

# **REPORT OF THE INDIAN COALFIELDS' COMMITTEE**

# 1946

**VOLUME I** 

# TABLE OF CONTENTS

#### A.—THE REPORT

## CHAPTER I

#### INTRODUCTION

Para.				0200						Page
1	Composition Of The C	lomm	ittee	And	Terms	of R	eferen	Ce	•	1
2	Comments On The Te	erms (	<b>)f R</b> e	feren	ce	•	•	•	•	2
5	Our Approach To The	e Enq	uiry						•	3
7	Plan Of The Report						•			4
10	<b>A</b> cknowledgements									<b>5</b> ·

# PART I

# Chapter II

# INDIA'S COAL RESOURCES

1	The Occurrence Of Coal		•		6
5	Geological Survey Of India Estimates Of Reserves				7
13	Our Estimate Of Reserves	•	•		14
15	Reserves Of Different Classes Of Coal			• •	15
	Conclusions And Recommendations			•	18

# Chapter III

#### COAL RAISINGS AND CONSUMPTION

1	Early History Of Coal Mining In India	•	•	•	•	•	19
5	Coal Production From 1920 To 1945						20
11	Sizes Of The Units Of Production	•	•	•			23
12	Coal Consumption Trends				•		23
	<b>Conclusions And Recommendations</b>		•	•		•	24

## Chapter IV

#### ESTIMATE OF FUTURE REQUIREMENTS

1	Coal Consumption: 1943 To 1946	• '	•	•		•	25
11	Estimate Of Future Requirements		•	•			35
16	<b>Factors Influencing Coal Consumption</b>	•		•	•	•	42
17	Replacement Of Coal By Other Fuels		•	•		•	42
24	Domestic Coal Consumption .	•	•				45
	<b>Conclusions And Recommendations</b>	•	•		•	•	48
	Chapter	V				,	
	COAL EXPORT	POL	ICY				
2	Bunker Requirements			• .			49
3	Review Of The Export Trade	•		•	•	•	49
6	Effects Of The Coal Grading Board Act	•		•	•	•	50
10	Future Policy In Regard To Exports					•	52
15	<b>Concessions Attaching To Export Coal</b>		•	•		•	54
17	Coastwise Coal		•	•	•	•	54
	<b>Conclusions And Recommendations</b>	•			•		5 <b>6</b>

.

## CHAPTER VI

## COAL AS A SOURCE OF ELECTRIC POWER

Para.							Page
1	General	•		•		•	57
2	History Of Electricity Development In 7	The	Coalfi	elds		•	57
5	Present Position Of Electricity Supply	•					58
6	Present Requirements Of Electricity In	The	e Coalf	ields			59
8	Policy And Proposals Regarding Furthe	r E	lectric	ity De	velop	ment	60
15	Electrification Of The Railways	•		•	•	• .	65
	<b>Conclusions And Recommendations</b>			•	•		67

# Chapter VII

#### CONSERVATION

1	The General Case For Conservation		•	•	•	69
3	Conservation Of Good Coking Coal	•				70
18	Conservation Of Other Coals					81
19	Avoidance Of Waste In Mining		•	•	•	82
21	Present Mining Regulations					83
22	Stowing		•			83
40	Rotation Of Working .				•	94
41	Coal Under Railways And Roads .	•				94
43	Effect Of Proposals On Coal Requirements Conclusions And Recommendations	•	•	•	•	97 97
	Conclusions And Recommendations	•	•	•	•	01

.

## Chapter VIII

## THE PLANNED UTILISATION OF COAL

1	The General Case For Planning			•		99
3	The Need For A Physical And Chemical Ar	alysi	s Of	Our C	loal	
	Resources	•	•	•	•	100
- 4	Study Of Fuel Requirements Of Consumers	•	•	•		100
5	Control Over Despatches	•				101
6	Factors Influencing Regulation Of Use .	•		•	· •	101
7	Railway Coal Requirements .	r	•	• ·		101
9	<b>Coal Requirements Of Other Consumers</b>					105
10	Proposals For Regulation Of Use	•			•	105
11	The Bearing Of Transport On The Regulation	1 Of 1	Use	•	•	106
12	The Price Of Coal And The Regulation Of Us	e				106
18	Enforcement Of The Regulation Of Use	•			•	106
	Conclusions And Recommendations	•				107

