BACK PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

IRRIGATION.
ACCOUNT.

Government {1898} of Madras.

PUBLIC WORKS.

Recd. } 1898. *Enclosures*
Regd. } *Spare copies*

G.O., Nos. 537, 538 I., 18th July 1898.

JULY.

Buckingham Canal

Forwarding, for sanction, copy of Proceedings approving, with remarks, the schedule, amounting to Rs. 32,100, of the further outlay required to be incurred on the —.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

READ—the following paper :—

No. 178 I.

Note by the Chief Engineer for Irrigation.

In its letter, No. 268 I., dated 6th November 1893, embodied in Proceedings of Madras Government, No. 1020 I., dated 21st idem, the Government of India directed that the construction estimate for the Buckingham canal should be closed on the 31st March 1897.

2. The construction estimate for this canal, amounting to Rs. 86,12,000 for direct charges, was sanctioned by the Secretary of State in his despatch communicated with Government of India letter, No. 28 I., dated 15th January 1884, printed in Proceedings of Madras Government, No. 195 I., dated 16th February 1884. This amount was subsequently increased by Rs. 2,000 to cover loss by exchange. Against this sanction the total outlay incurred up to end of 1896–97 amounted to Rs. 84,43,453, or Rupees 1,70,547 less than the sanctioned amount.

3. The accompanying volume compiled by Mr. A. S. Russell gives the history of the canal with a descriptive account of it and its principal works and a guide to its future maintenance.

4. The following statements are appended to this note :—

(1) Statement of outlay by main and sub-heads, received from the Examiner of Public Works Accounts. The variations between outlay and estimates are sufficiently accounted for in Mr. Russell's History.

(2) Statement of works which were incomplete or not commenced on the date of closure of the construction estimate, received from the Superintending Engineer, V Circle, and recommended for sanction. The sanction should remain current up to 31st March 1900.

5. The financial results of the canal during and up to end of 1896–97 are shown in the following statement :—

Expenditure.	During 1896–97.	To end of 1896–97.	Receipts.	During 1896–97.	To end of 1896–97.
	Rs.	Rs.		Rs.	Rs.
Direct charges	99,310	29,80,985	Direct receipts—Navigation receipts	1,13,718	15,50,600
Indirect charges	3,710	94,921	Miscellaneous receipts	1,070	14,55,000
Total expenditure ..	1,03,020	30,75,906	Total ..	1,14,788	30,05,600
Surplus revenue	11,752	—88,054	Deduct refunds of revenue ..	16	17,748
Net Total ..	1,14,772	29,87,852	Net Total ..	1,14,772	29,87,852

The net result does not include the sum of Rs. 5,025 due by the Salt Department on account of wharfage fees on boats employed in the transport of salt during 1896–97, owing to the amount having been intimated to the Examiner, Public Works Accounts, too late for inclusion in the administration accounts of the year.

(Signed) W. HUGHES,
Chief Engineer for Irrigation.

18th June 1898.

ENCLOSURES.

STATEMENT of outlay incurred on the Buckingham Canal to end of 1896-97 compared by main and sub-heads with the estimate sanctioned by the Secretary of State in G.O., No. 195 I., dated 16th February 1884, and as modified by the Local Government up to 31st March 1897.

Main and sub-heads.	Estimates sanctioned by the Secretary of State.	Estimates as finally modified.	Outlay to end of 1896-97.	Difference of columns 2 and 4.	Difference of columns 3 and 4.
1	2	3	4	5	6
I. WORKS—	RS.	RS.	RS.	RS.	RS.
(2) *Main Canals and Branches*—					
A. Preliminary expenses	..	5,976	10,642	— 10,642	— 4,666
B. Land	67,003	3,72,299	3,75,133	— 3,08,130	— 2,834
E. Falls and weirs	3,600	3,182	3,182	418	..
F. River and hill torrent works ..	..	11,020	11,020	— 11,020	..
F—(1) Other crop drainage works ..	1,56,720	79,289	76,167	80,553	3,122
G. Bridges	65,390	2,50,453	2,48,996	— 1,83,606	1,457
H. Escapes	..	22,544	20,474	— 20,474	2,070
I. Navigation works	10,39,346	12,23,121	12,14,467	— 1,75,121	8,654
K. Buildings	1,06,365	50,275	48,146	58,219	2,129
L. Earthwork	48,52,057	41,54,378	41,37,037	7,15,020	17,341
O. Miscellaneous	25,428	22,380	22,982	2,446	— 602
Total ..	63,15,909	61,94,917	61,68,246	1,47,663	26,671
Provision for unforeseen works	4,843	88,929	..	4,843	88,929
Total outlay on current sanctions ..	63,20,752	62,83,846	61,68,246	1,52,506	1,15,600
Old outlay	5,04,091	5,04,091	5,04,091	..	..
Total, I. Works ..	68,24,843	67,87,937	66,72,337	1,52,506	1,15,600
II. Establishment	16,29,395	16,20,907	15,85,808	43,587	35,099
III. Tools and plant	1,57,762	2,05,156	1,89,722	— 31,960	15,434
Grand Total ..	86,12,000	86,14,000	84,47,867	1,64,133	1,66,133
V. *Less* receipts on Capital account	..	..	4,414	— 4,414	— 4,414
Net Total ..	86,12,000	86,14,000	84,43,453	1,68,547	1,70,547

