

Budget Estimate of Irrigation
Navigation, Embankment and Drainage
Work for Which Capital Accounts are kept
(Revenue and working expenses)
In Bombay Presidency (Sind)
for the year
1923-24

R. T. Harrison

1923

I.—IRRIGATION, NAVIGATION,
EMBANKMENT AND DRAINAGE WORKS
WHICH CAPITAL ACCOUNTS ARE KEPT.

BOMBAY PRESIDENCY
(SIND).

97

FINAL ISSUE.

PUBLIC WORKS DEPARTMENT.

BUDGET ESTIMATE

OF

XIII.—IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE
WORKS FOR WHICH CAPITAL ACCOUNTS ARE KEPT

(REVENUE AND WORKING EXPENSES)

IN

BOMBAY PRESIDENCY

(SIND)

FOR THE YEAR 1923-1924.

PUBLIC WORKS OFFICE,
Bombay, July 1923.

R. T. HARRISON,
Joint Secy. to the Government of Bombay,
Public Works Department.

XIII.—IRRIGATION, NAVIGATION, EMBANK-
 MENT AND DRAINAGE WORKS FOR WHICH
 CAPITAL ACCOUNTS ARE KEPT (REVENUE
 AND WORKING EXPENSES).

BOMBAY PRESIDENCY
 (SIND).

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BOMBAY PRESIDENCY
(SIND).

REVENUE.

BUDGET ESTIMATE OF REVENUE FROM IRRIGATION WORKS FOR WHICH CAPITAL ACCOUNTS ARE KEPT IN SIND FOR THE YEAR FROM 1ST APRIL 1923 TO 31ST MARCH 1924.

Serial No.		Actual Realizations, 1921-1922.	Budget Estimate, 1922-23.	Revised Estimate, 1922-1923.	Budget Estimate, 1923-1924.
		Rs.	Rs.	Rs.	Rs.
	XIII.—Irrigation, Navigation, Embankment and Drainage Works for which Capital Accounts are kept.				
	A—IRRIGATION WORKS.				
	1.—PRODUCTIVE.				
	DIRECT RECEIPTS.				
1	Water rates	1,68,888	1,56,400	1,70,000	1,76,000
2	Owners' rates ... ..	.....	.....	.....	.....
3	Water Supply of towns ... ..	.....	.....	.....	.....
4	Sales of water	4,853	4,000	4,000	4,000
5	Plantations	2,754	2,000	2,000	2,000
6	Other Canal produce	39,276	35,400	40,000	41,000
7	Water power ... ..	.....	.....	.....	.....
8	Navigation	4,592	6,000	5,000	1,000
9	Rents of buildings	284	.....	.....	300
10	Fines	17,923	19,000	19,000	5,000
11	Miscellaneous	22,553	24,000	40,000	25,000
12	Deduct Refunds	-1,509	-800	-1,000	-300
	Total ...	2,59,614	2,46,000	2,79,000	2,54,000
	INDIRECT RECEIPTS.				
13	Portion of land revenue due to works ...	42,98,995	25,30,000	46,10,000	46,86,000
	Total Gross Revenue ...	45,58,609	27,76,000	48,89,000	49,40,000
	<i>Deduct—</i>				
	(i) Working Expenses	24,40,550	19,32,500	20,16,315	18,27,100
	(ii) Collection charges in Civil Department on account of Land Revenue due to Irrigation ...	2,34,518	1,96,000	2,34,000	2,36,000
	Total ...	26,75,068	21,28,500	22,50,315	20,63,100
	Net Revenue (1) Productive	18,83,541	6,47,500	26,38,685	28,76,900
	Carried over ...	18,83,541	6,47,500	26,38,685	28,76,900

XIII.—IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS FOR WHICH CAPITAL ACCOUNTS ARE KEPT.

BOMBAY PRESIDENCY
(SIND).

REVENUE—concluded.

BUDGET ESTIMATE OF REVENUE FROM IRRIGATION WORKS FOR WHICH CAPITAL ACCOUNTS ARE KEPT IN SIND FOR THE YEAR FROM 1ST APRIL 1923 TO 31ST MARCH 1924.

Serial No.	XIII.—Irrigation, Navigation, Embankment and Drainage Works for which Capital Accounts are kept.	Actual Realizations, 1921-1922.	Budget Estimate, 1922-1923.	Revised Estimate, 1922-1923.	Budget Estimate, 1923-1924.
		Rs.	Rs.	Rs.	Rs.
	A—IRRIGATION WORKS.				
	Brought forward ...	18,83,541	6,47,500	26,38,685	28,76,900
	2—UNPRODUCTIVE.				
	DIRECT RECEIPTS.				
1	Water rates	- 427	5,000	1,000	1,000
2	Owners' rates ... ..	.....	.....	.....	.....
3	Water Supply of towns ... ..	.....	.....	.....	.....
4	Sales of Water ... ..	.....	.....	.....	.....
5	Plantations	76	1,000	.....	1,000
6	Other Canal produce	4,524	.....	1,000	1,000
7	Water power ... ..	.....	.....	.....	.....
8	Navigation	39	.....	.....	.....
9	Rents of buildings	117	.....	.....	.....
10	Fines	782	.....	.....	.....
11	Miscellaneous	456	2,000	3,000	2,000
12	Deduct Refunds	5	.....	.....	.....
	Total ...	5,572	8,000	4,000	5,000
	INDIRECT RECEIPTS.				
13	Portion of land revenue due to Works	4,84,844	3,93,000	3,31,000	3,66,000
	Total, Gross Revenue ...	4,90,416	4,01,000	3,35,000	3,71,000
	Deduct—				
	(i) Working Expenses	4,08,436	2,91,500	2,92,685	2,91,900
	(ii) Collection charges in the Civil Department on account of Land Revenue due to Irrigation.	27,496	16,000	28,000	28,000
	Total ...	4,35,932	3,07,500	3,20,685	3,19,900
	Net Revenue (2) Unproductive	54,484	93,500	14,315	51,100
	Grand Total, Net Revenue ...	19,38,025	7,41,000	26,53,000	29,28,000

REFUNDS OF REVENUE.

