in turn seriously affect the economic growth. Therefore it is imperative to reduce the impact of pollutants on environmental resources for existence of life and sustainable development. Punjab Government's commitment towards environment protection envisions a clean, protected and safe environment for public that ensures environmental sustainability for future generations. The compliance of regulatory regime for environmental protection is vital for protection of environment and sustainable development.

OBJECTIVES:

1. Improve Environmental Governance in the Province
2. Promote green investments
3. Enhance environmental awareness
4. Monitor and continuously review and rationalize the Environmental Quality Standards (EQS)
5. Effectively exercise the regulatory control on environmental pollution
6. Ensuring environmental sustainability through capacity building of provincial departments
7. Promote research & development for improving quality of environment
8. Devise ways and means for pollution preventions
9. Provision of expertise in environmental reviews
10. Transfer of environment friendly technology to the private sector

STRATEGIC INTERVENTIONS:

- Implementation of interventions under World Bank funded Punjab Green Development Programme (PGDP)
- Technical Assistance for Revitalization of ecosystem system of River Ravi

- Capacity Building of EPA Punjab for Enforcement of Environmental Standards in Punjab including Combined Effluent Treatment Plants (CETPs) and Industrial Estates (IEs) under J&C Program
- Capacity building of field offices of EPA Punjab for enhanced environmental quality monitoring systems for Punjab’s air, surface and ground water resources.
- Restructuring and capacity building of Environment Protection Department (EPD) to effectively enforce the regulatory framework and environment protection.

ACHIEVEMENTS OF FY 2017-18:

1. Successfully finalized the negotiations with World Bank for Punjab Green Development Programme (PGDP), the loan agreement was signed in May 2018.
2. Finalized the Technical Assistance for Knowledge Sharing (TAKS) with the Asian Development Bank (ADB) for Revitalization of Ecosystem of River Ravi.
3. The plan for Restructuring of Environmental Protection Department (EPD) was prepared.

INITIATIVES OF FY 2018-19:

1. Establishment and functioning of Strategic Planning & Implementation Unit (SP&IU) to carry out the activities identified under PGDP.
2. Establishment of Environmental Endowment Fund/Provincial Sustainable Development Fund (PSDF) for promoting green investments in the province, which is also reflected as Environmental Endowment Fund (EEF) under PGDP.
3. Capacity building of field office of Environmental Protection Agency to effectively monitor the Air & Water
4. Commencement of activities under ADB Technical Assistance for Revitalization of ecosystem of River Ravi.

TRENDS OF ALLOCATION

Sr. No.	Year	Allocation (in Million)
1	2013-14	164
2	2014-15	190
3	2015-16	50
4	2016-17	185
5	2017-18	540
6	2018-19	1,200

DEVELOPMENT PROGRAMME 2018-19

(Million PKR)

	Sub Sector	Local	F. Aid	Total
NEW Schemes				
	Regular	830.688	0	830.688
	Total	830.688	0	830.688
On-going Schemes				
	Regular	369.312	0	369.312
	Total	369.312	0	369.312
Total (On-going + New + ODP)		1200	0	1200

DEVELOPMENT PROGRAMME 2019-20

(Million PKR)

	Sub Sector	Local	F. Aid	Total
NEW Schemes				
	Regular	7347.993	0	7347.993
	Total	7347.993	0	7347.993
On-going Schemes				
	Regular	241.793	0	241.793
	Total	241.793	0	241.793
Total (On-going + New + ODP)		7589.786	0	7589.786

DEVELOPMENT PROGRAMME 2020-21

(Million PKR)

	Sub Sector	Local	F. Aid	Total
NEW Schemes				
	Regular	19577.34	0	19577.34
	Total	19577.34	0	19577.34
On-going Schemes				
	Regular	195	0	195
	Total	195	0	195
Total (On-going + New + ODP)		19772.34	0	19772.34

ENVIRONMENT & CLIMATE CHANGE: SUMMARY

(PKR Million)