NOTE.—The estimate was sanctioned in lump sum by the Secretary of State in 1884, but details by main and sub-heads were given in G.O., No. 709 I., dated 18th August 1885.

(Signed) E. A. DENNYS,
Examiner, Public Works Accounts.

11th March 1898.

SCHEDULE showing Works incomplete or not begun on 31st March 1897, the date of Closure of the Construction estimate for the Buckingham Canal.

Item number.	Name of work.	Estimate number and date.	Amount of estimate.	Outlay up to 31st March 1897.	Balance required after March 1897.	Remarks.
	NORTH CANAL.		RS.	RS.	RS.	
	Section I from St. Mary's Bridge to Pulicat.					
1	Constructing wharf office at Trivelyan and Elephant Gate basin.	G.O., No. 1023 I., dated 2nd Dec. 1896 ..	600	..	600	Work not begun.
2	Making the Otary Nulla navigable	G.O., No. 392 I., dated 5th May 1896 ..	9,340	834	8,506	Work stopped.
3	Constructing a 10-vent inlet sluice near Ennore south flood gate, mile 9/3.	G.O., No. 656 I., dated 10th August 1896.	18,300	16,230	1,949	Work completed and completion report sent with the accounts for July 1897.
	Section V from Penner river to tail end of Commamur Canal, in Kistna district.					
4	Conversion of Pydern north flood gate into a lock ..	G.O., No. 980 I., dated 20th Nov. 1896	13,000	8,657	3,954	Do. do. in January 1898.
5	Conversion of Chippelere south flood gate into a lock ..	G.O., No. 980 I., dated 20th Nov. 1896	13,400	7,247	6,900	Do. do.
6	Constructing Wharf office, Superintendent's quarters and lascars' sheds at Romperu.	Register No. 316 of 1896-97 ..	1,530	..	1,525	Do. do. in March 1898.
7	Constructing a new lock south of the Munneru river at 158 mile 7 furlong.	G.O., No. 348 I., dated 20th April 1896	19,000	18,551	279	Do. do. in July 1897.
8	Constructing a siding basin in the west bank of canal at 163rd mile.	Register No. 132 of 1896-97	470	292	25	Do. do.
	SOUTH CANAL.					
	Section I from St. Mary's Bridge at Madras to Sadras Canal Lock-(Right bank of Adyar river).					
9	Demarcating the border of the Coom river	G.O., No. 775 I., dated 22nd Sept. 1896 ..	440	..	440	Not commenced.
10	Silt trap cistern at Triplicane syphon	Register No. 45/2 of 1897-98	550	553	— 3	Work completed and completion report sent in June 1897.
	Section II from Sadras canal lock to Palar river.					
11	Improvements to South canal from Adyar to Palar	G.O., No. 403 I., dated 11th May 1895 ..	24,800	23,671	267	Do. do. in September 1897.
12	Diversion to canal from 15/11 mile to 31/11 mile in South canal.	G.O., No. 623 I., dated 8th August 1895* ..	22,908	22,843	411	Do. do. in December 1897.
	Section III from Palar river to Mercanum.					
13	Improvements to canal from Palar to Mercanum	G.O., No. 199 I., dated 22nd Feb. 1896 ..	21,100	16,514	2,578	Do. do. in September 1897.
		Total, Works	..	..	26,031	
		Establishment	..	..	5,987	
		Tools and plant	..	..	82	
		Total	..	..	32,100	

(Signed) J. E. PAUL,
Ex. Engineer, Chingleput Divn.

