

ENVIRONMENT & CLIMATE CHANGE

VISION AND GOAL:

Environment Protection Department (EPD) aims to promote sustainable development in the province through integration of environmental considerations in pursuit of economic growth while improving regulatory regime and enforcement mechanism. Consequent to devolution of the subjects of environment and ecology through 18th Constitutional Amendment, the environmental affairs of the province are regulated under the Punjab Environmental Protection Act (amended 2012) and Rules made there under. The goal of Environment Protection Department is to protect, conserve and restore Punjab's environment in order to improve the quality of life of the citizens and achieve sustainable development goals.

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 environmental 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 Punjab
2. Promote green investments to reduce pollution
3. Enhance environmental awareness
4. Monitor, review and rationalize the Environmental Quality Standards (EQSs)
5. Effectively exercise the regulatory control on environmental pollution

6. Ensure environmental sustainability through capacity building of provincial departments
7. Promote research and 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)
- Enhanced environmental quality monitoring systems for Punjab Air, Surface and Ground water resources by establishing air and water quality monitoring stations in Punjab.
- Restructuring and capacity building of Environment Protection Department (EPD) to effectively enforce the regulatory framework and environment protection.
- Establishment of Environmental laboratories at DG Khan and Bahawalpur to strengthen the environmental monitoring in south Punjab.
- Establishment of Environmental Endowment Fund/Provincial Sustainable Development Fund (PSDF) for promoting green investments in the province.

ACHIEVEMENTS OF FY 2018-19:

1. The issues related to implementation of World Bank funded P4R Punjab Green Development Programme (PGDP) were resolved and program will be started in 2019-20.
2. The work on Technical Assistance for revitalizing the ecosystem of River Ravi basin continued.
3. The implementation on Punjab SMOG policy 2017 continued in 2018-19 and incidence and impact of smog was effectively reduced.

KEY INITIATIVES OF FY 2019-20:

1. 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.
2. Establishment and functioning of Strategic Planning & Implementation Unit (SP&IU) to carry out the activities identified under Punjab Green Development Programme.
3. Establishment of Environmental Laboratories at DG Khan and Bahawalpur.
4. Enhanced environmental quality monitoring systems for Punjab's air, surface and ground water resources.
5. Provision of Missing Environmental Monitoring Equipment / Instruments in existing 8 regional Labs of EPA Punjab to effectively monitor the Air & Water quality.

Punjab Green Development Programme (PGDP)

The Punjab Green Development Programme (PGDP) is funded by the World Bank to strengthen environmental governance and promote green investments in Punjab. The total cost of the programme is US\$ 273 million out of which US\$ 200 million would be provided as loan by the World Bank under P4R modality. The implementation of this programme will start in 2019-20 and an allocation of Rs. 599 million has been made in Environment & climate change sector. The Energy Department will implement a scheme under PGDP titled "Retrofitting of public institutions" with the allocation of Rs. 500 million in FY 2019-20, the total cost of scheme is Rs. 2.5 billion. The Transport department is also implementing a scheme for expansion of private Vehicle Inspection & Certification System (VICS) in Punjab under PPP mode.

TRENDS OF ALLOCATION:

Sr. No.	Year	Allocation (Rs. in Million)	Revised Allocation (Rs. in Million)
1.	2015-16	50.00	49.994
2.	2016-17	185.00	157.80
3.	2017-18	540.00	127.842
4.	2018-19	1200.00	4.182
5.	2019-20	1000.00	-

ENVIRONMENT & CLIMATE CHANGE: SUMMARY

(PKR Million)

Type / Sub Sector	No. of Schemes	Provision for 2019-20				Projection for 2020-21	Projection for 2021-22
		Capital	Revenue	Foreign Aid	G. Total (Cap + Rev)		
<u>ON-GOING SCHEMES</u>							
Regular	4	0.000	405.132	0.000	405.132	365.022	350.000
Total: ON-GOING SCHEMES	4	0.000	405.132	0.000	405.132	365.022	350.000
<u>NEW SCHEMES</u>							
Regular	13	0.000	594.868	0.000	594.868	5,115.132	835.000
Total: NEW SCHEMES	13	0.000	594.868	0.000	594.868	5,115.132	835.000
Grand Total	17	0.000	1,000.000	0.000	1,000.000	5,480.154	1,185.000

Environment & Climate Change

(PKR Million)

GS No	Scheme Information Scheme ID / Approval Date / Location	Est. Cost	Accum. Exp. June, 19	Provision for 2019-20			MTDF Projections		Throw fwd Beyond June, 2022
				Cap.	Rev.	G.Total (Cap.+Rev.)	2020-21	2021-22	
1	2	3	4	5	6	7	8	9	10