BUDGET ESTIMATE OF REFUNDS OF REVENUE ON IRRIGATION WORKS
FOR WHICH CAPITAL ACCOUNTS ARE KEPT IN SIND FOR THE YEAR 1923-24
ARRANGED BY PROJECTS AND OBJECTS OF WORK.

Serial No.		Actuals, 1921-22.	Budget Estimate, 1922-23.	Revised Estimate, 1922-23.	Budget Estimate, 1923-24.
	XIII.—Irrigation, Navigation, Embankment and Drainage Works for which Capital Accounts are kept.				
	A.—IRRIGATION WORKS.				
	REFUNDS OF REVENUE.				
	1. PRODUCTIVE.				
	Jamrao Canal—				
1	Northern District, Jamrao Canal ... ..	.....	300	500	300
2	Southern do. ... ..	.....	500	500	.....
	Total ...	.....	800	1,000	300
	Total, 1. Productive ...	.....	800	1,000	300
	2. Unproductive ..	.....	.....	.....	.....
	Grand Total ...	.....	800	1,000	300

XIII.—IRRIGATION, NAVIGATION, EMBANK-
MENT AND DRAINAGE WORKS FOR WHICH
CAPITAL ACCOUNTS ARE KEPT—
WORKING EXPENSES.

BOMBAY PRESIDENCY
(SIND).

CHARGES.

ABSTRACT BUDGET ESTIMATE OF WORKING EXPENSES ON IRRIGATION
WORKS FOR WHICH CAPITAL ACCOUNTS ARE KEPT IN SIND FOR THE
YEAR FROM 1ST APRIL 1923 TO 31ST MARCH 1924.

XIII.—Irrigation, Navigation, Embankment and Drainage Works for which Capital Accounts are kept.	Reference to Detailed Estimate.	Actual Outlay, 1921-1922.	Budget Estimate, 1922-1923.	Revised Estimate, 1922-1923.	Budget Estimate, 1923-1924.
A.—IRRIGATION WORKS	Page.	Rs.	Rs.	Rs.	Rs.
WORKING EXPENSES.					
Reserved.					
PROVINCIAL.					
1. PRODUCTIVE.	7 to 11				
I.—Extensions and Improvements. { In progress ... Not commenced...		2,22,975	95,500	1,00,180	1,51,074
II.—Maintenance and Repairs ...		12,98,529	13,08,000	13,44,455	12,75,750
III.—Establishment ...		8,83,652	4,22,000	4,70,080	3,16,920
IV.—Tools and Plant ...		30,449	58,000	28,800	36,856
V.—Suspense ...		7,458	.....	.....	.....
VI.—Deduct—Recoveries on revenue account		—2,507	.....	.....	.....
VII.—Deduct—English cost of Stores ...		.....	.....	—3,000	.....
VIII.—Loss or gain by exchange ...		.....	23,000	25,000	15,500
IX.—Expenditure in England ...		.....	46,000	51,000	31,000
Total ...		24,40,550	19,32,500	20,16,315	18,27,103
2. UNPRODUCTIVE.	11 to 13				
I.—Extensions and Improvements. { In progress ... Not commenced...		26,925	—2,000	—5,900	126
II.—Maintenance and Repairs ...		2,83,904	2,84,500	2,22,950	2,37,350
III.—Establishment ...		92,449	54,000	71,283	48,680
IV.—Tools and Plant ...		5,566	5,000	4,352	5,744
V.—Suspense Account ...		.....	.....	.....	.....
VI.—Deduct—Recoveries on revenue account		—408	.....	.....	.....
VII.—Deduct—English cost of Stores ...		.....	.....	.....	.....
VIII.—Loss or gain by exchange ...		.....	.....	.....	.....
IX.—Expenditure in England ...		.....	.....	.....	.....
Total ...		4,08,436	2,91,500	2,92,685	2,91,900
GRAND TOTAL	7 to 13				
I.—Extensions and Improvements. { In progress ... Not commenced ...		2,43,900	93,500	94,280	1,51,200
II.—Maintenance and Repairs ...		15,82,427	15,42,500	15,67,405	15,13,100
III.—Establishment ...		9,76,101	4,76,000	5,41,363	3,65,600
IV.—Tools and Plant ...		36,015	48,000	32,952	42,600
V.—Suspense Account ...		7,458	.....	.....	.....
VI.—Deduct—Recoveries on revenue account		—2,915	.....	.....	.....
VII.—Deduct—English cost of Stores ...		.....	.....	—3,000	.....
VIII.—Loss or gain by exchange ...		.....	23,000	25,000	15,500
IX.—Expenditure in England ...		.....	46,000	51,000	31,000
Total ...		28,48,986	22,24,000	23,09,000	21,19,000
Voted ...		27,16,619	21,88,000	22,23,000	19,23,000
Non-voted ...		1,32,367	86,000	86,000	1,95,000

XIII.—IRRIGATION, NAVIGATION, EMBANKMENT
AND DRAINAGE WORKS FOR WHICH CAPITAL
ACCOUNTS ARE KEPT—WORKING EXPENSES.

BOMBAY PRESIDENCY 100
(SIND).

CHARGES—continued.

PART I.