10th May 1898.

Order—No. 537 I., dated 18th July 1898.

The schedule, amounting to Rs. 32,100, of the further outlay required to be incurred on the Buckingham canal is approved.

2. Ordered that a copy of these Proceedings and the History of the canal be forwarded to the Government of India with reference to its letter, No. 268 I., dated 6th November 1893, and with a request that the schedule above referred to may be sanctioned at an early date.

[Here enter No. 538 I., dated 18th July 1898.]

(True Extract.)

(Signed) W. HUGHES,
Joint Secy. to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.
" Superintending Engineer, V Circle.
" Examiner, Public Works Accounts.
" Revenue Department.

Endorsement—No. 538 I., dated 18th July 1898.

Forwarded.

(By order.)

(Signed) W. HUGHES,
Joint Secy. to Government,
Irrigation Branch.

Exd. T. K. Narayana Aiyangar.

IRRIGATION.
ACCOUNT.

Government {1898} of Madras.

PUBLIC WORKS.

Recd. } 1898. *Enclosures*
Regd. *Spare copies*

G.O., No. 537 I., 18th July 1898.

JULY.

Buckingham Canal

Approving the schedule, amounting to Rs. 32,100, of the further outlay required to be incurred on the —, and ordering that copies of the Proceedings and Mr. Russell's History of the Buckingham canal, be forwarded to the Government of India.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

READ—the following paper :—

No. 178 I.

Note by the Chief Engineer for Irrigation.

In its letter, No. 268 I., dated 6th November 1893, embodied in Proceedings of Madras Government, No. 1020 I., dated 21st idem, the Government of India directed that the construction estimate for the Buckingham canal should be closed on the 31st March 1897.

2. The construction estimate for this canal, amounting to Rs. 86,12,000 for direct charges, was sanctioned by the Secretary of State in his despatch communicated with Government of India letter, No. 28 I., dated 15th January 1884, printed in Proceedings of Madras Government, No. 195 I., dated 16th February 1884. This amount was subsequently increased by Rs. 2,000 to cover loss by exchange. Against this sanction the total outlay incurred up to end of 1896–97 amounted to Rs. 84,43,453, or Rupees 1,70,547 less than the sanctioned amount.

3. The accompanying volume compiled by Mr. A. S. Russell gives the history of the canal with a descriptive account of it and its principal works and a guide to its future maintenance.

4. The following statements are appended to this note :—

(1) Statement of outlay by main and sub-heads, received from the Examiner of Public Works Accounts. The variations between outlay and estimates are sufficiently accounted for in Mr. Russell's History.

(2) Statement of works which were incomplete or not commenced on the date of closure of the construction estimate, received from the Superintending Engineer, V Circle, and recommended for sanction. The sanction should remain current up to 31st March 1900.

5. The financial results of the canal during and up to end of 1896–97 are shown in the following statement :—

Expenditure.	During 1896–97.	To end of 1896–97.	Receipts.	During 1896–97.	To end of 1896–97.
	Rs.	Rs.		Rs.	Rs.
Direct charges	99,310	29,80,985	Direct receipts—Navigation receipts	1,13,718	15,50,600
Indirect charges	3,710	94,921	Miscellaneous receipts	1,070	14,55,000
Total expenditure	1,03,020	30,75,906	Total ..	1,14,788	30,05,600
Surplus revenue	11,752	—88,054	Deduct refunds of revenue ..	16	17,748
Net Total ..	1,14,772	29,87,852	Net Total ..	1,14,772	29,87,852

The net result does not include the sum of Rs. 5,025 due by the Salt Department on account of wharfage fees on boats employed in the transport of salt during 1896–97, owing to the amount having been intimated to the Examiner, Public Works Accounts, too late for inclusion in the administration accounts of the year.

(Signed) W. HUGHES,
Chief Engineer for Irrigation.

18th June 1898.

ENCLOSURES.

STATEMENT of outlay incurred on the Buckingham Canal to end of 1896–97 compared by main and sub-heads with the estimate sanctioned by the Secretary of State in G.O., No. 195 I., dated 16th February 1884, and as modified by the Local Government up to 31st March 1897.

