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# **ENVIRONMENT**

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## **ENVIRONMENT**

### **VISION**

Promotion and attainment of sustainable development in the province through integration of economic and environmental considerations.

### **POLICY**

- Implement Pakistan Environmental Protection Act (PEPA 1997).
- Promote environmental awareness among the masses.
- Implement National Environmental Quality Standards (NEQS)
- Promote R&D in pollution prevention and environmental improvement.
- Monitoring of the quality of industrial effluents and municipal wastes.
- Encourage sustainable development.
- Provide information on environment friendly technologies.
- Conducting campaigns against smoky and noisy vehicles.
- Review of IEE/ EIA and issue environmental approvals.
- Collaborate with NGOs/ CBOs for undertaking environment related projects.
- Coordinate with Federal Government and other Provinces on environmental issues / policies / laws.

### **STRATEGIC INTERVENTIONS**

- Regulatory Control on Environmental Pollution through Capacity Building of EPA Punjab.
- Imparting Environmental Sustainability through Capacity Building of Provincial Departments in Environmental Management by training in various areas of Environmental Management including Environmental Impact Assessment and Life Cycle Assessment Etc.
- Grass root Initiatives through Community Based Environmental Improvement Programme.
- Introduction of Environment Friendly Indigenous Technologies for Various Small and Medium Enterprises in Punjab.

- Motivation of Research and Educational Institutions for Development of Indigenous Pollution Control Technologies.
- Bringing in Behavioral and Attitudinal Changes among Masses Particularly Youth by Establishment of Environmental Clubs at School and College Level.
- Monitoring and Characterization of Surface Water Bodies in Punjab.
- Promotion and Propagation of various Sources of Alternative Energies suitable to Geological and Climatic Conditions of Punjab Particularly Solar Energy System.
- Propagation of Environmental Monitoring and Surveillance Program to Identify and quantify the state of pollution.

#### TREND OF ALLOCATIONS

(Million Rs.)

Year	Original allocation	Revised Allocation
2005-06	275.000	175.000
2006-07	550.000	550.000
2007-08	1150.000	407.243
2008-09	1000.000	474.000
2009-10	500.000	

## TARGETS

S. #	INTERVENTION	TARGETS 2008-09	ACHIEVEMENTS 2008-09	TARGETS (Nos)		
				2009-10	2010-11	2011-12
1)	Formulation of sustainable Development Strategy	100%	100%	---	---	---
2)	Installation of Suspended Particulate Display System in Punjab.	Lahore (3)	Lahore (3)	----	Faisalabad Multan 2 in each	Rawalpindi Bahawalpur 2 in each
3)	Monitoring of Surface Water bodies in Punjab	100%	20%	20%	30%	30%
4)	Establishment of Environmental Laboratories in Six Districts of Punjab.	100 %	40%	20%	Bahawalpur	Sheikhupura
5)	Community based Environmental Improvement Programme	100 NGOs	92 NGOs	125 NGOs	150 NGOs	200 NGOs
6)	Public Education & Awareness Programme	3 Districts	3 Districts	10	10	20
7)	Preservation and Enhancement of Biodiversity	1 Park	1 Park	2 Parks	2 Parks	2 Parks
8)	Promotion of Solar Energy System	1 site	1 site	5 sites	5 sites	10 sites
9)	Waster water treatment provision in slum areas	----	----	5 sites	5 sites	10 sites

**MTDF 2009-12**  
**Environment : Summary**  
**Development Programme 2009-10**

(Million Rs)

Sub-Sector	Ongoing Programme					New Programme					Total				
	Capital	Revenue	Total	F. Aid	Total	Capital	Revenue	Total	F. Aid	Total	Capital	Revenue	Total	F. Aid	Total
Environment	0.000	343.121	343.121	0.000	343.121	0.000	156.879	156.879	0.000	156.879	0.000	500.000	500.000	0.000	500.000
<b>Total</b>	<b>0.000</b>	<b>343.121</b>	<b>343.121</b>	<b>0.000</b>	<b>343.121</b>	<b>0.000</b>	<b>156.879</b>	<b>156.879</b>	<b>0.000</b>	<b>156.879</b>	<b>0.000</b>	<b>500.000</b>	<b>500.000</b>	<b>0.000</b>	<b>500.000</b>
No. of Schemes	11					8					19				