# Chapter IX

ESTIMATED FUTURE REQUIREMENTSTHE SUMMING UP	108
Conclusions And Recommendations	110

# PART II

## Chapter X

#### PLANNING FOR PRODUCTION

Para.									Page
1	The Case For Planning							•	111
5	<b>Programme For Production</b>				•	•	-		112
	Conclusions And Recommen	ıdatio	ns	•	•		•	•	115

## Chapter XI

## THE STRUCTURE OF THE INDUSTRY

1	Structural Forms In The Coal Industry				•	•	116
8	Captive Collieries		· •	•	•		116
4	Managing Agents	•				•	116
9	Privately Owned Collieries				•		12 <b>0</b>
	<b>Conclusions And Recommendations</b>		•	•	•	•	121

### CHAPTER XII

### MINING LEASES .

2	Position In The Non-Permanently Settled Areas Of British	
	India	2
6	The Position In Indian States	4
7	The Position In The Permanently Settled Areas Of Bengal and Bihar	24
9	The Question Of Salami ,	:6
10	Royalty Rates In The Permanently Settled Areas	7
12	Instroke And Outstroke Rights	28
15	Disabilities Of Zamindars	30
16	General Policy In Regard To Mining Leases	31
	Conclusions and Recommendations	32

## CHAPTER XIII.

## FRAGMENTATION AND IRREGULAR BOUNDARIES

1	Recent Growth In The Number Of Mines In Bengal and Bihar	133
3	Previous Consideration Given To Fragementation	134
4	Our Consideration Of The Question	135
10	Proposals For Dealing With Fragmentation As It Now Exists	139
	Conclusions And Recommendations	141

#### CHAPTER XIV.

#### OWNERSHIP OF THE MINERAL

1	Disadvantages Of The Private Owner	ship (	Of Mir	ieral l	Rights		142
7	Past Consideration Of The Question	•			•		144
10	The Basis Of Compensation		•			•	148
13	Procedure for Acquisition .						151
	<b>Conclusions And Recommendations</b>	•	•			•	152

# CHAPTER XV.

# LABOUR, MECHANISATION AND THE CONTRACTOR SYSTEM

Para.				•					Page
2	Labour	• •							. 153
12	Mechanisation .		•			•		•	. 159
14	The Contractor System		• ·				•		. 160
	Conclusions And Recor	nmendations		•	•	•	•		162
		CHAPTER X	VI	•					
	CAI	TIVE COLLIE	ERIES						
1	The Emergence Of Cap	tive Collieries							163
4	Railway Collieries .	• •	• `						163
9	Iron And Steel Compan	ies' Collieries	•						167
	<b>Conclusions And Recon</b>	nmendations	• ·	•		•			168
		CHAPTER	r XVI	I					
	FINANCE	, PRICES, WA	GES ÅI	ND PI	ROFITS				•
1	Present Position And F	ature Require	ments	Reg	arding	Finar	ıce		169
6	Prices And Wages	••••	•		•		•		170
	<b>Conclusions And Recom</b>	mendations	•	•	•	•	•		175
	· ·	CHAPTI	ER XV	7111					
	THE DEVELOPMENT	OF NEW FIE	LDS	•		•	•		. 178
	Conclusions And Recom	mendations	•			•		•	178
		CHAPTER	XIX						
	STATE OWNERSHIP	AND MANAG	EMEN	T OF	THE I	NDUS	RY		• 179
-	Conclusions And Recom		•	*	•	•	•		182
		CHAPTER	xx						
	PLANNING FOR PR	ODUCTION : T	HE SU	MMI	NG UP			•	. 183
		PART II	Ľ.						
*	· ·	CHAPTER	XX I	•	•				
	DISTRIBUTION, MARKE	TING AND TR	ANSPO	RT II	RETR	OSPEI	!T		
2	Pre-war Marketing .			•					188
2 3	Pre-war Distribution		_	•	•	•	•	•	186
4	Pre-war Transport	•••	•	•	•	•	•	•	186
1	War Time Developments	• •			•	•	:	•	188
•	Conclusions and Recomm					•	•		190
			TT .			•			
		HAPTER XX							
	THE P	LANNING OF 7	RANS	POR	Г				