Main and sub-heads.	Estimates sanctioned by the Secretary of State.	Estimates as finally modified.	Outlay to end of 1896–97.	Difference of columns 2 and 4.	Difference of columns 3 and 4.
1	2	3	4	5	6
	Rs.	Rs.	Rs.	Rs.	Rs.
I. WORKS—					
(2) *Main Canals and Branches*—					
A. Preliminary expenses	..	5,976	10,642	— 10,642	— 4,666
B. Land	67,003	3,72,299	3,75,133	— 3,08,130	— 2,834
E. Falls and weirs	3,600	3,182	3,182	418	..
F. River and hill torrent works ..	..	11,020	11,020	— 11,020	..
F—(1) Other crop drainage works ..	1,56,720	79,289	76,167	80,553	3,122
G. Bridges	65,390	2,50,453	2,48,996	— 1,83,606	1,457
H. Escapes	..	22,544	20,474	— 20,474	2,070
I. Navigation works	10,39,346	12,23,121	12,14,467	— 1,75,121	8,654
K. Buildings	1,06,365	50,275	48,146	58,219	2,129
L. Earthwork	48,52,057	41,54,378	41,37,037	7,15,020	17,341
O. Miscellaneous	25,428	22,380	22,982	2,446	— 602
Total ..	63,15,909	61,94,917	61,68,246	1,47,663	26,671
Provision for unforeseen works	4,843	88,929	..	4,843	88,929
Total outlay on current sanctions ..	63,20,752	62,83,846	61,68,246	1,52,506	1,15,600
Old outlay	5,04,091	5,04,091	5,04,091	..	..
Total, I. Works ..	68,24,843	67,87,937	66,72,337	1,52,506	1,15,600
II. Establishment	16,29,395	16,20,907	15,85,808	43,587	35,099
III. Tools and plant	1,57,762	2,05,156	1,89,722	— 31,960	15,434
Grand Total ..	86,12,000	86,14,000	84,47,867	1,64,133	1,66,133
V. *Less* receipts on Capital account	..	..	4,414	— 4,414	— 4,414
Net Total ..	86,12,000	86,14,000	84,43,453	1,68,547	1,70,547

NOTE.—The estimate was sanctioned in lump sum by the Secretary of State in 1884, but details by main and sub-heads were given in G.O., No. 709 I., dated 18th August 1885.

11th March 1898.

(Signed) E. A. DENNYS,
Examiner, Public Works Accounts.

SCHEDULE showing Works incomplete or not begun on 31st March 1897, the date of Closure of the Construction estimate for the Buckingham Canal.

Item number.	Name of work.	Estimate number and date.	Amount of estimate.	Outlay up to 31st March 1897.	Balance required after March 1897.	Remarks.
			Rs.	Rs.	Rs.	
	NORTH CANAL.					
	Section I from St. Mary's Bridge to Pulicat.					
1	Constructing wharf office at Trivelyan and Elephant Gate basin.	G.O., No. 1022 I., dated 2nd Dec. 1856 ..	600	..	600	Work not begun.
2	Making the Otary Nulla navigable	G.O., No. 392 I., dated 6th May 1896 ..	9,340	834	8,506	Work stopped.
3	Constructing a 10-vent inlet sluice near Ennore south flood gate, mile 9/3.	G.O., No. 656 I., dated 10th August 1896.	18,300	16,230	1,949	Work completed and completion report sent with the accounts for July 1897.
	Section V from Penner river to tail end of Commamur Canal, in Kistna district.					
4	Conversion of Pyderu north flood gate into a lock	G.O., No. 980 I., dated 20th Nov. 1896 ..	13,000	8,657	3,954	Do. do. in January 1898.
5	Conversion of Chippeleru south flood gate into a lock ..	G.O., No. 980 I., dated 20th Nov. 1896 ..	13,400	7,247	5,900	Do. do. in March 1898.
6	Constructing Wharf office, Superintendent's quarters and lascars' sheds at Romperu.	Register No. 315 of 1896–97	1,530	..	1,525	Do. do. in July 1897.
7	Constructing a new lock south of the Munneru river at 158 mile 7 furlong.	G.O., No. 348 I., dated 20th April 1896 ..	19,000	18,551	279	Do. do. in July 1897.
8	Constructing a siding basin in the west bank of canal at 163rd mile.	Register No. 132 of 1896–97	470	292	25	Do. do.
	SOUTH CANAL.					
	Section I from St. Mary's Bridge at Madras to Sadras Canal Lock (Right bank of Adyar river).					
9	Demarcating the border of the Cooum river	G.O., No. 775 I., dated 22nd Sept. 1896 ..	440	..	440	Not commenced.
10	Silt trap cistern at Triplicane syphon	Register No. 45/2 of 1897–98	550	553	— 3	Work completed and completion report sent in June 1897.
	Section II from Sadras canal lock to Palar river.					
11	Improvements to South canal from Adyar to Palar	G.O., No. 403 I., dated 11th May 1895 ..	24,800	23,671	267	Do. do. in September 1897.
12	Diversion to canal from 15/11 mile to 31/11 mile in South canal.	G.O., No. 623 I., dated 8th August 1895 ..	22,908	32,843	411	Do. do. in December 1897.
	Section III from Palar river to Mercanum.					
13	Improvements to canal from Palar to Mercanum	G.O., No. 199 I., dated 22nd Feb. 1896 ..	21,100	16,814	2,578	Do. do. in September 1897.
		Total, Works		..	26,031	
		Establishment		..	6,987	
		Tools and plant		..	82	
		Total		..	32,100	

