

(1) Number of pages 15/10

(2) Date of repair _____

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No.	719	Press
		Mis.
Dated	18/5/37	

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department,
7th April 1865.

No. 119. Read the following letter from Colonel R. STRACHEY, R. E., Secretary to the Government of India, Public Works Department (Account), to the Secretary to the Government of Madras, in the Public Works Department, dated Fort William, 23rd November 1864, No. 725A-5,568 :-

Sir,

1. I am directed to forward herewith for information a printed Abstract Statement of Remunerative Works in Madras from 1857-58 to 1862-63, compiled from the returns received with your letters noted in the margin, and from previous returns, and to intimate that it has been published in the "Gazette of India," and a copy forwarded to the Secretary of State.

No. 653, dated 4th March 1864, and No. 1,184, dated 26th April 1864.

2. I am also instructed to point out that in the returns received for 1861-62, the balance of capital debited up to end of that year to the Ragavaiyen channel is Rupees 7,443, while in the return for 1862-63, it is shown as Rupees 56,848. An explanation of this discrepancy is desirable, and I am desired to request that it may be furnished.

No. 120. ORDER THEREON, 7th April 1865, No. 949.

ACCOUNT, No. 16.

Communicated to the Controller of Public Works Accounts, for early report with reference to paragraph 2.

(True Extract.)

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

To the Controller of Public Works Accounts,
Superintending Engineers.

Exd. S. T. Augustin.

Abstract Statement of Remunerative Works in Madras from 1857-58 to 1862-63.

NAME OF WORK.	YEAR.	CAPITAL. Estimated value of works.	REVENUE.				AGGREGATE FINANCIAL RESULT.	
			Net income for the year after paying 4 per cent. interest on Capital.		Net charge for the year including pay- ment of 4 per cent. interest on Capital.		Profit.	Loss.
			Amount.	Rate per cent. on Capital.	Amount.	Rate per cent. on Capital.		
(1) Godavery Anicut with subsidiary works ...	1857-58	Rs. 32,61,105	Rs. 3,68,240	11.3	Rs. ...	...	Rs. 40,32,053	Rs.
	1858-59	31,73,116	6,52,705	20.6	...	...	44,80,311	
	1859-60	32,11,683	9,54,824	29.7	...	...	51,01,867	
	1860-61	32,07,372	18,06,376	56.3	...	...	71,74,256	
	1861-62	32,38,357	13,83,441	42.7	...	...	85,23,413	
	1862-63	33,77,504	14,59,921	43.2	...	...	94,98,398	
(2) Kistna Anicut ...	1857-58	13,26,007	68,659	5.2	...	...	2,245	
	1858-59	14,25,312	69,461	4.9	...	...	52,326	
	1859-60	15,44,309	1,50,526	9.7	...	...	1,72,155	
	1860-61	16,31,721	1,27,744	7.8	...	...	2,66,208	
	1861-62	17,28,457	1,74,510	10.1	...	...	4,04,605	
	1862-63	19,12,699	2,11,500	11.05	...	...	5,77,335	
(3) Pennair Anicut ...	1857-58	1,24,634	...	...	4,230	3.3	13,118	
	1858-59	1,29,781	8,144	6.2	...	...	...	28,738
	1859-60	1,74,548	...	...	8,387	4.8	...	39,475
	1860-61	2,19,929	...	...	10,178	4.6	...	49,653
	1861-62	2,54,723	...	...	958	0.3	...	50,611
	1862-63	2,55,513	...	...	1,760	0.6	...	52,371
(4) Bachagondanahully Anicut ...	1858-59	11,477	...	...	466	4.0	...	6,034
	1859-60	11,964	...	...	821	6.9	...	6,875
	1860-61	11,964	985	8.4	...	...	...	5,910
	1861-62	11,964	875	7.3	...	...	...	5,035
	1862-63	11,964	900	7.5	...	...	...	3,412
(5) Palar Anicut in Madras ...	1858-59	38,953	4,180	10.7	...	...	25,133	
	1859-60	39,283	5,596	14.2	...	...	30,729	
	1860-61	39,462	...	...	1,571	4.0	29,160	
	1861-62	59,264	...	...	1,573	2.6	27,582	
	1862-63	1,36,413	5,777	4.2	...	...	33,339	
(6) Coratoor and Cas- averam Anicut...	1858-59	33,111	...	...	164	5	47,506	
	1859-60	36,746	26,559	72.2	...	...	74,065	
	1860-61	36,746	...	...	2,571	7.0	71,494	
	1861-62	36,746	...	...	1,657	4.5	69,837	
	1862-63	36,746	6,753	18.3	...	...	76,590	
(7) Palar Anicut in North Arcot ...	1857-58	5,15,977	...	...	17,010	3.2	...	36,806
	1858-59	5,39,946	...	...	12,366	2.2	...	48,536
	1859-60	5,39,946	...	...	18,830	3.4	...	67,866
	1860-61	5,43,213	...	...	17,140	3.1	...	84,506
	1861-62	5,79,391	...	...	18,966	3.2	...	1,03,472
	1862-63	6,39,213	...	...	16,584	2.5	...	1,20,056
(8) Ponnie Anicut ...	1857-58	47,481	...	...	2,610	5.4	...	141
	1858-59	47,481	...	...	872	1.8	...	4,330
	1859-60	47,762	...	...	1,795	3.7	...	6,125
	1860-61	47,762	...	...	2,633	5.5	...	8,758
	1861-62	57,763	...	...	2,324	4.0	...	11,082
	1862-63	83,009	...	...	1,291	1.5	...	12,373
(9) Cheyar Anicut ...	1857-58	12,088	...	...	850	7	5,782	
	1858-59	12,088	2,134	17.6	...	...	17,183	
	1859-60	12,088	635	5.2	...	...	17,818	
	1860-61	46,018	...	...	1,986	4.3	7,829	
	1861-62	47,518	...	...	1,575	3.3	6,254	
	1862-63	47,518	...	...	391	0.8	5,863	