**Development Programme 2010-11**

Sub-Sector	Ongoing Programme					New Programme					Total				
	Capital	Revenue	Total	F. Aid	Total	Capital	Revenue	Total	F. Aid	Total	Capital	Revenue	Total	F. Aid	Total
Environment	0.000	200.000	200.000	0.000	200.000	0.000	500.000	500.000	0.000	500.000	0.000	700.000	700.000	0.000	700.000
<b>Total</b>	<b>0.000</b>	<b>200.000</b>	<b>200.000</b>	<b>0.000</b>	<b>200.000</b>	<b>0.000</b>	<b>500.000</b>	<b>500.000</b>	<b>0.000</b>	<b>500.000</b>	<b>0.000</b>	<b>700.000</b>	<b>700.000</b>	<b>0.000</b>	<b>700.000</b>

**Development Programme 2011-12**

Sub-Sector	Ongoing Programme					New Programme					Total				
	Capital	Revenue	Total	F. Aid	Total	Capital	Revenue	Total	F. Aid	Total	Capital	Revenue	Total	F. Aid	Total
Environment	0.000	315.000	315.000	0.000	315.000	0.000	585.000	585.000	0.000	585.000	0.000	900.000	900.000	0.000	900.000
<b>Total</b>	<b>0.000</b>	<b>315.000</b>	<b>315.000</b>	<b>0.000</b>	<b>315.000</b>	<b>0.000</b>	<b>585.000</b>	<b>585.000</b>	<b>0.000</b>	<b>585.000</b>	<b>0.000</b>	<b>900.000</b>	<b>900.000</b>	<b>0.000</b>	<b>900.000</b>

**ENVIRONMENT MTDF 2009-10: GRAND TOTAL**      **2,100.000**

## ENVIRONMENT: SUMMARY

(Million Rs)

Type / Sub Sector	No. of Schemes	Provision for 2009-10							Projection for 2010-11	Projection for 2011-12
		Local		Foreign Aid		Total		G. Total (Cap+Rev)		
		Capital	Revenue	Capital	Revenue	Capital	Revenue			
<b>ON-GOING SCHEMES</b>	11	0.000	343.121	0.000	0.000	0.000	343.121	343.121	83.600	0.000
<b>NEW SCHEMES</b>	8	0.000	156.879	0.000	0.000	0.000	156.879	156.879	120.000	15.000
<b>Grand Total</b>	<b>19</b>	<b>0.000</b>	<b>500.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>500.000</b>	<b>500.000</b>	<b>203.600</b>	<b>15.000</b>

## ENVIRONMENT

(Million Rs)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2008-09	Provision for 2009-10						Projection for 2010-11	Projection for 2011-12	Throw fwd beyond June, 2012	
			F. Aid	Total		Local		Foreign Aid		Total					G. Total (Cap+Rev)
						Cap	Rev	Cap	Rev	Cap	Rev				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

### ON-GOING SCHEMES

#### Regular

4330	1	Name of the Scheme	Monitoring of surface water bodies in Punjab	0.000	30.000	20.180	0.000	9.820	0.000	0.000	0.000	9.820	9.820	0.000	0.000	0.000
		Approval Date	Approved 18-10-2007													
		Major Components	Monitoring and Surveillance of water Bodies. Identification of pollution sources, proposing measures and guidelines for protection of water bodies.													
		Major Targets	100%													
		District and Tehsil	Punjab , ---													
4331	2	Name of the Scheme	Monitoring and propagation of Measures to mitigate Arsenic and Fluoride in Drinking water in Punjab	0.000	10.000	4.610	0.000	5.390	0.000	0.000	0.000	5.390	5.390	0.000	0.000	0.000
		Approval Date	Approved 27-08-2007													
		Major Components	Monitoring of subsoil source water sources for Arsenic contamination to prevent health hazards.													
		Major Targets	100%													
		District and Tehsil	Punjab , ---													
4332	3	Name of the Scheme	Establishment of environmental laboratories	0.000	200.000	76.900	0.000	123.100	0.000	0.000	0.000	123.100	123.100	0.000	0.000	0.000
		Approval Date	Approved 28-08-2007													
		Major Components	Construction of building in Multan, rent and procurement of equipments for remaining laboratories.													
		Major Targets	100%													
		District and Tehsil	Sialkot, Gujranwala, Rawalpindi Faisalabad, Multan, Rahim Yar Khan , ---													

