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MADRAS RECORD OFFICE

GOVERNMENT OF MADRAS

Revenue DEPARTMENT

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1/513

*Proceedings of the Madras Government, Public Works Department,
12th March 1875.*

Read the following papers :—

No. 327. From W. B. LEGGATT, Esq., A.I.C.E., Executive Engineer in charge Superintending Engineer's Office, Tanjore, to Lieutenant-Colonel J. MULLINS, R.E., Chief Engineer for Irrigation, dated Tanjore, 22nd December 1874, No. 2,400.

With reference to paragraph 2 of despatch No. 27 of the 14th September 1867, from the Right Honorable the Secretary of State for India, printed with G. O., No. 3,248, of the 19th October 1867, I have the honor to enclose a

	Date of Completion.	
Kodamurty head ...	June 1870	statement which will give in a convenient
Arisalaur do. ...	July "	form the information required relative
Veerasholen do. ...	Feb. "	to the results of the regulating works
		constructed at the heads of the branches
		of the Cauvery as per margin.

The statement is furnished by the Collector, and shows the area cultivated, the assessment and the amount of remissions granted on lands dependent upon the Cauvery below the Kodamurty head and upon its branches. It goes back to the year 1865-66, or five years previous to the completion of the regulators, and is continued up to 1872-73. You will observe from the foot-note to the statement that no change of system affecting the revenue dependent on those rivers has taken place since 1865-66.

2. The regulators were completed in 1870. The effect of the works has been to divert large volumes of water from the Kodamurty, and to increase the supply of the other rivers. By a reference to the statement it will be seen that, so far from the lands dependent upon the Kodamurty having suffered by the reduction of the water-supply to that river, there has been a gradual increase of the area brought under cultivation, till in 1872-73 when it rose to 1,388 acres in excess of the acreage under cultivation in the year previous to the completion of the regulators, for practically they afforded regulation then, viz., in 1869-70.

3. The remissions due to deficiency and excess of water in the Kodamurty, as per statement, may be taken as "nil," and, looking at the figures entered in columns 3 and 4, it appears to me that they point to the possibility of diverting even a larger supply from this river to the great benefit of the others, for although in the year 1871-72 there appears to have been a partial failure of water, yet the lands under the Kodamurty did not suffer at all.

4. As no new land was to be brought under the influence of the waters of the rivers by the construction of the regulators, the results produced by these works are apparent in the relief afforded from remissions on account of insufficient supply and in the extension of irrigation to lands already under the influence of the rivers, but which, owing to the precarious and insufficient supply of former years, were not brought under wet cultivation till after the completion of the regulators.

5. It must, therefore, be conceded that these head-works have proved to be most beneficial and efficient in remedying the deficiencies of water-supply complained of by the Revenue Department.

Proceedings of the Madras Government, Public Works Department,
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6. I must, in conclusion, state that the information contained in this letter is taken from letters addressed to the Collector of this District by Major Oakes, R.E., on the subject of these regulating works, and that I have taken the liberty of copying freely therefrom.

Statement showing the area cultivated, the assessment and the amount of remissions granted on lands dependent upon the undermentioned rivers since 1865-66 to 1872-73; submitted with reference to the District Engineer's letters, dated 9th May and 8th September 1873, Nos. 132 and 601.

Name of River.	Year.	Area under cultivation.	Assessment.	Remissions.	Area on which remissions were granted.	Remarks.
Cauvery below Kodamurty head and independently of the following branches.	1865-66	Acres. 89,955	Rs. 4,70,489	Rs. 44,108	Acres. 9,492	The remissions granted in these years are due to deficiency of water.
	1866-67	90,442	4,73,345	618	148	
	1867-68	96,272	4,99,406	64	17	
	1868-69	95,402	4,93,328	11,420	2,466	
	1869-70	97,918	4,97,275	1,596	354	
	1870-71	99,620	5,09,678	37	23	
	1871-72	98,633	5,05,103	1,045	244	
	1872-73	1,00,858	5,09,562	5	2	
	1865-66	97,748	5,59,518	...	...	
	1866-67	97,823	5,61,524	1,652	255	
Kodamurty	1867-68	98,111	5,70,040	...	...	Rupees 1,413 due to deficiency and Rupees 173 to excess of water. Due to deficiency of water. Rupees 15 due to deficiency and Rupees 1,032 to excess of water. Due to deficiency of water. Due to excess of water. Rupees 551 appertain to the area dependent on the Pottor, and Rupees 1,107 to that dependent on minor channels. Due to deficiency of water. Rupees 3 refer to Mudicondan and Rs. 13 to minor channels. Rupees 2 due to deficiency, and Rupees 60 to excess of water. Due to deficiency. Due to deficiency of water in the Nattar Voikal. Rupees 23 to do., in do., Rupees 813 to excess of water in the Nular, and Rupees 100 to deficiency, and Rupees 1,234 to excess of water in minor channels. Due to deficiency of water in the Nattar Voikal. Rupees 7 due to deficiency in do., Rupees 300 to the excess of water in the Nandalor, and Rupees 50 to deficiency, and Rupees 1,345 to excess in minor channels. Rupees 7 due to the deficiency in the Nandalor, Rupees 6,185 due to deficiency of water in the Natta Voikal, and Rupees 8,061 to do in minor channels. Do. Rs. 175 do. do. and Rs. 246 do. do. Do. " 74 do. do. " 157 do. do. Do. " 1,674 do. do. " 389 do. do. Do. " 382 do. do. " 161 do. do. Do. " 73 do. do. " 143 do. do. Do. " 73 do. do. " 1,042 do. do. Do. " 83 do. do. " 149 do. do.
	1868-69	98,622	5,73,781	...	...	
	1869-70	99,405	5,80,902	16	4	
	1870-71	1,00,532	5,84,601	...	...	
	1871-72	1,00,301	5,82,217	32	9	
	1872-73	1,00,793	5,82,333	13	3	
	1865-66	57,839	2,96,303	15	25	
	1866-67	57,797	2,95,934	2,170	410	
	1867-68	59,007	3,02,319	33	7	
	1868-69	59,145	3,02,986	33	7	
Arisalaur	1869-70	58,818	3,07,689	33	7	
	1870-71	58,958	3,08,786	33	7	
	1871-72	58,842	3,07,869	1,795	354	
	1872-73	59,027	3,09,072	7	2	
	1865-66	48,550	2,29,262	14,846	3,216	
Veerasholen	1866-67	47,776	2,27,748	421	126	Do. Rs. 175 do. do. and Rs. 246 do. do. Do. " 74 do. do. " 157 do. do. Do. " 1,674 do. do. " 389 do. do. Do. " 382 do. do. " 161 do. do. Do. " 73 do. do. " 143 do. do. Do. " 73 do. do. " 1,042 do. do. Do. " 83 do. do. " 149 do. do.
	1867-68	49,907	2,38,428	231	72	
	1868-69	50,164	2,39,684	2,043	497	
	1869-70	50,159	2,39,511	543	79	
	1870-71	51,108	2,39,334	216	68	
	1871-72	50,785	2,40,135	1,115	319	
	1872-73	51,180	2,41,208	232	72	
	1865-66	...	...	...	...	

