

MINERAL FACTS AND PROBLEMS : No. 15

Monograph on

BARYTES

INDIAN BUREAU OF MINES
Ministry of Mines
NAGPUR

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Formulation and general guidance

S.K. CHOUDHURI
Controller General (Retd.)

O.P. SACHDEVA
Controller General

A.N. BOSE
Controller of Mines

K.S. RAJU
Chief Ore Dressing Officer

Script Review and Finalisation

J. DAS Regional Controller of Mines (Retd.)	ASHOK KUMAR Regional Controller of Mines (from 3.12.1993)
---	---

Drafting and Compilation

GURACHARI Deputy Controller of Mines (Retd.)	Rm. RAMANATHAN Regional Mining Geologist
ALOKE BASU Deputy Controller of Mines	KHALLILULLAH Junior Mining Geologist
D.K. RAMACHANDRA RAO Asstt. Controller of Mines (Retd.)	K.R. NAGARAJ Asstt. Mining Geologist
	C.S. GUNDEWAR Ore Dressing Officer

Technical Assistance

T.R. PURANKAR	S.Z. HASNAIN
S.V. KUMBHARE	V.N. KOLHE

Senior Technical Assistants

Editing

R. NAMASIVAYAM Senior Editor	M.M. SAWANG Editor
---------------------------------	-----------------------

Script Typing

Mrs. K. REMA NAIR Stenographer Gr.I	S.G. ILPATE Stenographer Gr.II
--	-----------------------------------

Preface

The Monograph on Barytes is the fifteenth in the series, "Mineral Facts and Problems" brought out by this Department.

02. It is a matter of pride that India is endowed with the World's largest single barytes deposit at Mangampeta in Andhra Pradesh having as high as 61 million tonnes of recoverable reserves. Also India ranks second in the world, in barytes production.

03. Barytes is very important and vital to the petroleum industry. The industry consumes more than 80% of the World's barytes production as a weighting material in oil well drilling muds. In India, oil well drilling industry and chemical industry account for about 80 percent and 15 percent of the total consumption respectively.

04. India is in a very comfortable position with regard to reserves of barytes not only to meet the domestic requirement but also to cater to export needs in 1992-93 and 1993-94. India exported 38,130 tonnes and 50,335 tonnes of barytes valued at Rs. 3.38 crores and 4.83 crores respectively. The export prospects depend on the level of drilling activities in oil and gas industries in important petroleum producing countries. In view of the anticipated expansion in oil and gas well drilling activities almost all over the world, the demand for barytes is expected to grow in the coming years and India can look at assured export market.

05. The monograph provides comprehensive information on barytes. It covers geology, prospecting and exploration, Indian and World deposits and reserves, mining, beneficiation, uses, specifications and consumption, trade, outlook and prospects as well as a world review.

06. It is hoped that the monograph would serve as a useful reference book to barytes producers, exporters, consumers, industrialists, research students of geology and mining and also to the Government Departments dealing with mines and minerals.

Nagpur

Dated : August, 1995

ओ. पी. सचदेवा
(O. P. SACHDEVA)

CONTROLLER GENERAL
INDIAN BUREAU OF MINES

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Contents

	Page No.
1. INTRODUCTION	1
2. GEOLOGY, GENESIS, MODE OF OCCURRENCE AND CLASSIFICATION	2
2.1 General Geology ...2	
2.2 Genesis ...2	
2.3 Mode of Occurrence ...6	
2.4 Classification ...7	
3. PROSPECTING AND EXPLORATION	10
3.1 General ...10	
3.2 Different Methods of Prospecting and Exploration ...10	
3.3 Case Histories ...12	
4. INDIAN DEPOSITS AND RESERVES	20
4.1 Indian Deposits ...20	
4.2 Indian Reserves ...32	
5. WORLD DEPOSITS AND RESERVES	57
5.1 World Deposit ...57	
5.2 World Reserves of Barytes ...59	
6. MINING & PRODUCTION IN INDIA	62
6.1 Leases and Mines ...62	
6.2 Production ...62	
6.3 Mining Methods ...62	
7. WORLD REVIEW	67
7.1 Countrywise Review ...67	
7.2 World Trade ...70	