BUDGET ESTIMATE OF WORKING EXPENSES ON IRRIGATION WORKS FOR WHICH
CAPITAL ACCOUNTS ARE KEPT IN SIND FOR THE YEAR 1923-1924 ARRANGED BY
PROJECTS AND OBJECTS OF WORK.

Serial No.	XIII.—Irrigation, Navigation, Embank- ment and Drainage Works for which Capital Accounts are kept.	Amount	Actual	Budget	Probable	Budget	Remarks and References.
		of sanc- tioned Esti- mate.	Outlay to end of 1921- 1922.	Estimate, 1922-1923.	Outlay during 1922-1923 (Revised Estimate).	Estimate, 1923-1924.	
	A—IRRIGATION WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.	
	WORKING EXPENSES.						
	1. PRODUCTIVE.						
	<i>Begari Canals District.</i>						
	Desert Canal—						
1	Extensions and Improve- ments ... ..	...	...	1,300	500	2,360	
2	Maintenance and Repairs ...	...	...	1,25,000	1,26,000	1,25,000	
3	Establishment ... ..	...	...	27,160	22,300	27,380	
4	Tools and Plant ... ..	...	...	2,064	3,100	1,910	
	Total ... ..	...	...	1,55,524	1,52,400	1,56,650	
	Unharwah—						
5	Extensions and Improve- ments ... ..	...	...	300	...	300	
6	Maintenance and Repairs ...	...	...	42,500	48,500	42,500	
7	Establishment ... ..	...	...	9,200	8,800	9,200	
8	Tools and Plant ... ..	...	...	640	1,020	640	
	Total ... ..	...	...	52,640	58,320	52,640	
	Begari Canal—						
9	Extensions and Improve- ments ... ..	...	...	3,600	4,100	3,600	
10	Maintenance and Repairs ...	...	...	3,03,080	2,89,600	3,00,000	
11	Establishment ... ..	...	...	67,010	53,400	68,420	
12	Tools and Plant ... ..	...	...	5,260	7,700	4,550	
	Total... ..	...	...	3,82,950	3,54,800	3,76,570	
	Begari Canal—						
13	Reduction of old Maintenance Charges—						
	Maintenance and Repairs ..	...	...	-5,380	-5,380	-5,380	Vide Government Resolution No. A. I.—598, dated 13th April-1893.
	Net Total, Begari Canal ...	...	...	3,78,570	3,49,420	3,71,190	
	<i>Eastern Nara District.</i>						
	Eastern Nara Works—						
14	Extensions and Improve- ments ... ..	...	...	9,700	7,100	100	
15	Maintenance and Repairs ...	...	...	1,75,000	1,59,500	1,75,000	
16	Establishment ... ..	...	...	39,710	61,900	37,645	
17	Tools and Plant ... ..	...	...	8,310	2,400	5,496	
	Total ... ..	...	...	2,32,720	2,29,900	2,18,241	

XIII.—IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS FOR WHICH CAPITAL ACCOUNTS ARE KEPT—WORKING EXPENSES.

BOMBAY PRESIDENCY (SIND).

CHARGES—continued.

PART I—continued.

BUDGET ESTIMATE OF WORKING EXPENSES ON IRRIGATION WORKS FOR WHICH CAPITAL ACCOUNTS ARE KEPT IN SIND FOR THE YEAR 1923-1924 ARRANGED BY PROJECTS AND OBJECTS OF WORK.

Serial No.	XIII.—Irrigation, Navigation, Embankment and Drainage Works for which Capital Accounts are kept. A.—IRRIGATION WORKS. WORKING EXPENSES—continued. 1. PRODUCTIVE—continued.	Amount of sanctioned Estimate.	Actual Outlay to end of 1921-1922.	Budget Estimate, 1922-1923.	Probable Outlay during 1923-1924 (Revised Estimate).	Budget Estimate, 1923-1924.	Remarks and References.			
		Rs.	Rs.	Rs.	Rs.	Rs.				
	<i>Shikarpur Canals District.</i>									
	Nara Supply Channel—									
18	Extensions and Improvements ... ..	...	...	...	...	...
19	Maintenance and Repairs ... ..	...	...	30,000	29,900	15,000				
20	Establishment ... ..	...	...	42,780	5,400	3,225				
21	Tools and Plant ... ..	...	...	300	730	225				
	Total ... ..	...	...	73,080	36,030	18,450				
	<i>Jamrao Canal Districts and Shikarpur Canals District.</i>									
	Jamrao Canal—									
22	Extensions and Improvements ... ..	...	...	55,560	48,400	23,514	...	20,000	3,514	23,514
23	Maintenance and Repairs ... ..	...	...	2,50,000	2,34,105	2,33,000	25,000	1,10,000	98,000	2,33,000
24	Establishment ... ..	...	...	1,50,426	1,71,300	55,150	5,375	27,960	21,825	55,150
25	Tools and Plant ... ..	...	...	7,415	4,360	7,060	3,490	3,200	370	7,060
	Total ... ..	...	...	4,63,395	4,58,165	8,18,724*	33,865	1,61,160	1,23,709	3,18,724
	<i>Ghar Canals District.</i>									
	Sukkur Canal—									
26	Extensions and Improvements ... ..	...	...	2,250	2,000	1,510				
27	Maintenance and Repairs ... ..	...	...	95,020	87,500	95,000				
28	Establishment ... ..	...	...	20,910	15,300	20,750				
29	Tools and Plant ... ..	...	...	2,265	2,400	1,450				
	Total ... ..	...	...	1,20,445	1,07,200	1,18,710				
	Sukkur Canal—									
	Reduction of old Maintenance Charges—									
30	Extensions and Improvements ... ..	...	...	...	...	...
31	Maintenance and Repairs ... ..	...	...	-4,020	-4,020	-4,020				
32	Establishment ... ..	...	...	-750	-750	-750				
33	Tools and Plant ... ..	...	...	...	...	...
	Total ... ..	...	...	-4,770	-4,770	-4,770				
	Net Total, Sukkur Canal	...	...	1,15,675	1,02,430	1,13,940				
	<i>Ghar Canal—</i>									
34	Extensions and Improvements ... ..	...	...	1,750	21,000	1,510				
35	Maintenance and Repairs ... ..	...	...	1,35,040	1,98,600	1,35,000				
36	Establishment ... ..	...	...	29,730	89,900	29,350				
37	Tools and Plant ... ..	...	...	2,550	3,400	2,050				
	Total ... ..	...	...	1,69,070	2,62,900	1,67,910				