(Signed) J. E. PAUL,
Ex. Engineer, Chingleput Divn.

10th May 1898.

ORDER—No. 537 I., dated 18th July 1898.

The schedule, amounting to Rs. 32,100, of the further outlay required to be incurred on the Buckingham canal is approved.

2. Ordered that a copy of these Proceedings and the History of the canal be forwarded to the Government of India with reference to its letter, No. 268 I., dated 6th November 1893, and with a request that the schedule above referred to may be sanctioned at an early date.

[Here enter No. 538 I., dated 18th July 1898.]

(True Extract.)

Under Secretary to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.
" Superintending Engineer, V Circle.
" Examiner, Public Works Accounts.
" Revenue Department.

Exd. T. K Narayana Aiyangar.

Public Works (1898) Department.

CURRENT No. 5376

From the Chief Engr for Irrgn

Order

No. 1781

Dated 18-6-98

Received

Registered 27-6-98

Enclosures

Spare copies

SUBJECT.

Constructing estimate of the Buckingham Canal — Sanctioning the Closure of —

BACK PAPERS.

No.	Date.

FURTHER PAPERS.

No.	Date.

Construction Estimate for the Buckingham Canal.

Flag B

EXAMINER,
P. W. ACCOUNTS.
13 JUN. 1898
No.....

Issue
WH
22.6.98
I

#Flag

No 17.8.98 I & 18-6-98

Note by the Chief Engr. for Irrigation.

In its letter, No 268 I. dy 6 Nov/93, embodied in P. Mg. No 1020 I. dy 21st idem, the Govt of India directed that the construction estimate for the Buckingham Canal should be closed on the 31st March/97.

2. The construction estimate for this Canal amtg. to Rs 86,12,000 for direct charges was sanctioned by the Secy. of State in his despatch communicated with Govt of India letter No. 28 I. dy 15 Jan/84, printed in P. Mg No 195 I. dy 16 Feb/84. This amount was

subsequently increased by Rs 2000 to cover loss by exchange. Against this sanction the total outlay incurred upto end of 1896-97 amounted to Rs 8443453 or Rs 170547 less than the sanctioned amount.

3. The accompanying volume compiled by Mr. A.S. Rundle gives the history of the canal with a descriptive account of it & its principal works & a guide to its future maintenance.

4. The following statements are appended to this note:-

1. Statement of outlay by main & subheads received from the Ex. of W. The variations between outlay & estimates are sufficiently accounted for in Mr. Rundle's history.

2. Statement of works which were incomplete or not commenced on the date of closure of the construction estimate received from the Supdg. E. Circle, & recommended for sanction. The sanction should remain current upto 31st March 1902.