1	Introduction	•	•	•	•	•	•	•	191
4 ;	<b>Proposals For Production</b>		•		•	•	•	•	191

6

Para.	-					Page
30	Transport Requirements		••	•		197
42	Zonal Distribution		•		•	202
43	Siding Arrangements	• .	• .	•	•	202
44	The 10-Hour System	•	•		•	203
45	Mechanical Loading Plants And Open Wagons				•	203
46	Over-loading And Under-loading			•		204
47	Weigh Bridges	•		•	•	204
49	Sea Transport	•	•	•	•	205
•	Conclusions And Recommendations		•	• .	. •	205
	CHAPTER XXIII					
	RAILWAY FREIGHT RATES					
2	Reasonableness Of Present Freight Rates On Coa	1				207
5	Group Rates					208
6	Pooled Rates	•		•	•	209
7	Need For Different Rates For Different Classes O	f Coa	1			209
9	Telescopic Rates				•	210
10	Coal In Train Loads					210
11	Seasonal Rates		•			211
12	Freight Payment System			•	•	211
14	Section 42 Of The Railways Act .	•	•		•	211
	Conclusions And Recommendations	•	•	•		211
	. CHAPTER XXIV					
	THE CONTROL OF DISTRIBUTION AND MA	RKE]	CING			
2	Need For Continuance Of Control Over Distribut	ion				212
4	Statistics Necessary For Efficient Distribution C	ontro	L 🕻		•	212
5	Change Over From Complete To Modified Contro	ol Ove	er Dis	tribu-	•	
	tion	•	•	•	•	213
8	Central Marketing Agency .	•	•	•	•	214
9	Middlemen	•	•	•	•	214
11	Prices And Possible Over-Production of Coal	•	•	•	•	215
	Conclusions And Recommendations	•	•	•		216
	CHAPTER XXV.	•				
	THE COMPOSITE PLAN .	•		•	•	217
	PART IV					
	þø»					
	CHAPTER XXVI. RESEARCH					
1	Research In Relation To Coal	•		•	•	220
3	Requirements Of The Indian Situation	•		•	•	221
7	The Proposed Fuel Research Institute	•	•	•	•	223

.

•

.

.

•

•

The Need For A Cess.

**Conclusions And Recommendations** 

.

10

225

226

•

# CHAPTER XXVII

## THE CARBONISATION OF COAL

Para								Page
1	General Considerations	•	•	: ·	•		•	227
2	The Various Forms Of Carbonisation		•		•			227
4	High Temperature Carbonisation			•	•	•	•	228
9	Low Temperature Carbonisation	• •	•				•	230
	<b>Conclusions And Recommendations</b>						•	232

## CHAPTER XXVIII.

#### CESSES AND TAXES

1	· Central And Provincial Cesses Levied	•	•		. 2	33
2	Reasonableness Of The Central Cesses .	•		•	. 2	34
5	Examination Of The Basis Of Provincial Cesse	s.		•	. 2	35
8	Unification Of Cesses				. 2	36
9	Central Taxation		•	•	. 2	37
	Conclusions And Recommendations			•	. 2	40

#### CHAPTER XXIX.

## MISCELLANEOUS MATTERS

1	Technical Trai	ning	•	•	•	•	•	•	•	•	241
8	Acquistiton Of	Sur	face ]	Rights .	For (	lolliery	Pur	poses	•		242
11	<b>Coal Statistics</b>				•	•		•	•		244
13	Briquetting		•		•			•		•	246
	Conclusions A	nd R	ecom	mendal	tions	• '	•				247

# CHAPTER XXX

#### ADMINISTRATIVE PROPOSALS

1	The Constitutional Position .	•				•	248
2	The Need For Central Control		•	•			248
5	Administrative Requirements						251
	<b>Conclusions And Recommendations</b>				•	•	261

#### CHAPTER XXXI

.

#### CONCLUSIONS AND RECOMMENDATIONS

263

#### 6