XIII.—IRRIGATION, NAVIGATION, EMBANKMENT
AND DRAINAGE WORKS FOR WHICH CAPITAL
ACCOUNTS ARE KEPT—WORKING EXPENSES.

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(SIND).

CHARGES—continued.

PART I—continued.

BUDGET ESTIMATE OF WORKING EXPENSES ON IRRIGATION WORKS FOR WHICH
CAPITAL ACCOUNTS ARE KEPT IN SIND FOR THE YEAR 1923-1924 ARRANGED BY
PROJECTS AND OBJECTS OF WORK.

Serial No.	XIII.—Irrigation, Navigation, Embankment and Drainage Works for which Capital Accounts are kept.	Amount	Actual	Budget	Probable	Budget	Remarks and References.
		of sanc- tioned Esti- mate.	Outlay to end of 1921- 1922.	Estimate, 1922-1923.	Outlay during 1922-1923 (Revised Estimate).	Estimate, 1923-1924.	
		Rs.	Rs.	Rs.	Rs.	Rs.	
	A.—IRRIGATION WORKS.						
	WORKING EXPENSES —continued.						
	1. PRODUCTIVE—continued.						
	<i>Ghar Canals District— concluded.</i>						
	<i>Ghar Canal—</i>						
	Reduction of old Mainte- nance Charges—						
38	Extensions and Improve- ments ...	...	...	...	...	...
39	Maintenance and Repairs ...	...	...	-4,140	-4,140	-4,140	
40	Establishment ...	...	...	-990	-990	-990	
41	Tools and Plant ...	...	...	...	...	...
	Total ...	...	...	-5,130	-5,130	-5,130	
	Net Total, Ghar Canal ...	...	...	1,63,940	2,57,770	1,62,780	
	<i>Hyderabad Canals District.</i>						
	<i>Alibahar Kacheri Canal—</i>						
42	Extensions and Improve- ments ...	...	...	...	...	...
43	Maintenance and Repairs ...	...	...	7,540	9,500	7,550	
44	Establishment ...	...	...	1,620	3,550	1,645	
45	Tools and Plant ...	...	...	150	100	110	
	Total ...	...	...	9,310	13,150	9,305	
	<i>Alibahar Kacheri Canal—</i>						
	Reduction of old Mainte- nance Charges—						
46	Extensions and Improve- ments ...	...	...	...	...	...
47	Maintenance and Repairs ...	...	...	-5,940	-5,940	-5,940	
48	Establishment ...	...	...	-1,390	-1,390	-1,390	
49	Tools and Plant ...	...	...	...	...	...
	Total ...	...	...	-7,330	-7,330	-7,330	
	Net Total, Alibahar Kacheri Canal ...	...	...	1,980	5,820	1,975	
	<i>Great Marak Canal—</i>						
50	Extensions and Improve- ments ...	...	...	...	1,600	7,000	
51	Maintenance and Repairs ...	...	...	24,090	43,100	24,090	
52	Establishment ...	...	...	5,180	16,750	6,680	
53	Tools and Plant ...	...	...	400	400	470	
	Total ...	...	...	29,670	61,850	38,240	
	<i>Great Marak Canal—</i>						
	Reduction of old Mainte- nance Charges—						
54	Extensions and Improve- ments ...	...	...	...	...	...
55	Maintenance and Repairs ...	...	...	-13,990	-13,990	-13,990	
56	Establishment ...	...	...	-3,050	-3,050	-3,050	
57	Tools and Plant ...	...	...	...	...	...
	Total ...	...	...	-17,040	-17,040	-17,040	
	Net Total, Great Marak Canal.	...	...	12,630	44,810	21,200	

XIII.— IRRIGATION, NAVIGATION, EMBANKMENT
AND DRAINAGE WORKS FOR WHICH CAPITAL
ACCOUNTS ARE KEPT—WORKING EXPENSES.

BOMBAY PRESIDENCY
(SIND).

CHARGES—continued.
PART I—continued.

BUDGET ESTIMATE OF WORKING EXPENSES ON IRRIGATION WORKS FOR WHICH
CAPITAL ACCOUNTS ARE KEPT IN SIND FOR THE YEAR 1923-1924 ARRANGED BY
PROJECTS AND OBJECTS OF WORK.