8.	USES, SPECIFICATIONS, CONSUMPTION AND TRADE	74
	8.1 Uses ...74	
	8.2 Specifications ...78	
	8.3 Consumption ...94	
	8.4 Trade ...99	
9.	BENEFICIATION	103
	9.1 General Methods ...103	
	9.2 Beneficiation in the World ...103	
	9.3 Beneficiation in India ...106	
	9.4 Need and Scope for Beneficiation of Low Grade Barytes ... 107	
10.	OUTLOOK, PROSPECTS AND PROBLEMS	114
	10.1 Outlook ...114	
	10.2 Prospects ...115	
	10.3 Problems ...118	

LIST OF TABLES

- TABLE 4.1 : All India Categorywise Gradewise Reserves and Resources of Barytes in India
- TABLE 4.2 : Statewise, Total Categorywise, Reserves and Resources of Barytes in India
- TABLE 4.3 : Statewise, Categorywise Reserves and Resources in Leasehold and Freehold Areas of Barytes in India
- TABLE 4.4 : Statewise, Districtwise, Categorywise Recoverable Reserves and Resources in Leasehold and Freehold Areas of Barytes in India
- TABLE 6.1 : Statewise Production of Barytes 1989-90 to 1993-94
- TABLE 6.2 : Statewise Distribution of Mining Leases of Barytes
- TABLE 6.3 : Production of Barytes by Frequency Groups
- TABLE 7.1 : World Production of Barytes 1991 and 1992
- TABLE 7.2 : Exports of Barytes, Countrywise, 1989 & 1990
- TABLE 7.3 : Imports of Barytes, Countrywise 1989 & 1990
- TABLE 8.1 : Unitwise Specifications of Barytes in Chemical Industry
- TABLE 8.2 : Requirements for Barium Sulphate Pigments for Paints
- TABLE 8.3 : Unitwise Specifications of Barytes in Paint Industry
- TABLE 8.4 : Unitwise Specifications of Barytes in Rubber Industry
- TABLE 8.5 : Unitwise Specifications of Barytes in Asbestos Product Industry
- TABLE 8.6 : Unitwise Specifications of Barytes in Glass Industry
- TABLE 8.7 : Consumption of Barytes from 1989-90 to 1992-93 (by Industries)
- TABLE 8.8 : Unitwise Consumption of Barytes in Chemical Industry
- TABLE 8.9 : Unitwise Consumption of Barytes in Paint Industries
- TABLE 8.10 : Unitwise Consumption of Barytes in Glass Industries
- TABLE 8.11 : Export of Barytes from the Year 1988-89 to 1993-94
- TABLE 10.1 : Domestic Demand Future Projection
- TABLE 10.2 : Export of Barytes
- TABLE 10.3 : Distance from Loading Stations to Ports
- TABLE 10.4 : Forecast Range and Probable Demand of the USA and World : 2000

LIST OF ABBREVIATIONS

AP	-	Andhra Pradesh
API	-	American Petroleum Institute
APMDC	-	Andhra Pradesh Mineral Development Corporation
ASTM	-	American Society for Testing Materials
cm	-	Centimetre
cu m	-	Cubic metre
dia	-	diameter
DTH	-	down the hole
g	-	Gram
GSI	-	Geological Survey of India
ha	-	hectare
IBM	-	Indian Bureau of Mines
IMYB	-	Indian Minerals Yearbook
ISI	-	Indian Standard Institution
kg	-	kilogram
km	-	kilometre
LOI	-	Loss on Ignition
m	-	metre
max	-	maximum
MECL	-	Mineral Exploration Corporation Limited
mg	-	milligram
min	-	minimum
MMTC	-	Minerals and Metals Trading Corporation
NMI	-	National Mineral Inventory
OCMA	-	Oil Company Material Association
OIL	-	Oil India Limited
ONGC	-	Oil and Natural Gas Corporation
OPEC	-	Oil Producing and Exporting Countries
pp	-	page
ppm	-	parts per million
rom	-	run of mine
sp gr	-	specific gravity
sq km	-	square kilometre
sq m	-	square metre
tpa	-	tonnes per annum
USBM	-	United States Bureau of Mines
USGS	-	United States Geological Survey
XRF	-	X-Ray Fluorescence