NOTE.—No change of system affecting the revenue dependent on the rivers specified in this statement has taken place since the year 1865-66.

TANJORE,
5th December 1874.

(Signed) H. S. THOMAS,
Acting Collector.

Proceedings of the Madras Government, Public Works Department,
12th March 1875.

No. 18-B.

No. 328.

Note by the Chief Engineer for Irrigation.

THE information contained in the letter from the Executive Engineer in charge of Tanjore, with its accompaniment, gives the following as the results of the construction of the regulators on the Cauvery:—

Rivers.	PRIOR TO CONSTRUCTION OF REGULATORS. AVERAGE 1865-66 TO 1869-70.			AFTER CONSTRUCTION OF REGULATORS. AVERAGE 1870-71 TO 1872-73.			Increase.
	Assessment.	Remission.	Revenue.	Assessment.	Remission.	Revenue.	
Cauvery below the Kodamurty head	Rs. 4,86,786	Rs. 11,538	Rs. 4,75,248	Rs. 5,08,114	Rs. 382	Rs. 5,07,732	Rs. 32,484
Kodamurty	5,69,153	835	5,38,818	5,83,080	25	5,83,055	14,237
Arisalaur	3,01,026	477	3,00,549	3,08,576	578	3,07,998	7,449
Veerasholen	2,34,927	3,617	2,31,310	2,40,252	521	2,39,731	8,421
			15,75,925			16,38,516	62,591

From the Progress Report of the District for March 1871, it appears that the outlay on the regulators was Rupees 92,933, so that they seem to be fulfilling very completely the expectations formed of their value when they were brought forward for sanction.

2. It will be well in future years to state what the outlay on maintenance, &c., has been, and similar information should be obtained and reported for the Vennaur regulators, which have since been constructed, and the influence of which should now be beginning to be felt.

3. The investigations connected with the proposal to regulate the admission of water to the Cauvery below the Grand Anicut are still incomplete; but as a special officer has for some time been employed upon them, it is anticipated that the information required will soon now be forthcoming.

4. As the Government are aware, the examination of the upper waters of the Cauvery, with a view to the formation of reservoirs, was commenced by Major C. J. Smith, R.E., in 1869, and discontinued in 1870, owing to that officer's health having suffered from the malarious character of the climate of the Bhowany Valley. Since that time there has not been an officer to spare for resuming this work, and in the present weak state of the Engineering establishment it is doubtful when an officer will become available. In my opinion the works of regulation in Tanjore may very well be continued to completion irrespective of the reservoir proposals, which have no direct bearing thereupon.

CAMP AT TRIPATTOOR, (Signed) JOHN MULLINS, Lieut.-Colonel, R.E.,
7th January 1875. Chief Engineer for Irrigation.

No. 329. ORDER THEREON, 12th March 1875, No. 705.

IRRIGATION, No. 23.

ORDERED that these papers be communicated to the Home Government, with reference to the Despatch, No. 27, of the 14th September 1867, from the Secretary of State.

*Proceedings of the Madras Government, Public Works Department,
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2. The Government are glad to find that the Cauvery regulators have already had an important and beneficial effect on the irrigation and revenue under that river and its principal branches.

3. Ordered also that a copy of these Proceedings be forwarded to the Government of India.

(True Extract.)

Cumander Colonel, R.E.,
Secretary to Government.

To the Superintending Engineer, Tanjore.
,, Chief Engineer for Irrigation.
,, Revenue Department.
,, Controller of Public Works Accounts.

Erd. S. T. Austin.

20 Spare Copies

No 925
Revenue Department
Govt. of [1875] Madras.
PUBLIC WORKS.

To

THE SUPERINTENDING ENGINEER,

TANJORE,

&c., &c., &c.

Dated March 12th.

Recd. *-15* Encl.

G. O., 12th March 1875, No. 705.

MARCH

Nos. 327-329

Cauvery Regulating Works, Tanjore District.—Papers relating to the results of the works constructed at the head of the branches of the Cauvery, ordered to be communicated to the Home Government.

No 513
Comm to the
Board of Revenue
16 March 75

14- To the Board of Revenue, 18 March