Serial No.	XIII.—Irrigation, Navigation, Embank- ment and Drainage Works for which Capital Accounts are kept.	Amount	Actual	Budget	Probable	Budget	Remarks and References.
		of sanc- tioned Esti- mate.	Outlay to end of 1921- 1922.	Estimate, 1922-1923.	Outlay during 1922-1923 (Revised Estimate.)	Estimate, 1923-1924.	
	A—IRRIGATION WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.	
	WORKING EXPENSES —continued.						
	(1) PRODUCTIVE—continued.						
	Hyderabad Canals District— concluded.						
	Sarfráz Canal—						
58	Extensions and Improve- ments	...	...	...	...	2,000	
59	Maintenance and Repairs	...	...	16,560	16,600	16,560	
60	Establishment	...	...	3,560	6,800	3,990	
61	Tools and Plant	...	...	285	200	280	
	Total	...	...	20,405	23,100	22,830	
	Sarfráz Canal—						
	Reduction of old Mainte- nance Charges—						
62	Extensions and Improve- ments	...	...	...	...	...
63	Maintenance and Repairs	...	...	-4,560	-4,560	-4,560	
64	Establishment	...	...	-1,210	-1,210	-1,210	
65	Tools and Plant	...	...	...	...	...
	Total	...	...	-5,770	-5,770	-5,770	
	Net Total, Sarfráz Canal	...	...	14,635	17,330	17,060	
	Fuleli Canals District.						
	Fuleli Canal—						
66	Extensions and Improve- ments	...	...	7,500	15,900	...	
67	Maintenance and Repairs	...	...	1,89,840	1,93,700	1,89,800	
68	Establishment	...	...	42,430	78,300	40,810	
69	Tools and Plant	...	...	7,000	2,500	5,990	
	Total	...	...	2,46,770	2,90,400	2,36,600	
	Fuleli Canal—						
	Reduction of old Mainte- nance Charges—						
70	Extensions and Improve- ments	...	...	...	...	...
71	Maintenance and Repairs	...	...	-74,840	-74,840	-74,840	
72	Establishment	...	...	-14,970	-14,970	-14,970	
73	Tools and Plant	...	...	...	...	...
	Total	...	...	-89,810	-89,810	-89,810	
	Net Total, Fuleli Canal	...	...	1,56,960	2,00,590	1,46,790	
	Hasanali Canal—						
74	Extensions and Improve- ments	...	...	...	400	...	
75	Maintenance and Repairs	...	...	19,280	23,300	19,200	
76	Establishment	...	...	4,140	8,900	4,130	
77	Tools and Plant	...	...	400	290	300	
	Total	...	...	23,820	32,890	23,630	

XIII.—IRRIGATION, NAVIGATION, EMBANKMENT
AND DRAINAGE WORKS FOR WHICH CAPITAL
ACCOUNTS ARE KEPT—WORKING EXPENSES.

BOMBAY PRESIDENCY
(SIND).

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CHARGES--continued.

PART I—continued.

BUDGET ESTIMATE OF WORKING EXPENSES ON IRRIGATION WORKS FOR WHICH
CAPITAL ACCOUNTS ARE KEPT IN SIND FOR THE YEAR 1923-1924 ARRANGED BY
PROJECTS AND OBJECTS OF WORK.

Serial No.	XIII.—Irrigation, Navigation, Embankment and Drainage Works for which Capital Accounts are kept.	Amount of sanc- tioned Esti- mate.	Actual Outlay to end of 1921- 1922.	Budget Estimate, 1922-1923.	Probable Outlay during 1922-1923 (Revised Estimate.)	Budget Estimate, 1923-1924.	Remarks and References.
		Rs.	Rs.	Rs.	Rs.	Rs.	
	A—IRRIGATION WORKS. WORKING EXPENSES —continued.						
	(1) PRODUCTIVE—concluded.						
	<i>Fulali Canals District— concluded.</i>						
	<i>Hasanali Canal— Reduction of old Mainte- nance Charges— Extensions and Improve- ments ... ..</i>	...	...	- 820	- 820	- 820	
78							
79	Maintenance and Repairs ... ..	...	...	-1,580	-1,580	-1,580	
80	Establishment ... ..	...	...	-160	-160	-160	
81	Tools and Plant ... ..	...	...	...	...	...
	Total ... ..	...	...	-2,560	-2,560	-2,560	
	Net Total, Hasanali Canal ... ..	...	...	21,260	30,330	21,070	
	<i>Discretionary grant of Superin- tending Engineer, Indus Right Bank Division.</i>						
82	Extensions and Improvements ... ..	...	...	...	...	15,000	
	<i>Reserve with Government for specific works.</i>						
	<i>Improvements to the Nara Supply Channel— Extensions and Improve- ments ... ..</i>	...	...	...	...	75,000	
83							
84	Establishment ... ..	...	...	...	...	16,125	
85	Tools and Plant ... ..	...	...	...	...	1,125	
	Total ... ..	...	...	...	...	92,250	
	<i>Reserve with Government for unforeseen works— Extensions and Improve- ments ... ..</i>	...	...	14,960	...	20,000	
86							
87	Maintenance and Repairs ... ..	...	...	4,500	...	12,500	
88	Establishment ... ..	...	...	670	...	14,940	
89	Tools and Plant ... ..	...	...	961	...	6,200	
	Total ... ..	...	...	20,491	...	52,640	
	<i>Establishment— Expenditure in England (Leave Allowances) ... ..</i>	...	...	46,000	49,000	31,000	
90							
91	Loss or gain by exchange ... ..	...	...	23,000	24,000	15,500	
	Total, (1) Productive ... ..	...	...	19,32,500	20,16,315	18,27,100	
	(2) UNPRODUCTIVE.						
	<i>Shikarpur Canals District. Mahiwah—</i>						
92	Extensions and Improve- ments ... ..	...	...	...	...	1,000	
93	Maintenance and Repairs ... ..	...	...	70,087	67,600	70,007	
94	Establishment ... ..	...	...	17,140	12,100	15,267	
95	Tools and Plant ... ..	...	...	1,339	1,640	1,070	
	Total ... ..	...	...	88,566	81,340	87,344	

XIII.—IRRIGATION, NAVIGATION, EMBANKMENT
AND DRAINAGE WORKS FOR WHICH CAPITAL
ACCOUNTS ARE KEPT—WORKING EXPENSES.

BOMBAY PRESIDENCY
(SIND).

