



From the
OXFORD UNIVERSITY PRESS
& CONSTABLE AND Co.,
Post Box 31,
BOMBAY

21-8-24

Dear Sir,

I have much pleasure in forwarding a copy of Harris
Irrigation in India
price Rs. 2/- for review and trust that it will
receive an early notice. I shall be glad if you will
forward me two copies of the issue in which the review
appears.

Yours faithfully,

P. C. C. C.

Manager in India

To

The Editor

Servant of India
Bombay City

IRRIGATION IN INDIA

INDIA OF TO-DAY

*A series of booklets dealing with problems
of general interest.*

Published under the general editorship
of

Professor L. F. Rushbrook Williams, O. B. E.

All Souls College, Oxford.

INDIA OF TO-DAY

VOLUME II

IRRIGATION IN INDIA

BY

D. G. HARRIS

LONDON
HUMPHREY MILFORD
OXFORD UNIVERSITY PRESS
BOMBAY CALCUTTA MADRAS
1923

*Printed by G. Claridge & Co., Ltd.,
Caxton Press, Freere Road, Bombay.*

P R E F A C E

THE author desires to express his acknowledgments to the Government of India for permission to reproduce in this volume portions of the matter compiled by him, as Assistant Inspector-General of Irrigation, for the official Triennial Review of Irrigation in India, 1918-1921.

Throughout the volume, rupees have been converted into sterling at the rate of £1 = 10 rupees.

TABLE OF CONTENTS

PREFACE.

PART I—GENERAL INFORMATION

CHAPTER I

	PAGE
The Necessity for Irrigation	1

CHAPTER II

The Classification of Government Irrigation Works	5
---	---

CHAPTER III

The Extent and Growth of Irrigation	8
---	---

CHAPTER IV

Irrigation Administration	11
-----------------------------------	----

PART II—A BRIEF HISTORY OF STATE IRRIGATION IN INDIA

CHAPTER I

Early Improvements of Indigenous Works	14
--	----

CHAPTER II

The Great Classic Irrigation Works	21
--	----

CHAPTER III.

Other Works of the Fifties and Sixties	28
--	----

CHAPTER IV.

Madras and East India Irrigation Companies' Canals	32
--	----

CHAPTER V

The First Loan Works	38
------------------------------	----

CHAPTER VI

The Early Punjab Colony Canals	48
--	----

CHAPTER VII

The Early Protective Works	59
------------------------------------	----

CHAPTER VIII

Other Works of the Nineteenth Century	63
---	----

CHAPTER IX

Productive Works of the Present Century	70
---	----

CHAPTER X

Protective Works of the Present Century	81
---	----

CHAPTER XI

Works Under Construction	85
----------------------------------	----

CHAPTER XII

Projects	95
------------------	----

CHAPTER XIII

Conclusion	99
--------------------	----

INDEX.

	A	
		PAGE
Agra Canal		38, 42
	B	
Betwa Canal		59, 60-62
Bhakra Dam Project		97
	C	
Cauvery Delta System		15, 17-20
Cauvery Reservoir Project		97
	D	
Damodar Canal		96
Desert Canal		47
Dhasan Canal		83
Divi Island Project		79-80
Down Canals		21
	E	
Eastern Jumna Canal		14-15
	F	
Fuleli Canal		29
	G	
Ganges Canal (<i>see</i> Upper Ganges Canal).		
Ghagar Canal		84
Ghar Canal		29
Girna Left Bank Canal		82
Godavari Canals		82-83
Godavari Delta System		20, 21, 25-27
Gokak Canal		62
Gokak Canal Extension Project		97-98
	H	
Hasdeo River Project		98
Haveli Project		97
	J	
Jamrao Canal		68-69
	K	
Ken Canal		83
Kharung Tank		94
Kistna Delta System		29-31
Kistna Reservoir Project		97
Kurnool Cuddapah Canal		33-34
	L	
Lower Bari Doab Canal (<i>see</i> Triple Canals Project).		
Lower Chenab Canal		52-57
Lower Ganges Canal		24, 38, 40-42
Lower Jhelum Canal		75-76
Lower Sarda Canal Project		98
Lower Sohag and Para Canals		52
Lower Swat Canal		38, 42-45