Abstract Statement of Remunerative Works, &c.,—continued.

NAME OF WORK.	YEAR.	CAPITAL. Estimated value of works.	REVENUE.				AGGREGATE FINANCIAL RESULT.	
			Net income for the year after paying 4 per cent. interest on Capital.		Net charge for the year including pay- ment of 4 per cent. interest on Capital.		Profit.	Loss.
			Amount.	Rate per cent. on Capital.	Amount.	Rate per cent. on Capital.		
(10) Lower Coleroon Anicut in South Arcot ...	1857-58	Rs. 1,16,469	Rs. 3,34,523	287.2	Rs. ...	...	Rs. 45,66,589	Rs. ...
	1858-59	1,16,469	3,72,098	319.4	...	...	45,38,687	...
	1859-60	1,16,469	3,80,158	283.4	...	...	52,68,845	...
	1860-61	1,16,469	3,67,785	315.8	...	...	56,36,630	...
	1861-62	1,16,469	3,98,316	341.9	...	...	60,34,946	...
	1862-63	1,16,469	3,99,214	342.7	...	...	64,34,190	...
(11) Vellar Anicut ...	1857-58	82,156	61,534	74.3	...	...	5,28,824	...
	1858-59	82,156	69,017	84.0	...	...	5,97,841	...
	1859-60	82,156	70,348	85.6	...	...	6,68,189	...
	1860-61	82,156	81,944	100.3	...	...	7,50,133	...
	1861-62	82,156	94,011	114.4	...	...	8,44,144	...
	1862-63	82,156	1,01,803	123.9	...	...	9,45,947	...
(12) Ragavaiyen Chan- nel ...	1857-58	8,023	20,284	365.0	...	...	2,19,508	...
	1858-59	7,443	30,012	403.2	...	...	2,48,940	...
	1859-60	7,443	24,468	328.6	...	...	2,73,403	...
	1860-61	7,443	30,330	407.5	...	...	3,03,733	...
	1861-62	7,443	30,762	413.3	...	...	3,34,495	...
	1862-63	62,281	32,087	51.5	...	...	3,66,582	...
(13) Ternvadi Anicut ...	1857-58	11,455	25,130	219.3	...	...	2,27,568	...
	1858-59	11,455	24,975	218.0	...	...	2,52,513	...
	1859-60	11,455	20,591	179.7	...	...	2,73,131	...
	1860-61	11,455	30,403	265.4	...	...	3,03,537	...
	1861-62	11,455	29,437	256.9	...	...	3,32,974	...
	1862-63	11,455	30,788	268.7	...	...	3,63,762	...
(14) Vieravandi Anicut	1857-58	13,716	1,583	11.5	...	...	...	...
	1858-59	13,716	1,625	11.8	...	...	...	...
	1859-60	13,716	2,531	18.4	...	...	...	...
	1860-61	13,716	4,324	31.5	...	...	...	...
	1861-62	13,716	4,508	32.8	...	...	...	...
	1862-63	13,716	4,733	34.5	...	...	...	...
(15) Upper Coleroon Anicut in Tan- jore ...	1857-58	2,39,866	15,93,239	664.2	...	...	76,96,199	...
	1858-59	2,39,865	17,50,902	729.9	...	...	91,47,101	...
	1859-60	2,39,865	5,06,101	210.9	...	...	99,53,203	...
	1860-61	2,39,865	5,19,003	216.4	...	...	1,04,72,206	...
	1861-62	2,39,865	5,72,050	238.4	...	...	1,10,44,256	...
	1862-63	2,39,866	6,37,533	265.7	...	...	1,16,81,808	...
(16) Lower Coleroon Anicut in Tan- jore ...	1857-58	2,25,190	5,802	2.6	...	...	...	...
	1858-59	2,25,190	...	...	...	...	...	...
	1859-60	2,25,190	...	...	20,375	...	1,61,111	...
	1860-61	2,25,190	...	...	2,793	9.0	1,40,739	...
	1861-62	2,25,190	4,969	2.1	...	1.2	1,37,945	...
	1862-63	2,25,190	10,308	4.5	...	...	1,42,914	...
(17) Kaniempolliem Anicut ...	1857-58	42,970	...	...	...	...	1,53,222	...
	1858-59	42,970	...	...	1,080	...	1,63,980	...
	1859-60	42,970	...	...	1,681	2.5	...	...
	1860-61	42,970	...	...	1,953	3.9	...	31,218
	1861-62	42,970	...	...	2,230	4.5	...	32,899
	1862-63	42,970	...	...	1,787	5.2	...	34,852
(18) Yennamakal Dam..	1857-58	28,718	253	...	...	...	...	...
	1858-59	23,468	1,711	8	...	...	...	...
	1859-60	22,851	499	7.2	...	...	...	...
	1860-61	22,233	...	1.9	...	...	...	...
	1861-62	21,615	...	...	...	...	...	...
	1862-63	20,998	1,489	7	6,968	...	...	3,871
					4,541	31.4	...	5,645
					...	21	...	5,813
					...	...	...	13,399
					...	...	...	18,558
					...	...	...	17,686