CHARGES—continued.

PART I—continued.

BUDGET ESTIMATE OF WORKING EXPENSES ON IRRIGATION WORKS FOR WHICH
CAPITAL ACCOUNTS ARE KEPT IN SIND FOR THE YEAR 1923-1924 ARRANGED BY
PROJECTS AND OBJECTS OF WORK.

Serial No.	XIII.—Irrigation, Navigation, Embank- ment and Drainage Works for which Capital Accounts are kept.	Amount of sanc- tioned Esti- mate.	Actual Outlay to end of 1921- 1922.	Budget Estimate, 1922-1923.	Probable Outlay during 1922-1923 (Revised Estimate).	Budget Estimate, 1923-1924.	Remarks and References.
		Rs.	Rs.	Rs.	Rs.	Rs.	
	A—IRRIGATION WORKS.						
	• WORKING EXPENSES —continued.						
	(2) UNPRODUCTIVE—continued.						
	<i>Shikarpur Canals District— continued.</i>						
	<i>Mahiwah—</i>						
	Reduction of old Maintenance Charges—						
96	Extensions and Improve- ments ... ..	...	...	- 88	- 88	- 88	<i>Vide Government Resolution No. A.I.—1372, dated 22nd May 1906.</i>
97	Maintenance and Repairs...	...	...	-10,087	-10,087	-10,087	
98	Establishment ... ..	...	...	-1,948	-1,948	-1,948	
99	Tools and Plant ... ..	...	...	- 24	- 24	- 24	
	Total ... ..	...	...	-12,147	-12,147	-12,147	
	Net Total, Mahiwah ...	...	...	76,419	69,193	75,197	
	<i>Nasrat and Hyderabad Canals Districts.</i>						
	<i>Dad Canal (including Ren Dis- tributary)—</i>						
100	Extensions and Improve- ments ... ..	...	...	...	974	1,000	<i>Vide Government of India's letter No. 81-C. W. I., dated 14th Janu- ary 1904.</i>
101	Maintenance and Repairs ...	...	...	1,14,510	1,11,026	1,17,010	
102	Establishment ... ..	...	...	27,620	41,800	25,370	
103	Tools and Plant ... ..	...	...	1,970	1,410	1,800	
	Total ... ..	...	...	1,44,100	1,55,210	1,45,180	
	<i>Nasrat Canals District.</i>						
	<i>Dad Canal—</i>						
	Reduction of old Maintenance Charges—						
104	Extensions and Improve- ments ... ..	...	...	-4,600	-4,600	-4,600	<i>Vide Government of India's letter No. 81-C. W. I., dated 14th Janu- ary 1904.</i>
105	Maintenance and Repairs...	...	...	-23,110	-23,110	-23,110	
106	Establishment ... ..	...	...	-8,130	-8,130	-8,130	
107	Tools and Plant ... ..	...	...	-160	-160	-160	
	Total ... ..	...	...	-36,000	-36,000	-36,000	
	Net Total, Dad Canal ..	...	...	1,08,100	1,19,210	1,09,180	
	<i>Nasrat Canal—</i>						
108	Extensions and Improve- ments ... ..	...	...	...	...	...
109	Maintenance and Repairs ...	...	...	80,009	82,000	80,009	
110	Establishment ... ..	...	...	18,537	30,400	17,200	
111	Tools and Plant ... ..	...	...	1,274	990	1,200	
	Total ... ..	...	...	99,820	1,13,390	98,409	

XIII.—IRRIGATION, NAVIGATION, EMBANKMENT
AND DRAINAGE WORKS FOR WHICH CAPITAL
ACCOUNTS ARE KEPT—WORKING EXPENSES.

BOMBAY PRESIDENCY
(SIND).

CHARGES—continued.

PART I—continued.

BUDGET ESTIMATE OF WORKING EXPENSES ON IRRIGATION WORKS FOR WHICH
CAPITAL ACCOUNTS ARE KEPT IN SIND FOR THE YEAR 1923-1924 ARRANGED BY
PROJECTS AND OBJECTS OF WORK.

Serial No.	XIII.—Irrigation, Navigation, Embank- ment and Drainage Works for which Capital Accounts are kept.	Amount of sanc- tioned Esti- mate.	Actual Outlay to end of 1921- 1922.	Budget Estimate, 1922-1923.	Probable Outlay during 1922-1923 (Revised Estimate).	Budget Estimate, 1923-1924.	Remarks and References.
	A—IRRIGATION WORKS.						
	WORKING EXPENSES —concluded.						
	(2) UNPRODUCTIVE —concluded.						
	<i>Nasrat Canals District— continued.</i>						
	Nasrat Canal—						
	Reduction of old Maintenance Charges—						
112	Extensions and Improve- ments ... ..	...	...	-196	-196	-196	
113	Maintenance and Repairs...	...	...	-10,709	-10,709	-10,709	
114	Establishment ... ..	...	...	-3,239	-3,239	-3,239	
115	Tools and Plant ... ..	...	...	-54	-54	-54	
	Total ... ..	...	...	-14,198	-14,198	-14,198	
	Net Total, Nasrat Canal ...	...	...	85,622	99,192	84,211	
	<i>Karachi Canals District.</i>						
	Suttah Canal—						
	Extensions and Improve- ments ... ..	...	...	...	...	...
117	Maintenance and Repairs ...	...	...	17,570	10,500	17,500	
118	Establishment ... ..	...	...	5,390	1,900	3,760	
119	Tools and Plant ... ..	...	...	315	560	260	
	Total ... ..	...	...	23,275	12,960	21,520	
	Suttah Canal—						
	Reduction of old Mainte- nance charges—						
120	Extensions and Improve- ments ... ..	...	...	-1,990	-1,990	-1,990	
121	Maintenance and Repairs ...	...	...	-4,270	-4,270	-4,270	
122	Establishment ... ..	...	...	-1,600	-1,600	-1,600	
123	Tools and Plant ... ..	...	...	-10	-10	-10	
	Total ... ..	...	...	-7,870	-7,870	-7,870	
	Net Total, Suttah Canal ...	...	...	15,405	5,090	13,650	
	Reserve with Government—						
	Extensions and Improve- ments ... ..	...	...	4,874	...	5,000	
125	Maintenance and Repairs ...	...	...	500	...	1,000	
126	Establishment ... ..	...	...	230	...	2,000	
127	Tools and Plant ... ..	...	...	350	...	1,662	
	Total ... ..	...	...	5,954	...	9,662	
	Total, (2) Unproductive ...	...	...	2,91,500	2,92,685	2,91,900	
	Grand Total, XIII—Irrigation Works for which Capital Ac- counts are kept—Working Expenses ... ..	...	...	22,24,000	23,09,000	21,19,000	

