

**Report of the
Comptroller and Auditor General of India**

on

**ENVIRONMENT MANAGEMENT IN INDIAN RAILWAYS –
WORKSHOPS, SHEDS AND PRODUCTION UNITS**

for the year ended March 2013

Laid in Lok Sabha/Rajya Sabha on _____

Union Government (Railways)

No. 23 of 2014

(Performance Audit)

CONTENTS

	Paragraph	Pages
Preface		iii
List of Abbreviations		iv - v
Executive summary		vi
Major Audit Findings		vii-ix
Gist of recommendations		x
CHAPTER 1 - Introduction		
Organisation Setup	1.1	1
Audit Objectives	1.2	2
Sources of Audit Criteria	1.3	2
Scope and Audit Methodology	1.4	2
Acknowledgement	1.5	3
CHAPTER 2 - Prevention and Control of Pollution		
Statutory Compliance	2.1	4
Monitoring Pollution	2.2	7
ISO Certification	2.3	15
CHAPTER 3 - Conservation of Resources		
Conservation of Energy	3.1	17
Conservation of Water	3.2	25
CHAPTER 4 - Waste Management		
Management of Hazardous Waste	4.1	27
Disposal of Used Batteries	4.2	33

CHAPTER 5 - Health and Safety		
Ventilation and Lighting	5.1	35
Healthcare Facilities	5.2	36
Maintenance of Medical Records	5.3	37
Occupational Safety	5.4	37
CHAPTER 6 – Conclusions and Recommendations		
Conclusions	6.1	40
Recommendations	6.2	41
APPENDIX		
Organisation Chart	Appendix I	43
Statement showing details of Workshops, sheds and productions units selected for sample study	Appendix II	44
Statement showing details of Workshops, sheds and productions units selected from all Zonal Railways	Appendix III	45-47
Conditions of SPCB for granting of renewal of CFO	Appendix IV	48-50
Statement showing Workshops, sheds and productions units where air pollutions control equipments were not provided	Appendix V	51
Statement showing accidents and casualties in Workshops, Sheds and Production Units	Appendix VI	52