## ENVIRONMENT

(Million Rs)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2008-09	Provision for 2009-10						Projection for 2010-11	Projection for 2011-12	Throw fwd beyond June, 2012	
			F. Aid	Total		Local		Foreign Aid		Total					G. Total (Cap+Rev)
						Cap	Rev	Cap	Rev	Cap	Rev				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
4333	4	Name of the Scheme Provision of Field Monitoring Kits to Inspectors and Establishment of Mobile Squads in three Major Cities of Punjab  Approval Date Approved 28-08-2007 Major Components Procurement of kits, uniform and safety and monitoring equipment to be used for the monitoring of environmental pollution and safety of EPA field staff. Major Targets 100% District and Tehsil Punjab , ---	0.000	41.500	35.540	0.000	5.960	0.000	0.000	0.000	5.960	5.960	0.000	0.000	0.000
4334	5	Name of the Scheme Sensitization of Public Through Environmental Education  Approval Date Approved 18-10-2007 Major Components Durable goods, Consultancy for development of effective literature, use of FM, documentary, print, khutbas and electronic medias etc. Major Targets 80% District and Tehsil Punjab , ---	0.000	50.000	15.750	0.000	25.050	0.000	0.000	0.000	25.050	25.050	9.200	0.000	0.000
4335	6	Name of the Scheme Establishment of Environmental Clubs in Public/ Private Schools/ Colleges  Approval Date Approved 27-08-07 Major Components Formation of environmental clubs in different schools and colleges and motivating the youth for its contribution towards its environmental improvement. Major Targets 100% District and Tehsil Punjab , ---	0.000	7.000	6.257	0.000	0.743	0.000	0.000	0.000	0.743	0.743	0.000	0.000	0.000
4336	7	Name of the Scheme Regulatory Control on Environmental Degradation through Capacity Building of EPA, Punjab  Approval Date 26-12-2007 Major Components Capacity building of Prov. EPA. Appointment of experts in new areas of Environmental concern. Major Targets 100% District and Tehsil Punjab , ---	0.000	75.000	17.520	0.000	56.580	0.000	0.000	0.000	56.580	56.580	0.000	0.000	0.000



## ENVIRONMENT

(Million Rs)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2008-09	Provision for 2009-10						Projection for 2010-11	Projection for 2011-12	Throw fwd beyond June, 2012	
			F. Aid	Total		Local		Foreign Aid		Total					G. Total (Cap+Rev)
						Cap	Rev	Cap	Rev	Cap	Rev				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
4337	8	Name of the Scheme Collaboration with Educational Institutions for Development of Indigenous Technologies. Punjab University  Approval Date 30.01.08 Major Components Collaboration with academic institutions to carry out various research studies in the field of environment Major Targets 100% District and Tehsil Punjab , ---	0.000	33.000	29.662	0.000	3.338	0.000	0.000	0.000	3.338	3.338	0.000	0.000	0.000
4338	9	Name of the Scheme Development of Biodiversity Parks in Collaboration with City District Governments, District Governments and Business Communities  Approval Date 10/2/2009 Major Components Arrangement for development of species specific habitat for rare and endangered species of flora and fauna, Procurement of various species Major Targets 59% District and Tehsil Punjab , ---	0.000	184.500	30.100	0.000	80.000	0.000	0.000	0.000	80.000	80.000	74.400	0.000	0.000
4339	10	Name of the Scheme Capacity building of provincial departments in environmental management through training in IEE/ EIA, EA and LCA.  Approval Date 17-10-08 Major Components Hiring of experts in relevant field for environmental protection, promotion and rehabilitation, recruitment of staff, arrangement of necessary material. Major Targets 100% District and Tehsil Punjab , ---	0.000	24.750	7.000	0.000	17.750	0.000	0.000	0.000	17.750	17.750	0.000	0.000	0.000

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GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2008-09	Provision for 2009-10						Projection for 2010-11	Projection for 2011-12	Throw fwd beyond June, 2012	
			F. Aid	Total		Local		Foreign Aid		Total					G. Total (Cap+Rev)
						Cap	Rev	Cap	Rev	Cap	Rev				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
4340	11	Name of the Scheme Approval Date Major Components Major Targets District and Tehsil	0.000	30.000	14.610	0.000	15.390	0.000	0.000	0.000	15.390	15.390	0.000	0.000	0.000
		Community Based Environmental Improvement Programme 17-10-08 Financial support to NGOs for Environmental improvement & conservaiton 100% Punjab , ---													
<b>Sub-Total: Regular</b>			<b>0.000</b>	<b>685.750</b>	<b>258.129</b>	<b>0.000</b>	<b>343.121</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>343.121</b>	<b>343.121</b>	<b>83.600</b>	<b>0.000</b>	<b>0.000</b>
<b>Total: ON-GOING SCHEMES</b>			<b>0.000</b>	<b>685.750</b>	<b>258.129</b>	<b>0.000</b>	<b>343.121</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>343.121</b>	<b>343.121</b>	<b>83.600</b>	<b>0.000</b>	<b>0.000</b>