Vide Government Resolution
No. 1701, dated 29th June 1905.

XIII.—IRRIGATION, NAVIGATION, EMBANKMENT
AND DRAINAGE WORKS FOR WHICH CAPITAL
ACCOUNTS ARE KEPT—WORKING EXPENSES.

BOMBAY PRESIDENCY
(SIND).

CHARGES—concluded.

PART I—concluded.

ABSTRACT OF CHARGES TO BE INCURRED FROM PROVINCIAL FUNDS.

	Budget Estimate, 1923-1924.							Revised Esti- mate, 1922- 1923.	Budget Esti- mate, 1922- 1923.	Actual Outlay, 1921- 1922.	
	Works.			Repairs.	Estab- lishment.	Tools and plant.	Sus- pense.				Total.
	In pro- gress.	Not com- menced.	Total.								
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.				Rs.
XIII.—Irrigation, Navigation, Embank- ment and Drainage Works for which Capital Accounts are kept.											
A.—IRRIGATION WORKS.											
WORKING EXPENSES											
In India	1,11,840	39,360	1,51,200	15,13,100	3,81,100	42,600	...	20,88,000	22,58,000	21,78,000	28,48,986
In England ... ..	...	...	...	...	31,000	...	...	31,000	51,000	46,000	...
Total ...	1,11,840	39,360	1,51,200	15,13,100	4,12,100§	42,600	...	21,19,000	23,09,000	22,24,000	28,48,986

§ Includes Rs. 1,96,000 on account of salaries of officers appointed by the Secretary of State.

XIII—IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS FOR WHICH CAPITAL ACCOUNTS ARE KEPT.

BOMBAY PRESIDENCY (SIND).

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A—IRRIGATION WORKS.
WORKING EXPENSES.

PART IV.

DETAILS OF BUDGET ESTIMATE OF ESTABLISHMENT OF THE IRRIGATION DEPARTMENT FOR THE YEAR 1923-24.

Number.		Particulars.	Rate of salary.	1923-24.			Budget Estimate, 1922-23.
1922-23.	1923-24.			Per Mensem.	Per Annum.	Total.	
			Rs.	Rs.	Rs.	Rs.	Rs.
		INDUS RIGHT BANK DIVISION.					
		<i>IV—Executive.</i>					
		<i>(a) Pay of Officers—</i>					
1	1	Executive Engineer 1 (1,025) ..			12,300	..	18,300
1	1	Do. 1 (650) ..			7,800	..	13,800
		Provision for increment ..			250	..	750
		Do. do. ..			550	..	..
2	1	Assistant Executive Engineers 1 (725) ..			3,700	..	19,800
1	..	Assistant Executive Engineer ..			..	..	6,000
2	2	Assistant Engineers 250—20—750 ..			12,240	..	9,360
1	..	Temporary Engineer ..			..	..	6,480
		Provision for increment ..			40	..	650
		Do. do. ..			250	..	..
						42,130	..
							75,140
		<i>(b) Pay of Establishment—</i>					
		<i>Upper Subordinates.</i>					
9	9	Upper Subordinates 100—12—460 ..			19,728	..	18,576
		Provision for increment ..			108	..	108
		Temporary Upper Subordinate ..			3,600	..	2,400
		<i>Lower Subordinates.</i>					
11	10	Sub-Overseers (Permanent) 60—5—150 ..			11,820	..	8,640
		Do. (Temporary) ..			6,900	..	6,960
		<i>Petty Establishment.</i>					
2		Store-keepers 1 (100), 1 (60) ..			1,920	..	1,860
1		Mechanic @ 155 ..			1,860	..	1,296
1		Chaukidar @ 10 ..			120	..	240
		Temporary establishment ..			61,856	..	59,460
2		Accountants (Permanent) 1 (200), 1 (170) ..			4,440	..	4,920
		Provision for revision of pay ..			70	..	480
		<i>Office Establishment—</i>					
14		Clerks 1 (135), 1 (120), 1 (110), 2 (95), 2 (80), 2 (60), 2 (50), 1 (45), 2 (40) ..			12,720	..	6,240
2		Draftsmen 1 (110), 1 (105) ..			2,580	..	1,320
2		Naiks @ 12 each ..			288	..	288
2		Peons @ 10 each ..			240	..	240
		Temporary Establishment ..			14,388	..	15,310
						1,42,638	..
							1,28,338
		<i>(c) Allowances—</i>					
		Sind allowance ..			4,275	..	4,500
9		Sub-divisional allowance ..			8,100	..	7,200
		Temporary and Provisional allowance ..			288	..	3,840
		Baluchistan allowance ..			1,872	..	1,110
		Local allowance ..			..	..	..
		Travelling allowance ..			37,200	..	31,800
						51,735	..
							48,450
		<i>(d) Contingencies—</i>					
		Contingencies ..			25,600	..	24,689
		Rounding ..			..	25,600	..
						-3	24,689
						..	-17
		Total Executive ..				2,62,100	2,76,600
		Total, Indus Right Bank Division ..				2,62,100	2,76,600
		Carried over ..				2,62,100	2,76,600

XIII—IRRIGATION, NAVIGATION, EMBANKMENT, AND DRAINAGE WORKS FOR WHICH CAPITAL ACCOUNTS ARE KEPT.

