

**PROPOSED CONTENTS OF STATE OF THE  
PUNJAB'S ENVIRONMENT REPORT 2023**

Sr.	Table of Contents	Proposed Content
A.	Credits	Editors Authors Review, Production and Contributions Citation
B.	Disclaimer	---
C.	Message from Secretary, EPD Punjab	Words of acknowledgement from Secretary, EPD
D.	Message from Director General, EPA Punjab	Foreword and acknowledgements from DG, EPA
E.	Acknowledgements	---
F.	Executive Summary	Chapter-wise excerpts from the report
G.	Table of Contents	As per Contents of Report
H.	List of Figures	-do-
I.	List of Tables	-do-
J.	List of Acronyms	-do-
<b>Building The Context</b>		
1.	<b>Chapter 1 Introduction</b>	
	1.1. Background	Mainstay of SOE Report and a brief on key findings of SOE Report (2022)
	1.2. Purpose of the Report	Narrating the purpose of publication of report in line with the purpose of SOE Report 2022
	1.3. Approach and Methodology	Approach and methodology adopted for compilation of report including data collection, monitoring, field surveys, interviews, etc.
	1.4. Consultations	Description of consultations made during preparation and publication of report
	1.5. What's new in the report?	New sectors, chapters, data sets added in Report 2023 as compared to Report 2022
	1.6. Reader's Guide	Color codes, keys and frameworks used in report
	1.7. Limitations in Reporting	Any sort of limitations during report preparation and publication
<b>Punjab at a Glance</b>		
2.	<b>Chapter 2 Punjab in 2023</b>	
	2.1. Demography and Landuse	Population trends and growth rates, land use patterns and planning

	2.2. Energy	Punjab's Energy Mix, contribution in National Energy Mix, Fuel types
	2.3. Transport	Vehicles registration VICS and anti-smog activities
	2.4. Agriculture and Livestock	Description of agriculture sector in Punjab from economic and environmental perspectives
	2.5. Forests and Biodiversity	Forest cover change, afforestation and deforestation in Punjab
	2.6. Industry	Major manufacturing industry and SMEs in Punjab in environmental context
	2.7. Mining & Mineral Resources	A brief description of Punjab's mineral resources and mining sector
	2.8. Water, Sanitation and Hygiene (WASH)	Facts and figures on WASH sector
	2.9. Social Sector	Gender and poverty in context of environment

## State of Punjab's Environment

<b>3.</b>	<b>Chapter 3 Air</b>	
	3.1. Key Findings	Chapter's key findings
	3.2. Ambient Air Quality	Facts and figures on ambient air quality and data analysis & assessments
	3.3. Pollution sources	Identification of air pollution sources on the basis of available primary and secondary data
	3.3.1 Industrial Emissions	---
	3.3.2 Vehicular Emissions	---
	3.3.3 Agricultural Sources	---
	3.3.4 Air pollution from Power generation	---
	3.4. Impacts	Health and economic impacts from air pollution reported in Punjab
	3.5. Overall Assessment	Overall rating of air quality
	3.6. Response	Response on air pollution from government and other organizations
	3.7. Recommendations	---
	3.8. Conclusions	---
	3.9. References	---
<b>4.</b>	<b>Chapter 4 Water</b>	
	4.1. Key Findings	Chapter's key findings
	4.2. Surface Water Quality	Facts and figures on surface water quality and data analysis & assessments

	4.3. Ground/Drinking Water Quality	Facts and figures on ground/drinking water quality and data analysis & assessments
	4.4. Pollution Sources	Identification of air pollution sources on the basis of available primary and secondary data
	4.5. Impacts	Health and economic impacts from water pollution reported in Punjab
	4.6. Overall Assessment	Overall rating of water quality
	4.7. Response	Response on water pollution from government and other organizations
	4.8. Recommendations	---
	4.9. Conclusions	---
	4.10. References	---
<b>5.</b>	<b>Chapter 5 Soil</b>	
	5.1. Key Findings	Chapter's key findings
	5.2. Soil Quality	---
	5.2.1. Heavy Metal Contamination	---
	5.2.2. Soil Salinity & Water Logging	---
	5.2.3. Soil Fertility & Fertilizers/Pesticide Use	---
	5.2.4. Physical Properties of Soil	---
	5.2.5. Overall Assessment	Overall rating of soil quality
	5.3. Response	Response on soil pollution/land degradation from government and other organizations
	5.4. Recommendations	---
	5.5. Conclusions	---
	5.6. References	---
<b>6.</b>	<b>Chapter 6 Climate Change</b>	
	6.1. Weather Patterns and Climate Norms	---
	6.2. Climate Anomalies	---
	6.3. Sectoral Impacts of Climate Change	---
	6.4. Loss And Damages	---
	6.5. Response	---
	6.6. Recommendations	---
	6.7. Conclusions	---
	6.8. References	---

7.	<b>Chapter 7 Environmental Performance of Wastewater Treatment Facilities and Solid Waste Management Facilities</b>	
	7.1. Environmental Performance of Wastewater Treatment Plants	Assessment of effectiveness of WWTPs in treating industrial effluents
	7.2. Environmental Performance of Solid Waste Management Facilities	Assessment of environmental performance of municipal and hospital waste disposal facilities including landfills and incinerators
<b>Advancements By Environmental Protection Department</b>		
8.	<b>Chapter 8 Measures Taken to Control Pollution and Improve Environmental Quality</b>	---
9.	<b>Chapter 9 Environmental Complaints</b>	---
<b>Way Forward</b>		
10.	<b>Chapter 10 Environmental Action Plan (Review and Updates)</b>	Review of EAP framed in SOE Report 2022 and way forward
<b>Annexures</b>		
A.	<b>Public Feedback</b>	Comment received from stakeholders and response thereon