5. The financial results of the canal during the year upto end of 1896-97 are shown in the following statement:-

Expenditure	During 1896-97	Total to end of 1896-97	Receipts	During 1896-97	Total to end of 1896-97
	Rs.	Rs.		Rs.	Rs.
Direct charges	99310	2,80,985	Direct receipts -		
Indirect charges	3710	94,921	Irrigation receipts	113,718	15,50,60
Total Expenditure	103,020	30,75,906	Miscellaneous receipts	1070	14,55,00
Surplus revenue	11,752	— 88,054	Total	114788	30,05,60
			Deduct refunds of revenue	16	17,748
Net Total	114,772	29,87,852	Net Total	114,772	29,87,852

The net result does not include the sum of Rs 5025 due by the Salt dept on account of wharfage fees on

Sent Separately put up with Indian letter

boats employed in the transport of salt during 1896-97. owing to the amount having been intimated to the Govt. P.W.Dr., too late for inclusion in the Administration Accounts of the year.

Order thereon 537 D 18-7-98

The schedule, amty to Rs 32,100, of the works outlay required to be incurred on the Buckingham Canal is approved.

2. Ordered that a copy of these Proc & the History of the Canal be forwarded to the Govt of India with reference to its letter no 2681/4 dd 30/5/93, & with a request that the schedule above referred to may be sanctioned at an early date.

Endorsement.

Forwarded.

538 D 18.7.98

To
The Chief Engr. I
Supdg Engr V
& T.S.R.
& Rev Dept.

18/6/98

W.H 10.6.98

21.6.98

A.H

Statement of outlay incurred on the Buckingham Canal to end of 1896-97 compared by main & sub-heads with the Estimate sanctioned by the Secretary of State in G.O. No 1953 dd 16th February 1884, and as modified by the Local Government up to 31st March 1897

Main & sub-heads	Estimate sanctioned by the Secretary of State	Estimate as finally modified	Outlay to end of 1896-97	Difference of Columns 2 & 4	Difference of columns 3 & 4
1	2	3	4	5	6
	Rs	Rs	Rs	Rs	Rs
I Works					
(2) Main Canals & Branches					
A Preliminary expenses	..	5976	10642	-10642	-4666
B Land	67003	372299	375133	-308130	-2834
E Falls & Weirs	3600	3182	3182	418	..
F River & hill torrent works	..	11020	11020	-11020	-
F (1) Other Crop drainage works	156720	79289	76167	80553	3122
G Bridges	65390	250453	248996	-183606	1457
H Escapes	..	22544	20474	-20474	2070
I Navigation works	1039346	1223121	1214467	-175121	8654
K Buildings	106365	50275	48146	58219	2129
L Earthwork	4852057	4154378	4137037	71.5020	17341
G Miscellaneous	25428	22380	22982	2446	- 602
Total	6315909	6194917	6168246	147663	26671
Provision for unforeseen works	4843	88929	..	4843	88929
Total outlay on current sanctions	6320752	6283846	6168246	152506	115600
Old outlay	504091	504091	504091	..	..
Total I Works	6824843	6787937	6672337	152506	115600
II Establishment	1629395	1620907	1585808	43587	35099
III Tools & Plant	157762	205156	189722	-31960	15434
III A Loss by Exchange	..	..	..	..	..
Grand Total	8612000	8614000	8447867	164133	166133
V. less - Receipts on Capital account	-	..	4414	-4414	-4414
Net Total	8612000	8614000	8443453	168547	170547

Note - The Estimate was sanctioned in lump sum by the Secretary of State in 1884 but details by main & sub-heads were given in G.O. No 709 dd 18.8.85.

CHIEF ENGINEER FOR IRRI. 14 MAR. 1898

W 11.3.98

Examiner P.W. accounts Madras

EXAMINER,
P. W. ACCOUNTS.
13 JUN. 1898
No.....

No. 1311 C.A.
13 MAY 1898

EXAMINER,
P. W. ACCOUNTS.
13 JUN. 1898
No.....

No. 2578
23MAY 1898
CHIEF ENG
FOR IRRIGA

Buckingham Canal

Schedule showing works incomplete or not begun on 31st March 1897, the date of closure of the Construction Estimate for the Buckingham Canal.