Type / Sub Sector	No. of Schemes	Provision for 2018-19				Projection for 2019-20	Projection for 2020-21
		Capital	Revenue	Foreign Aid	G. Total (Cap + Rev)		
<u>ON-GOING SCHEMES</u>							
Regular	2	0.000	249.312	0.000	249.312	0.000	0.000
Punjab Green Development Programme	2	0.000	120.000	0.000	120.000	241.793	195.000
Total: ON-GOING SCHEMES	4	0.000	369.312	0.000	369.312	241.793	195.000
<u>NEW SCHEMES</u>							
Regular	3	0.000	225.688	0.000	225.688	964.312	80.000
Punjab Green Development Programme	12	0.000	605.000	0.000	605.000	6,383.681	19,497.338
Total: NEW SCHEMES	15	0.000	830.688	0.000	830.688	7,347.993	19,577.338
Total: ADP	19	0.000	1,200.000	0.000	1,200.000	7,589.786	19,772.338
Grand Total	19	0.000	1,200.000	0.000	1,200.000	7,589.786	19,772.338

Environment & Climate Change

(PKR Million)

GS No	Scheme Information Scheme ID / Approval Date / Location	Est. Cost	Accum. Exp. June, 18	Provision for 2018-19			MTDF Projections		Throw fwd Beyond June, 2021
				Cap.	Rev.	G.Total (Cap.+Rev.)	2019-20	2020-21	
1	2	3	4	5	6	7	8	9	10

ON-GOING SCHEMES

Regular

5933	Capacity Building of EPA Punjab for Enforcement of Environmental Standards in Punjab including Combined Effluent Treatment Plants (CETPs) and Industrial Estates (IEs) under J&C Program 34-16-37-004733 / 06-01-2017 / Punjab LO16000831 R	295.331	65.130	0.000	230.201	230.201	0.000	0.000	0.000
5934	Development of Biodiversity Parks in Collaboration with City District Governments, District Governments and Business Communities 34-08-38-001887 / 01-07-2008 / Bahawalpur, Dera Ghazi Khan, Kasur, Lahore LO10000482 R	181.611	162.500	0.000	19.111	19.111	0.000	0.000	0.000
Total: Regular		476.942	227.630	0.000	249.312	249.312	0.000	0.000	0.000

Punjab Green Development Programme

5935	PC-II for Rationalization, Revision and Development of Environmental Quality Standards and Industry Specific Standards 34-16-19-004731 / 10-03-2017 / Lahore LO16000821 R	29.793	0.000	0.000	20.000	20.000	9.793	0.000	0.000
5936	Strengthening of Strategic Planning and Implementation Unit 34-17-19-007376 / 04-04-2018 / Lahore LO17001780 R	845.229	0.000	0.000	100.000	100.000	232.000	195.000	318.229
Total: Punjab Green Development Programme		875.022	0.000	0.000	120.000	120.000	241.793	195.000	318.229
Total: ON-GOING SCHEMES		1,351.964	227.630	0.000	369.312	369.312	241.793	195.000	318.229

NEW SCHEMES

Regular

5937	Revitalization of Eco System of River Ravi 34-18-19-007344 / Un-Approved / Lahore LO17001783 R	200.000	0.000	0.000	20.000	20.000	100.000	80.000	0.000
5938	Improving Environmental Governance in Punjab through Capacity Building of existing EPA Field Offices. 34-18-37-025814 / Un-Approved / Punjab	810.000	0.000	0.000	100.000	100.000	710.000	0.000	0.000
5939	Provision of Missing Environmental Monitoring Equipment / Instruments in existing 8 regional Labs of EPA Punjab 34-18-37-025815 / Un-Approved / Punjab	260.000	0.000	0.000	105.688	105.688	154.312	0.000	0.000
Total: Regular		1,270.000	0.000	0.000	225.688	225.688	964.312	80.000	0.000

Punjab Green Development Programme

5940	Establishment of Environmental Technology Center (PGDP) 34-18-19-007361 / Un-Approved / Lahore LO17001784 R	1,562.085	0.000	0.000	20.000	20.000	330.000	1,212.085	0.000
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(PKR Million)

