

Public Works Department Bombay Presidency

# Administration Report for the Year 1923-24

Part II

Irrigation Works

Accounts and Statistical Statements

[Price-Rs. 5 As. 9 or 9s. 3d.]

BOMBAY ' C DVERNMENT CENTRAL PRESS 1925

Obtainable from the Superintendent of Government Printing and Stationery, Bombay, Poona; from the High Commissioner for India, 42 Grosvenor Gaugary, S.W. 1, Jondon; or through any recognized Bookerly r



#### Public Works Department Bombay Presidency

# Administration Report for the Year 1923-24

## Part II

Irrigation Works

### Accounts and Statistical Statements

BOMBAY PRINTED AT THE GOVERNMENT CENTRAL PRESS 1925

### CONTENTS

Narrative Portion.			PAGES
I. General			
A. Details of Direct Expenditure	••	••	i,
B. Figures for Works for which Capital Accounts are kept	••	• •	11
C. Figures for Works for which no Capital Accounts are kept	••	••	111V
D. Review of Irrigation	••	••	vvi
II. Sind—			
1.—Nature of inundation and rainfall	•• `	••	vi
(i) Works for which Capital Accounts are kept			vi—x
(ii) Works for which Capital Accounts are not kept	••	••	x—xii
3.—Indus Left Bank Division—	••	• • • .	A 414
(i) Works for which Capital Accounts are kept			xii—xvii
(ii) Works for which Capital Accounts are not kept	• •	•••	xvii
4.—Protective Embankments	••	••	xvii—xviii
	• •	• • •	xix-xxi
6.—Lloyd Barrage and Canals Construction	••	••	xxi—xxviii
North-Western and Western Circles	••	••	••• •
Dahai Canal Cirala	••	••	XXIII—XXIV
		••	XXIV
	• •	••	XXIV—XXV
Lloyd Barrage Circle 7.—Miscellaneous	••	• •	XXV—XXVIII
7.—Wiscellaneous		• •	XXVIII—XXIX
III. Deccan and Gujarat- INorthern Division General remarks	,		xxix
(i) Works for which Capital Accounts are kept			xxix—xxxi
(ii) Works for which Capital Accounts are not kept	•••	••	xxxi-xxxiii
2.—Central Division—	••		•••
(i) Works for which Capital Accounts are kept	••	••	xxxiii—xxxiy
(ii) Works for which Capital Accounts are not kept 3.—Deccan Irrigation Division—	••	• •	XXXIV
General remarks	, ••	••	XXXIV-XXXV
(i) Works for which Capital Accounts are kept—			
Works in operation	••	• • •	XXXV-XXXVIII
Works under construction	••	• •	xxxviii—xl
(ii) Works for which Capital Accounts are not kept	••	• •	. xi
4 — Southern Division—		•	· · · ·
(i) Works for which Capital Accounts are kept	••	• •	xl—xli
(ii) Works for which Capital Accounts are not kept 5.—Scientific Works—	••	••	xli
(a) Engineering questions that have arisen	••	••	xli
(b) Special Irrigation District	••		xlii—xliv
(c) River gauging	••	••	xliv
Administrative Accounts.			-
•	-		
Administrative Accounts, Public Works Department (Irrig Bombay Presidency and Sind	ation), fo	r the	1-404
Statistical Statements for Irrigation Works, De	ccan and (	Gujarat.	•

Statement I-A-							406-411
Statement II-A- and cost of a Statement I-B-	reservoir pr	ojects	••	••	•••	••	412415 416431
Statement I-C, s							
31st March	1924. Rea	lizations un	der main h	eads of rev	enue and w	orking	
expenses	••	••	••	••	••	••	432437
н 1075—а	~						
		-			٩		

,

#### CONTENTS.

Statement II-C, showing general financial results of irrigation works for, and to	
end of, 1923-24	438-441
Statement III-C, demands and realizations during the year 1923-24	442-447
Statement IV-C, showing the financial results of irrigation works for 1923-24 based	
on assessments	448453
Statement I-E, showing areas irrigated and average discharges and duty of water	, , , , , , , , , , , , , , , , , , , ,
in regard to irrigation works during 1923-24	454-459
Statement II-E, showing incidence of working expenses and assessed revenue on	
irrigation works during 1923-24	460-463
Statement III-E, showing quantity and value of crops irrigated during 1923-24	464-483
Statement IV-E-Comparative statement of irrigation and rainfall for the years	
1922-23 and 1923-24	484-489
Statement F, showing remissions on irrigation works for the year 1923-24	490-491
Statement I-F, showing water-rates per acre in force during 1923-24	492-495
Statement G, showing areas and water-rate assessments during 1923-24 according	
to the system of classification adopted in fixing the scale of water-rates	496-499
Statement H, showing operations of the year 1923-24	500-505
Statistical Statements for Sind.	
Statement I-A-Statement showing size, command, length and cost of canals	508-515
Statement I-B-Capital Account for irrigation works for, and to end of,	
1923-24	516-519
Statement I-C, showing the financial results of irrigation works for the year ending	210 217
31st March 1924. Realizations under main heads of revenue and working	
expenses	520527
Statement II-C, showing general financial results of irrigation works for, and to end	
of, 1923-24	528-531
Statement III-C, showing general financial results of irrigation works for, and to	
end of, 1923-24	532-533
Statement IV-C, showing the financial results of irrigation works for 1923-24	
based on assessments	534537
General Abstract of financial results of irrigation works for, and up to end of,	
1923-24	538560
Statement I-E, showing areas irrigated and discharges and duty of water in regard	. –
to irrigation works during 1923-24	562563
Statement II-E, showing incidence of working expenses and assessed revenue on	
canals during 1923-24	564567
Statement III-E, showing quantity and value of crops irrigated during	
1923-24	568578

••

#### Maps.

- .

••

Map of Deccan and Gujarat Index map of Sind

•

: } At end of volume.

ii

## LIST OF ILLUSTRATIONS

Lloyd dam in pro	ogress	••	•••	Frontispiece.
Jamshoro regulate	or, Fuleli Can	al—Upstream	view .	<b>.</b>
Do	do.	—Another v	iew}	Facing page xvi.
Panoramic view c dara dam—Up				Facing page xxxiv.
Bhandardara dam	-View from	right bank	•••	Facing page xxxviii.
Do.	-View from	downstream	,	Facing page xxxviii.
Lloyd dam in pro and Bhatgar da	ogress—Inters ms	section of the.	Lloyd 	Facing page xl.