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MADRAS RECORD OFFICE

GOVERNMENT OF MADRAS

Revenue DEPARTMENT

G.O. No.
B.P. No.

1539

Press
Mis.

Dated

22-7-1875 196 .

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
15th July 1875.*

Read the following papers :—

No. 407. From G. S. SAGE, Esq., District Engineer, South Arcot, to Major J. O. HASTED, R.E., Officiating Chief Engineer for Irrigation, dated Camp at Cuddalore, 20th February 1875, No. 247.

WITH reference to your memorandum No. 40, of 29th May 1873, I have the honor to forward the statements of New Works and Improvements, Agricultural Ordinary, therein called for, from the year 1868-69 to 1871-72.

2. The revenue particulars have just been received from the Collector and hence the delay in the submission of the statements.

3. The Collector has been again asked for explanation as to the cause of the anticipated revenue not being realized in the case of Items Nos. 2, 4, and 5, and will be submitted when received. The three works under Item No. 2 are grouped together, as they all appertain to the Amoor channel.

4. Items Nos. 6, 7, 8, 12, 14 and 15.—The cause of anticipated revenue not being realized in these cases is attributed to the following defects in the works, and instructions have been issued to Range Officers for taking steps for remedying the same :—

No. 6. To the bund not being high enough to retain water.

„ 7. To the anicut not being high enough to supply all lands.

„ 8. To all subsidiary channels not being completed.

„ 12. To the tank having breached in the same year in which it was completed.

„ 14. To lands being on a high level and requiring much improvement.

„ 15. To want of a calingulah to the channel.

5. Item No. 1 is said to have been completed late in the season.

6. Statements for 1872-73 and 1873-74 will be forwarded as soon as the revenue particulars have been received from the Collector.

No. 407-A.

No. 698.

MEMORANDUM.

IN the statements accompanying the foregoing letter the District Engineer, South Arcot, compares the results of the construction of certain agricultural works, in increasing the revenue from irrigation, with those anticipated in each case when the estimates were sanctioned. The information is not complete, inasmuch as no causes are assigned in the case of three works in the list, for failure in the realization of anticipated revenue.

2. It is stated that the Collector has been asked to supply the required information, but it is to be observed that, in reference to these and to the other projects enumerated, the District Engineer, even if he asks the Revenue Officers in the first instance to notice defects or omissions from their point of view, should be in a position to endorse or correct the views expressed, and that he should not only do so, but explain as fully as practicable how the miscalculations arose.

3. The statements that works have failed to realize the revenue expected because “the bund is not high enough to retain water,” “because the anicut is not high enough to supply all lands,” “because lands are on a high level and require much improvement, &c., &c.,” derived apparently from the reports of Revenue officials, should obviously be inquired into with reference to the calculations made more or

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less in detail by the officers who framed the estimates originally, and they should not be blindly accepted by the District Engineer and passed on without comment. The utility of the returns greatly depends on the full exposure of the real defects of the projects which may reveal themselves.

4. The following is an abstract of the results shown in the statements as regards completed projects for which particulars are given by the District Engineer :—

Name of Work.	Cost.	Date of completion.	AYACUT.		AVERAGE OF 10 YEARS PRIOR TO DATE OF COMPLETION OF WORK.		AVERAGE REALIZED.		Increase of Revenue due to work.	Percentage of increase on cost of work.	Remarks as to cause of failure to realize forecast.
			Area.	Assessment.	Cultivation.	Net Revenue.	Cultivation.	Net Revenue.			
Pombay irrigation channel	51,634	March 1873	4,343	20,746	3,315	16,267	3,561	15,648	...	...	Completed late in the season.
Improving Photopolliam tank supply-channel and re-opening Amoor channel.	9,234	Do. 1869	717	3,590	585	2,720	654	2,930	210	2.3	No explanation supplied by Collector.
Kalamarudoor tank supply-channel, &c.	1,100	Do. 1869	309	2,102	250	1,772	263	1,913	141	12.3	Do.
Manalur tank supply-channel	1,379	Do. 1872	169	768	151	616	146	842	226	16.3	Do.
Manimuttanadi anicut and sluice (Kallacoorchi)	4,000	Do. 1869	157	1,014	135	1,012	136	1,008	...	...	Ariseet insufficiently high.
Manimuttanadi anicut (Viridachelam)	34,846	Do. 1869	1,309	8,949	825	4,326	915	4,309	...	...	Subsidiary channel incomplete.
Koringumpet tank supply-channel and sluices	980	Do. 1871	53	335	37	164	53	350	216	22.0	Lands on a high level and requiring improvement.
Thockavady tank supply	1,490	Do. 1871	122	413	47	74	73	235	161	10.3	Calingulah wanted in the channel.
Restoring the Periacoorchi ruined tank.	2,062	Do. 1872	30	162	23	40	18	...	...	...	Tank breached as soon as completed.
Forming a new tank at Kattakolam in the Tiruonamallay Taluk.	2,598	Do. 1870	368	1,774	...	...	...	...	...	...	Bund not sufficiently high.
	14,183		...	...	...	...	...	...	954	...	
	43,506		...	...	...	...	...	...	...	...	
	57,689		...	...	...	...	...	...	...	...	

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5. If the whole expenditure, except that for the first entered work on the list (which was completed too late to be utilized), is compared with the results in the shape of increased revenue, we have an outlay of Rupees 57,689 returning an increase of Rupees 954 or 1.6 per cent. If, on the other hand, the income derived in the shape of increased revenue is examined in connection with the total outlay on works which do return some revenue, the return is equivalent to 6.7 per cent. on the capital outlay.

Obviously the information given is too incomplete and unreliable to admit of satisfactory review, or trustworthy conclusions. The returns for 1872-73 and 1873-74 should supply the information required.

OOTACAMUND,
26th June 1875.

(Signed) A. deC. SCOTT, Major, R.E.,
for Chief Engineer for Irrigation.

No. 408.

ORDER THEREON, 15th July 1875, No. 2,014.

IRRIGATION, No. 43.

RECORDED.

2. The District Engineer's attention will be called to the remarks in the Note of the Chief Engineer for Irrigation, and he will supply the necessary information regarding the works entered in his list in future reports.

(True Extract.)

In att.

Major, R.E.,
Offg. Joint Secretary to Government.

To the District Engineer, South Arcot.

„ Chief Engineer for Irrigation.

„ Revenue Department.

„ Controller of Public Works Accounts.

Exd. S. T. Austin.

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Gobt. of [1875] Madras.

PUBLIC WORKS.

THE DISTRICT ENGINEER,

28th
SOUTH ARCOT,

&c., &c., &c.

Dated July 15th.

Issued

Recd.

21st

Encl.

G. O., 15th July 1875, No. 2,014.

28th
JULY.

INos. 407-408

14 To the Board of Revenue, Sec. 29 July

Statements of New Irrigation Works and
improvements carried out under Agricultural
Ordinary for 1870-71, South Arcot.—
Memorandum of the Officiating Chief Engi-
neer on —, recorded with remarks.

N^o 1539 Comm. to the
Board of Revenue
22-Sub. 15.