Item No.	Name of work	Estimate Number & date	Amount of Estimate	Outlay up to 31st March 1897	Balance required after March 1897	Remarks.
	North Canal					
	Section I from St. Mary's Bridge to Pulicat.					
1.	Constructing Wharf office at Trevelyan & Elephant Gate Basin	G.O. No. 1022 I. dated 2-12-96	600	"	600	Work not begun.
2.	Making the Otary Cutta navigable	G.O. No. 392 I dy 5-5-96	9,340	834	8,506	Work stopped
3.	Constructing a 10 vent Inlet sluice near Ennore South Flood Gate. mile 9/3	G.O. No. 656 I dy 10-8-96	18,300	16,230	1,549	Work Completed and completion report sent with the a/cs for July 1897
	Section V from Penner River to tail end of Commamur Canal in Kistna district.					
4.	Conversion of Pyderu North Flood Gate into a lock	G.O. No. 980 I dy 20-11-96	13,000	8,657	3,954	Do Do Do in January 1898
	---sure into a Lock	G.O. No. 980 I dy 20-11-96	13,400	7,247	5,900	Do Do Do
6	Constructing Wharf office, Supdts Quarters & Lascars Sheds at Romperu	Register No. 315 of 1896-97	1,530	"	1,525	Do Do Do in March 1898.
7.	Constructing a New Lock South of the Munneru River at 158 mile, 7 furlong	G.O. No. 348 I dy 20-4-96	19,000	18,551	279	Do Do Do in July 1897.
8	Constructing a ciding Basin in the West Bank of Canal at 163rd mile.	Register No. 132 of 1896-97	470	292	25	Do Do Do
	South Canal					
	Section I from St. Mary's Bridge at Madras to Sadras canal Lock (Right Bank of Adyar River.)					
9	Demarcating the border of the Coonn river	G.O. No. 775 I dy 22-9-96	440	..	440	Not commenced.
10	Silt Trap cistern at Triplicane syphon Section II from Sadras Canal Lock to Palar River	Register No. 45/2 of 1897-98	550	553	-3	Works completed & completion report sent in June 1897
11.	Improvements to south canal from Adyar to Palar	G.O. No. 403 I dy 11-5-95	24,800	23,671	267	Do Do Do in September 1897
12	Diversion to canal from 15/11 mile to 31/11 mile in south canal	G.O. No. 623 I dy 8-8-95	22,908	32,843	411	Do Do Do in December 1897.

EXAMINED W. ACCOUNTS.

13	Section III from Palar River to Mercanum Improvements to canal from Palar to Mercanum	G.O. No. 199 I d/ 22-2-96	21,100	16,814	2,578	Work completed and completion report sent in September 1897
	Total works				26031	
	Establishment				5987	
	Tools and plant				82	
	Total				32,100	

Executive Engineer, Chingleput Dn. 10/5/98

EXAMINER, P. W. ACCOUNTS. 13 JUN. 1898 No.

21st November 1893, No. 1020 I., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.

Read—the following paper:—

From S. G. WOOD, Esq., Officiating Under Secretary to the Government of India, Public Works Department (Civil Works—Irrigation), to the Secretary to the Government of Madras, Public Works Department, dated Simla, the 6th November 1893, No. 268 I.

I am directed to acknowledge the receipt of your letter No. 792 I., dated the 16th September 1893, forwarding a copy of Proceedings of the Madras Government, No. 791 I., of the same date, on the subject of the closure of the construction estimates of Protective Irrigation works and Minor Works and Navigation in Madras Presidency.

2. In reply, I am to communicate the following orders of the Government of India:—

(a) The proposals of the Madras Government that the construction estimates of the (1) Rushikulya project, (2) Dondapad tank, (3) Sagiléru project, and (19) Lower Coleroon anicut system should not be closed until the works have arrived at a more advanced stage, and that those relating to the (8) Pálár anicut system and (22) Buckingham canal should be closed at the end of March 1895 and March 1897 respectively, are approved.

(b) The construction estimates of the works mentioned in paragraph 5 of Chief Engineer's note No. 127 I., dated 4th September 1893, viz., (4) the Cumbum tank system, (6) Arkenkota channel system, (9) Poiney anicut system, (10) Cheyáru anicut system, (14) Tirukkóyilúr anicut system, and (17) Shatiatope anicut system should, it is considered, be kept open till the works at present under construction are completed, and it is requested that dates may be fixed for their closure and reported to the Government of India in due course.

(c) With regard to the works named in the margin, their construction estimates may be considered as closed from the 31st March 1893. Orders have already issued in Public Works Department letter No. 62 I. of 18th March 1893 to close the construction estimate of (18) Pelandorai anicut system on the same date.

