
THE BLENDING OF COALS FOR COKING

Report from
THE COAL BLENDING & COKING RESEARCH
SUB-COMMITTEE



JEL RESEARCH COMMITTEE
BOARD OF SCIENTIFIC & INDUSTRIAL RESEARCH
REPORT No. 2

1948

COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH

THE BLENDING OF COALS FOR COKING

Report from

**THE COAL BLENDING & COKING RESEARCH
SUB-COMMITTEE**



**FUEL RESEARCH COMMITTEE
BOARD OF SCIENTIFIC & INDUSTRIAL RESEARCH**

REPORT No. 2

1948

COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH

CONTENTS

	Page
FUEL RESEARCH COMMITTEE (1947)	v
COAL BLENDING & COKING RESEARCH COMMITTEE (1947)	v
STAFF	vi
INTRODUCTION	vii
 CHAPTER I	
<i>Testing of Coal & Coke</i>	
1. General Procedure	1
2. Laboratory Tests	2
3. Pilot or Semi-large-scale Tests	9
4. Large-scale Tests	13
5. Specification for Indian Metallurgical Coal & Coke	14
6. Grading of Indian Coals	14
7. Coking Properties of Coals	15
 CHAPTER II	
<i>Summary of Experimental Results</i>	
1. Jharia Coals — Swelling Tests	22
2. Jharia Coalfield — Seams below Seam 10	22
3. Coals from the Raniganj Coalfield	23
4. Coals from the Central Provinces, Korea & Rewa States	24
5. Coals from South Karanpura	24
6. Coals from Hyderabad (Deccan)	24
7. Coals from Madras	24
8. Coals from Assam	24
9. Coals from Australia	25
10. Special Tests	25
 CHAPTER III	
<i>Discussions & Conclusions</i>	
1. Caking Index	26
2. Moisture Content	26
3. Swelling Properties	26
4. Blending Results	27
5. Jharia Coalfield — Seams below Seam 10	27
6. Raniganj Coals	27
7. Central Provinces Coals	27
8. Assam Coals	28
9. Use of Coke-breeze in Blends	28
 APPENDIX	
Tables of Results of Laboratory & Plant Tests	35

COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH

FUEL RESEARCH COMMITTEE (1947)

A. FARQUHAR, ESQ.	..	..	Chairman
DR. C. FORRESTER	..	..	Member
DR. W. D. WEST	..	..	"
DR. D. N. WADIA	..	..	"
DEWAN BAHADUR D. D. THACKER	..	..	"
R. F. ORME, ESQ.	..	..	"
SIR J. C. GHOSE	..	..	"
K. B. SEN, ESQ.	..	..	"
PROF. N. N. CHATTERJEE	..	..	"
N. BARRACLOUGH, ESQ.	..	..	"
SIR S. S. BHATNAGAR	..	..	Ex-Officio
DR. J. W. WHITAKER	..	..	"
DR. A. LAHIRI	..	..	Secretary

COAL BLENDING & COKING RESEARCH SUB-COMMITTEE (1947)

E. T. WARREN, ESQ.	..	..	Chairman
A. C. BOSE, ESQ.	..	..	Member
N. SEN, ESQ.	..	..	"
S. ROY, ESQ.	..	..	Ex-Officio
S. N. SIRCAR, ESQ.	..	..	"
B. KRISHNAMURTY, ESQ.	..	..	"
N. N. DAS GUPTA, ESQ.	..	..	Ag. Secretary

The following have also served on the Coal Blending & Coking Research Sub-Committee at different times :

A. FARQUHAR, ESQ.	..	..	Chairman
M. P. KANGA, ESQ.	..	..	Secretary
K. V. RAMCHANDRAM, ESQ.	..	..	"
H. M. GHOSH, ESQ.	..	..	Ex-Officio Member
H. F. DAMKEWALLA, ESQ.	..	..	"
N. R. ANANTIER, ESQ.	..	..	"

S T A F F

N. N. DAS GUPTA	..	..	Fuel Technologist
N. G. BANERJEE	..	..	Chemist
R. N. MITRA	..	..	Jr. Chemical Asstt., Laboratory
N. N. CHATTERJEE	..	..	"
S. P. GHATAK	..	..	Shift Foreman
M. M. SANYAL	..	..	"
J. V. CHALAM	..	..	"
S. K. BOSE	..	..	"

} Testing Plant

The following have also served on the staff at different times :

B. KUBANEK	..	..	Fuel Technologist
M. C. MITRA	..	..	Chemist
M. K. HALDER	..	..	"
B. C. CHATTERJEE	..	..	Shift Foreman
J. DEY	..	..	"
A. K. MOITRA	..	..	"