

Bulletin No. 27

Bulletin

on

Environmental Aspects of Mining Areas

(Revised Edition)



GOVERNMENT OF INDIA
MINISTRY OF MINES
INDIAN BUREAU OF MINES

Government of India
Ministry of Mines
INDIAN BUREAU OF MINES

Bulletin
on
**Environmental Aspects
of
Mining Areas**

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PREFACE

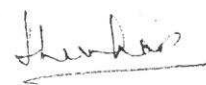
The first edition of the bulletin No. 27 namely "Environmental Aspects of Mining Areas" brought out by the "Indian Bureau of Mines" was published in January 1994. The publication received overwhelming response from the mining industries, as the publication not only served as a comprehensive account related to the environmental damage caused by the mining activity but also gave a brief account of various environmental & forest legislation related to mines, procedures to be followed for environmental & forest clearance related to mining projects, the Central & State Government authorities to be contacted for complying rules & regulations as envisaged in the Water (Prevention & Control of Pollution) Act 1974, Water (Prevention & Control Pollution) Cess act 1979 and the Air (Prevention & Control of Pollution) Act 1981.

In the present second edition, the amendments made in the Acts/Rules subsequent to 1994 have been incorporated. So also, chapters namely "Mine Closure Planning in Metalliferous Mines", "World Bank Environment, Health & Safety Guidelines related to Mining & Milling" and "An approach to Environmental Audit" have been added to cover all aspects of environment related to mining.

The noteworthy work done by the "Indian Bureau of Mines" since the inception of Mines Environment & Mineral Conservation Week celebration for the environmental protection & reclamation of lands damaged by mining is given in chapter No. 16.

The brief account of these efforts done by IBM conclusively establish that it can frame schemes related to environment, monitor its implementation and showcase/demonstrate to the concerned people/agencies that IBM deals effectively with various aspects of mine environment.

It is hoped that this updated second edition of the bulletin "Environmental Aspects of Mining Areas" will be received with the same enthusiasm by the mining industry as was received by the first edition.



(S.S. DAS)
Controller General
Indian Bureau of Mines

Nagpur,

Dated: 13/2/05

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ABBREVIATIONS USED

1.	IBM	Indian Bureau of Mines
2.	MOEF	Ministry of Environment & Forests
3.	CPCB	Central Pollution Control Board
4.	SPCB	State Pollution Control Board
5.	CCOM	Chief Controller of Mines, IBM
6.	MM (D&R) Act	Mines & Minerals (Regulation & Development) Act, 1957, Amended in 1986
7.	MCR, 1960	Mineral Concession Rules, 1960
8.	MCDR, 1988	Mineral Conservation & Development Rules, 1988
9.	RQP	Recognised Qualified Person under Rule 22 C of MCR, 1960
10.	E.P. Act, 1986	Environmental (Protection) Act, 1986
11.	E.P.R. 1986	Environmental (Protection) Rules, 1986
12.	FCA 1980	Forest (Conservation) Act, 1980
13.	F.C.R. 1981	Forest (Conservation) Rules, 1981
14.	EIA	Environmental Impact Assessment
15.	EIAS	Environmental Impact Assessment Statement
16.	EMP	Environmental Management Plan
17.	BIS	Bureau of Indian Standards
18.	MEMCW	Mines Environment & Mineral Conservation Week
19.	NEERI	National Environmental Engineering Research Institute, Nagpur
20.	FIMI	Federation of Indian Mineral Industries
21.	EAC(M)	Environmental Appraisal Committee (Mining)
22.	IAA	Impact Assessment Agency
23.	DGMS	Directorate General of Mines Safety, Dhanbad
24.	DOE	Department of Environment, (Ministry of Environment & Forest)