ON-GOING SCHEMES

Regular

5146	Development of Biodiversity Parks in Collaboration with City District Governments, District Governments and Business Communities 01290800026 / 01-07-2008 / Rawalpindi	181.611	162.500	0.000	19.111	19.111	0.000	0.000	0.000
5147	PC-II for Rationalization, Revision and Development of Environmental Quality Standards and Industry Specific Standards (PGDP, DLI-1,2) 01371601977 / 10-03-2017 / Punjab	29.793	0.000	0.000	10.000	10.000	19.793	0.000	0.000
5148	Capacity Building of EPA Punjab for Enforcement of Environmental Standards in Punjab including Combined Effluent Treatment Plants (CETPs) and Industrial Estates (IEs). (J&C, DLI-1) 01371601979 / 06-01-2017 / Punjab	295.331	69.312	0.000	226.021	226.021	0.000	0.000	0.000
5149	Strengthening of Strategic Planning and Implementation Unit (PGDP, DLI-1) 01371700200 / 04-04-2018 / Punjab	845.229	0.000	0.000	150.000	150.000	345.229	350.000	0.000
Total: Regular		1,351.964	231.812	0.000	405.132	405.132	365.022	350.000	0.000
Total: ON-GOING SCHEMES		1,351.964	231.812	0.000	405.132	405.132	365.022	350.000	0.000

NEW SCHEMES

Regular

5150	Consultancy regarding Sustainability of Water Extraction in Kahoon Valley and Krauli Dam 01271902244 / Un-Approved / Chakwal	30.000	0.000	0.000	20.000	20.000	10.000	0.000	0.000
5151	Demonstration Project on Industries for Urban Centers, Relocation of Tannery Units to Sialkot Tannery Zone and its Operationalization (PGDP, DLI-7) 01171900177 / Un-Approved / Sialkot	500.000	0.000	0.000	5.000	5.000	200.000	295.000	0.000
5152	Piloting outcome of Revitalizing the Ecosystem of Ravi River Basin (TA by Asian Dev Bank) 01371900003 / Un-Approved / Punjab	200.000	0.000	0.000	5.000	5.000	195.000	0.000	0.000
5153	Enhanced Environmental Quality Monitoring System for Punjab Air, Surface and Ground Water Resources (PGDP, DLI-, 1,2, 3) 01371900005 / Un-Approved / Punjab	1,150.000	0.000	0.000	294.868	294.868	855.132	0.000	0.000
5154	Establishment of Environmental Monitoring Center (Reference Laboratory, Environmental Monitoring Station, Modeling & Forecasting). (PGDP, DLI- 1,2, 3) 01371900171 / Un-Approved / Punjab	1,000.000	0.000	0.000	15.000	15.000	985.000	0.000	0.000
5155	Establishment of Environmental Policy Center (PGDP, DLI-1, 3). 01371900172 / Un-Approved / Punjab	100.000	0.000	0.000	5.000	5.000	50.000	45.000	0.000
5156	Pilot/Demonstration Resource Efficiency & Cleaner Production Investments in key Industrial Sectors (PGDP, DLI 1,4, 7) 01371900176 / Un-Approved / Punjab	2,000.000	0.000	0.000	5.000	5.000	1,500.000	495.000	0.000

Environment & Climate Change

(PKR Million)

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				Cap.	Rev.	G.Total (Cap.+Rev.)	2020-21	2021-22	
1	2	3	4	5	6	7	8	9	10
5157	Restructuring and Capacity Building of Environment Protection Department and other related agencies (PGDP, DLI-1) 01371900184 / Un-Approved / Punjab	700.000	0.000	0.000	90.000	90.000	610.000	0.000	0.000
5158	Development and Implementation of Policy and Legal Framework for Better Environmental Governance (PGDP, DLI-1) 01371900185 / Un-Approved / Punjab	250.000	0.000	0.000	5.000	5.000	245.000	0.000	0.000
5159	Establishment of Environmental Endowment Fund / Provincial Sustainable Development Fund, Development of regulations and framework for management operation and its sustainability (PGDP, DLI-8) 01371900187 / Un-Approved / Punjab	15.000	0.000	0.000	10.000	10.000	5.000	0.000	0.000
5160	Public Disclosure, Awareness Raising, Communication and Citizen Engagement for Green Consumption and Production (PGDP, DLI 3) 01371900188 / Un-Approved / Punjab	100.000	0.000	0.000	10.000	10.000	90.000	0.000	0.000
5161	Provision of Missing Environmental Monitoring Equipment / Instruments in existing 8 regional Labs of EPA Punjab 01371800291 / Un-Approved / Punjab	250.000	0.000	0.000	65.000	65.000	185.000	0.000	0.000
5162	Establishment of Environmental Laboratories at DG Khan and Bahawalpur 01381900902 / Un-Approved / Bahawalpur, Dera Ghazi Khan	250.000	0.000	0.000	65.000	65.000	185.000	0.000	0.000
Total: Regular		6,545.000	0.000	0.000	594.868	594.868	5,115.132	835.000	0.000
Total: NEW SCHEMES		6,545.000	0.000	0.000	594.868	594.868	5,115.132	835.000	0.000
Grand Total		7,896.964	231.812	0.000	1,000.000	1,000.000	5,480.154	1,185.000	0.000