Abstract Statement of Remunerative Works, &c.,—continued.

NAME OF WORK.	YEAR.	CAPITAL. Estimated value of works.	REVENUE.				AGGREGATE FINANCIAL RESULT.	
			Net income for the year after paying 4 per cent. interest on Capital.		Net charge for the year including pay- ment of 4 per cent. interest on Capital.		Profit.	Loss.
			Amount.	Rate per cent. on Capital.	Amount.	Rate per cent. on Capital.		
(19) Nundyar Anicut ...	1861-62	Rs. 46,850	Rs. 2,616	5.5	...	...	Rs. 9,170	Rs. ...
	1862-63	46,850	434	0.9	...	...	- 9,604	...
(20) Eastern Coast Canal ...	1858-59	4,97,417	1,946	...	7,576	1.5	4,39,708	...
	1859-60	4,97,417	...	...	8,867	1.8	4,32,132	...
	1860-61	4,97,417	...	...	4,421	0.8	4,23,265	...
	1861-52	5,04,091	...	...	...	...	4,18,844	...
	1862-63	5,04,091	2,483	...	...	...	4,21,231	...
(21) Thaddapully Chan- nel in the Dis- trict of Coimba- tore ...	1862-63	24,898	...	...	3,928	15.7	...	19,021
(22) Calingaroyen Chan- nel in the Dis- trict of Coimba- tore ...	1862-63	15,284	...	...	8,301	54.3	...	35,821
(23) Arakencottah Chan- nel in the dis- trict of Coimba- tore ...	1862-63	11,126	...	...	2,074	18.6	...	2,074

REMARKS.

The net income has been calculated by assuming, as the standard of comparison, the average of the revenue derived from the land capable of irrigation by the anicut for five years previous to the construction of the work, and setting down all excess above that average, less the cost of repairs, interest on capital, and other charges as the increase due to the anicut in subsequent years. In thus fixing the income, other causes independent of irrigation, such as improved cultivation, increase of population, &c., have not been taken into account.

Further this net annual profit includes the assessment of the land, as well as the value of the water actually supplied, and attributes all increase in the land revenue to the work, being so far a more favourable mode of calculation than is strictly correct; but on the other hand, it leaves out of account all increase in other sources of revenue, viz., Salt, Abkarry, &c., though these may be affected by the improved condition of the people, consequent on the more profit-able character of irrigated cultivation.

Where a work has been kept in proper repair, and all the maintenance and conservancy charges added to such expenses, no deduction has been made on account of deterioration by wear and tear from the capital expended in the work.

Colonel, R. E.,

Secy. to Govt. of India, P. W. D.

Copy of [unclear]

Account 1909/10

I should like to have this somewhat more clearly explained. It seems to me that instead of putting Estimated values of work in each year it would have been better to place the actual outlay in each year. against this to put the actual receipts. The present table is erroneous & likely to lead to all sorts of mistakes. Communicated to the Controller of Public Works. In instances there are two columns bracketed together headed 'not charged' & 'properly included' upon which Capital and yet this charge which is to include 10 per cent in many instances less than 10 per cent. I should like a better form to be made up.

The Controller of P.W. Accts & Works, statement out ✓
Supy Engineer J. With a copy of statement ✓
X^o 87
For April/15 }
X. Jeff. 28th April
X. Jeff. 8th April

W 1864 De memo
Pro: of Govt for April
25/11/2

Account.

To

THE SECY. TO THE GOVT. OF MADRAS,
IN THE PUBLIC WORKS DEPT.,

FROM

SECY. TO GOVT. OF INDIA,
IN THE PUBLIC WORKS DEPT.

No. 725 A.
5568

Dated 23rd November, 1864.

Received 3/5 Dec

Forwards printed Abstract Statement of remunera-
tive works in Madras from 1857-58 to 1862-63,
and intimates its publication in Gazette of India,
and despatch to Secretary of State. Points out a
discrepancy in the return for 1862-63, and requests
explanation.

70.119.120

e. 6th Jan'y 1865 M. 95

With an order
949-75, April 1865