BOMBAY PRESIDENCY (SIND).

A—IRRIGATION WORKS.
WORKING EXPENSES.

PART IV—continued.

DETAILS OF BUDGET ESTIMATE OF ESTABLISHMENT OF THE IRRIGATION DEPARTMENT FOR THE YEAR 1923-24.

Number.		Particulars.	Rate of salary.	1923-24.			Budget Estimate, 1922-23.
1922-23.	1923-24.			Per Mensem.	Per Annum.	Total.	
		Brought forward ..				2,62,100	2,76,600
		INDUS LEFT BANK DIVISION.					
		IV—Executive.					
		(a) Pay of Officers—					
5	8	Executive Engineers 1 (1,525), 1 (1,425), 1 (1,375), 1 (1,275), 2 (1,225), 2 (1,175).		1,24,800			81,300
	1	Do. do. @ 700 ..		8,400			..
		Provision for increment ..		1,750			1,250
3	1	Assistant Executive Engineers 1 (775) ..		9,300			39,300
	1	Do. do. 1 (400) ..		4,800			8,400
3	4	Assistant Engineers 250—20—750 ..		22,080			14,520
		Provision for increment ..		250			750
		Do. ..		330			..
	2	Temporary Engineers 1 (510) 1 (490) ..		12,000			..
		Deduct—Probable saving ..		- 62,800			..
						1,20,910	
		(b) Pay of Establishment—					1,45,520
		Upper Subordinates.					
15	17	Upper Subordinates 100—12—460 ..		40,704			31,536
		Provision for increment ..		204			180
		Temporary Upper Subordinates ..		12,510			8,202
		Lower Subordinates.					
27	28	Sub-overseers (Permanent) 60—5—150.		31,740			20,844
		Do. (Temporary) ..		8,100			10,800
		Petty Establishment—					
	5	Store-keepers 2 (90), 1 (70), 2 (65) ..		4,560			4,200
	5	Chowkidars 4 (16), 1 (10) ..		888			600
		Temporary establishment ..		1,33,156			1,19,512
	5	Accountants (Permanent) 1 (210), 1 (200), 1 (170), 1 (130), 1 (120) ..		9,960			8,520
		Do. (Temporary) ..		..			2,040
		Provision for revision of pay ..		..			960
		Do. increments ..		230			..
37		Clerks 5 (130—5—180), 5 (105—5—125), 9 (75—5—100), 18 (30—5—70) ..		34,320			17,220
	5	Draftsmen 1 (125), 1 (120), 1 (115), 1 (110), 1 (105) ..		6,900			4,056
	5	Naiks @ 12 each ..		720			720
	5	Peons @ 10 each ..		600			600
		Temporary establishment ..		29,000			28,674
						3,13,592	
		(c) Allowances—					2,58,664
		Sind allowance ..		11,400			6,000
14		Sub-divisional allowance ..		12,600			18,000
		Temporary and Provisional allowance.		792			9,908
		Baluchistan allowance ..		..			..
		Local allowance ..		3,267			360
		Travelling allowance ..		86,200			53,890
		Duty allowance ..		410			..
						1,14,669	
		(d) Contingencies—					88,258
		Contingencies ..		52,700			42,980
						52,700	42,980
		Rounding ..				+29	-22
		Deduct—Probable savings ..					5,35,400
							43,000
		Total, Executive ..				6,01,900	4,92,400
		Carried over ..				6,01,900	4,92,400
						2,62,100	2,76,600

XIII.—IRRIGATION, NAVIGATION, EMBANK-
MENT AND DRAINAGE WORKS FOR
WHICH CAPITAL ACCOUNTS
ARE KEPT.

BOMBAY PRESIDENCY
(SIND).

A.—IRRIGATION WORKS.
WORKING EXPENSES.

PART IV—concluded.

DETAILS OF BUDGET ESTIMATE OF ESTABLISHMENT OF THE IRRIGATION
DEPARTMENT FOR THE YEAR 1923-24.

Number.		Particulars.	Rate of salary.	1923-24.			Budget Estimate, 1922-23.
1922-23.	1923-24.			Per Mensem.	Per Annum.	Total.	
			Rs.	Rs.	Rs.	Rs.	Rs.
		Brought forward..				2,62,100	2,76,600
		VII—Special Revenue				6,01,900	4,92,400
		Temporary establishment.					
		(b) Pay of establishment—					
		Canal Assistants			9,720		9,600
		Abdars			36,708		38,136
		Clerks			4,320		4,320
		Munshi			2,736		2,736
		Peons, Khalashi, Patkaries..			1,536		1,536
		Post Suwars			2,112		2,112
						57,132	
		(c) Allowances—					58,440
		Travelling allowance					20,260
		(d) Contingencies—					20,260
		Contingencies					1,428
		Rounding				—32	—28
		Total, Special Revenue ..				57,100	80,100
		Total, Indus Left Bank Division ..				6,59,000	5,72,500
		Add—Leave Allowance payable in Eng- land				46,500	69,000
		Lump sum provision for revisions of Establishments					48,500
		Total, Sind ..				9,67,600	9,66,600