GS No	Scheme Information Scheme ID / Approval Date / Location	Est. Cost	Accum. Exp. June, 18	Provision for 2018-19			MTDF Projections		Throw fwd Beyond June, 2021
				Cap.	Rev.	G.Total (Cap.+Rev.)	2019-20	2020-21	
1	2	3	4	5	6	7	8	9	10
5941	Establishment of Environmental Monitoring Center (Reference Laboratory, Environmental Monitoring Station, Modeling & Forecasting). (PGDP) 34-18-19-023129 / Un-Approved / Lahore LO00000000 R	4,072.992	0.000	0.000	20.000	20.000	1,080.000	2,972.992	0.000
5942	Enhanced Environmental Quality Monitoring System for Punjab Air, Surface and Ground Water Resources (PGDP) 34-18-37-007378 / Un-Approved / Punjab LO17001781 R	1,191.813	0.000	0.000	80.000	80.000	520.000	591.813	0.000
5943	Establishment of Environmental Policy Center including Preparation and Publication of 3 State of Environment Reports for Punjab (PGDP). 34-18-37-023138 / Un-Approved / Punjab	266.133	0.000	0.000	30.000	30.000	100.000	136.133	0.000
5944	Pilot of Low Cost Wastewater Treatment using Bioremediation and Other Viable Treatment Options (PGDP). 34-18-37-023156 / Un-Approved / Punjab	1,041.390	0.000	0.000	20.000	20.000	680.000	341.390	0.000
5945	Pilot/Demonstration Resource Efficiency & Cleaner Production Investments in Steel Furnaces and Foundries, Plastic Waste Management, Rice Mills, Stone Crushing Units and Brick Kilns, Tanneries/ Lather Units and Others (PGDP). 34-18-37-023158 / Un-Approved / Punjab	6,688.038	0.000	0.000	20.000	20.000	1,080.000	5,588.038	0.000
5946	Demonstration Project on Industries for Urban Centers, Relocation of Tannery Units to Sialkot Tannery Zone and its Operationalization (PGDP) 34-18-37-023161 / Un-Approved / Punjab	1,041.390	0.000	0.000	50.000	50.000	608.681	382.709	0.000
5947	Restructuring and Capacity Building of Environment Protection Department and other related agencies (PGDP) 34-18-37-024795 / Un-Approved / Punjab LO00000000 R	2,615.046	0.000	0.000	50.000	50.000	550.000	2,015.046	0.000
5948	Development and Implementation of Policy and Legal Framework for Better Environmental Governance (PGDP) 34-18-37-024796 / Un-Approved / Punjab LO00000000 R	578.550	0.000	0.000	25.000	25.000	75.000	478.550	0.000
5949	Technical Support for Program Implementation and Independent Verification (PGDP) 34-18-37-024797 / Un-Approved / Punjab LO00000000 R	694.260	0.000	0.000	20.000	20.000	130.000	544.260	0.000
5950	Establishment of Environmental Endowment Fund / Provincial Sustainable Development Fund including Capitalization, Development of Regulations and Framework for Management Operation and its sustainability (PGDP) 34-18-37-024798 / Un-Approved / Punjab LO00000000 R	6,364.050	0.000	0.000	220.000	220.000	1,080.000	5,064.050	0.000

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				Cap.	Rev.	G.Total (Cap.+Rev.)	2019-20	2020-21	
1	2	3	4	5	6	7	8	9	10
5951	Public Disclosure, Awareness Raising, Communication and Citizen Engagement for Green Consumption and Production (PGDP) 34-18-37-024799 / Un-Approved / Punjab LO00000000 R	370.272	0.000	0.000	50.000	50.000	150.000	170.272	0.000
Total: Punjab Green Development Programme		26,486.019	0.000	0.000	605.000	605.000	6,383.681	19,497.338	0.000
Total: NEW SCHEMES		27,756.019	0.000	0.000	830.688	830.688	7,347.993	19,577.338	0.000
Grand Total		29,107.983	227.630	0.000	1,200.000	1,200.000	7,589.786	19,772.338	318.229