(5) Thadapalli channel.
(7) Kalingarayen channel.
(11) Chembrambakam tank.
(12) Madras water-supply and irrigation extension.
(13) Vallúru anicut system.
(15) Mehamattur anicut system.
(16) Vriddhachalam do.
(20) Maradur anicut system.
(21) Chilka lake canal.
(23) Védáranniyam canal.
(24) Ganjám-Gopalpur canal.

3. I am to add that the necessary schedule of works and report on the general prospects of the Madras water-supply and irrigation extension project, as required by Public Works Department Code volume, chapter XV, paragraph 181 B, clause IV, should be submitted to the Government of India at an early date. The schedules of works, &c., relating to the Pálár anicut system and the Buckingham canal should also be submitted to the Government of India as soon after the closure of their construction estimates as possible.

Order—dated 21st November 1893, No. 1020 I., Public Works.

Communicated to all Superintending Engineers with reference to G.O., No. 791 I., dated 16th September 1893, for information and guidance.

2. The Superintending Engineers concerned will report, at an early date, for communication to the Government of India, when the construction estimates of the marginally-noted systems may be closed.

1 Cumbum tank.
2. Arkenkota channel.
3. Cheyáru anicut—
Revised estimate for improving the main channel of this system amounting to Rs. 1,56,000 was sanctioned in G.O., No. 855 I., dated 6th October 1893.
4. Tirukkóyilúr anicut.
5. Shatiatope do.
6. Poiney do.

3. The Superintending Engineer, V Circle, will submit, as soon as possible, the schedule of works and report required for the Madras water-supply and irrigation extension and the Pelandorai anicut system.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Joint Secy. to Govt., P.W.D.,
Irrigation Branch.

To the Chief Engineer for Irrigation.
„ all Superintending Engineers.
„ the Examiner, Public Works Account.
„ the Revenue Department.

Erd. Shaik Karim.
Spare Copies

42 DEC. 93
FOR IRRIGATION

IRRIGATION.

Govt. of {1893} Madras.

PUBLIC WORKS.

Dated November 21st.

Recd. *Encl.*

G.O., 21st Nov. 1893, No. 1020 I.

NOVEMBER.

Protective Irrigation Works and Minor Works and Navigation in Madras

Orders of the Government of India on the subject of the closure of the construction estimates of —, communicated to Superintending Engineers concerned with instructions.

P. W. ACCOUNTS.
13 JUN. 1898
No.

16TH FEBRUARY 1884, No. 195 I., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

READ—the following letter from R. B. BUCKLEY, Esq., Officiating Under Secretary to the Government of India, Public Works Department (Civil Works—Irrigation), to the Secretary to the Government of Madras, Public Works Department, dated Fort William, 15th January 1884, No. 28 I.:—

With reference to the correspondence ending with your letter, No. 650 I., of the 16th August 1883, I am directed to forward, for information, copy of a despatch from the Right Honorable the Secretary of State, No. 72, Public Works, dated 6th December 1883, communicating the sanction of Her Majesty's Government to the estimate, amounting to Rs. 92,91,954,* for the Buckingham canal as a Provincial, Ordinary Irrigation and Navigation Work, under H. Expenditure on Public Works not classed as Productive, together with copy of Public Works Department despatch,

	Rs.
* Direct outlay	86,12,000
Indirect	6,79,954
Total ...	92,91,954

No. 50, dated 25th September 1883, to which it is a reply.

2. The Secretary of State's sanction has been registered in this office as No. 15 I. of 1883-84.

ORDER—dated 16th February 1884, No. 195 I., Public Works.

Communicated to the officers concerned.

2. The sanction has been registered as No. 160 I. of 1883-84.

(True Extract.)

(Signed) J. O. HASTED, Colonel, R.E.,
Ag. Joint Secy. to Govt., P.W.D.,
Irrigation Branch.

To the Superintending Engineer, V Circle.
" Chief Engineer for Irrigation.
" Examiner, Public Works Accounts.
" Revenue Department.

Exd. E. Fernandez.
Spare Copies

CHIEF ENGINEER
25 FEB
1884
FOR IRRIGATION

IRRIGATION.
ACCOUNT.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated February, 16th.

Recd.

Encl.

G.O., 16th Feb. 1884, No. 195 I.

FEBRUARY.

Buckingham Canal

Sanction of the Secretary of State for India to the estimate, amounting to Rs. 92,91,954, for the —, communicated to the officers concerned.