## NEW SCHEMES

### Regular

4341	12	Name of the Scheme Approval Date Major Components Major Targets District and Tehsil	0.000	3.000	0.000	0.000	3.000	0.000	0.000	0.000	3.000	3.000	0.000	0.000	0.000
		Establishment of Environmental Resource Centre Un-approved To provide update data about air quality monitoring, water and waste water pollution to the concerned quarters. 100% Lahore , ---													
4342	13	Name of the Scheme Approval Date Major Components Major Targets District and Tehsil	0.000	10.000	0.000	0.000	10.000	0.000	0.000	0.000	10.000	10.000	0.000	0.000	0.000
		Establishment of environmental information centre & up gradation of EPA Library Un-Approved Procurement of furniture, fixture, books, literature, and internet facility. 100% Lahore , ---													
4343	14	Name of the Scheme Approval Date Major Components Major Targets District and Tehsil	0.000	84.505	0.000	0.000	34.505	0.000	0.000	0.000	34.505	34.505	50.000	0.000	0.000
		Pilot project for introduction of solar Energy Use at Grass-root level Un-Approved Procurement of solar panels. 40% Punjab , ---													

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			F. Aid	Total		Local		Foreign Aid		Total					G. Total (Cap+Rev)
						Cap	Rev	Cap	Rev	Cap	Rev				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
4344	15	Name of the Scheme Designing and Fabrication of Pollution Control Units in Selected Industries (Cotton Engg.; Poultry protein Feeds, Pulp & Paper and Re-rolling Mills.  Approval Date 26-08-2007  Major Components Identification of appropriate measures/ technologies applicable to selected industries so as to control their pollution.  Major Targets 100%  District and Tehsil Punjab , ---	0.000	6.000	0.000	0.000	6.000	0.000	0.000	0.000	6.000	6.000	0.000	0.000	0.000
4345	16	Name of the Scheme Feasibility Study for Introducing Environment Friendly Technologies in Existing and New Brick Kilns in Punjab  Approval Date Un-Approved  Major Components Introduction of Environment friendly technologies in Brick manufacturing Sector  Major Targets 100%  District and Tehsil Punjab , ---	0.000	2.000	0.000	0.000	2.000	0.000	0.000	0.000	2.000	2.000	0.000	0.000	0.000
4346	17	Name of the Scheme Strengthening field staff for environmental monitoring and compliance  Approval Date Un-Approved  Major Components Procurement of equipment and provision of transport facility  Major Targets 62%  District and Tehsil Punjab , ---	0.000	130.000	0.000	0.000	80.000	0.000	0.000	0.000	80.000	80.000	50.000	0.000	0.000
4347	18	Name of the Scheme Capacity building of Stakeholders for Mitigating Climate change impacts and earning money from carbon funds  Approval Date Un-Approved  Major Components Hiring of expertise, equipment, software and workshop  Major Targets 25%  District and Tehsil Punjab , ---	0.000	40.000	0.000	0.000	10.000	0.000	0.000	0.000	10.000	10.000	15.000	15.000	0.000

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			F. Aid	Total		Local		Foreign Aid		Total					G. Total (Cap+Rev)
						Cap	Rev	Cap	Rev	Cap	Rev				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
4348	19	Name of the Scheme Introducing Management & Legal Discipline to Improve Service Delivery  Approval Date Un-Approved  Major Components Software, Literature, Expertise and Mobility  Major Targets 76%  District and Tehsil Punjab , ---	0.000	15.000	0.000	0.000	11.374	0.000	0.000	0.000	11.374	11.374	5.000	0.000	0.000
<b>Sub-Total: Regular</b>			<b>0.000</b>	<b>290.505</b>	<b>0.000</b>	<b>0.000</b>	<b>156.879</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>156.879</b>	<b>156.879</b>	<b>120.000</b>	<b>15.000</b>	<b>0.000</b>
<b>Total: NEW SCHEMES</b>			<b>0.000</b>	<b>290.505</b>	<b>0.000</b>	<b>0.000</b>	<b>156.879</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>156.879</b>	<b>156.879</b>	<b>120.000</b>	<b>15.000</b>	<b>0.000</b>
<b>Grand Total</b>			<b>0.000</b>	<b>976.255</b>	<b>258.129</b>	<b>0.000</b>	<b>500.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>500.000</b>	<b>500.000</b>	<b>203.600</b>	<b>15.000</b>	<b>0.000</b>