

(1) Number of pages 5 Encl.
(2) Date of repair _____
(3) Initials of the Referencer _____

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Revenue DEPARTMENT

G.O. No.	6149	Press.
B.P. No.		Mis.
Dated	18-10-1877	197 .

Not to be folded or roughly handled

PROCEEDINGS OF THE BOARD OF REVENUE, dated 15th September 1877.

Read the following letter from J. GROSE, Esq., Collector of Nellore, to C. A. GALTON, Esq., Acting Secretary to the Board of Revenue, dated 30th July 1877, No. 3,887:—

I HAVE the honor to submit the annual report on the Public Works executed in the District of Nellore during the past official year 1876-77.

2. The following statement exhibits the expenditure incurred during the year under report as compared with that of the previous year:—

Particulars of Works.	Expenditure in 1875-76.	Expenditure in 1876-77.	DIFFERENCE.	
			Increase.	Decrease.
<i>New Works.</i>	RS.	RS.	RS.	RS.
Irrigation	1,45,811	1,06,911	...	38,900
Buildings and Communications, including Police Stations, &c.	74,157	2,16,405	1,42,248	...
Total ...	2,19,968	3,23,316	1,42,248	38,900
<i>Repairs.</i>				
Irrigation	85,842	74,883	...	10,459
Buildings	1,933	2,136	203	...
Total ...	87,275	77,019	203	10,459
Grand Total ...	3,07,243	4,00,335	1,42,451	49,359

3. From the above statement it will be observed that the head of expenditure under Irrigation, New Works and Repairs, shows a decrease of Rupees 49,359. This is due apparently to the East Coast Canal and other large relief-works having drawn away labor from ordinary irrigation works.

The item of Rupees 2,16,405 under Buildings, &c., "New Works," includes expenditure under the following heads:—

On the extension of the East Coast Canal	RS. 1,72,809
On the Salt Road from Koppolu to Beramgunta	1,881
Total ...	1,74,690

4. Under Agricultural Original Works the budget grant was Rupees 84,324, and the expenditure amounted to Rupees 1,06,911 as shown below:—

On the Survapalli Project	RS. 16,256
On the extension of the Pennair Anicut	22,627
On the Nellore Tank Surplus Weir	9,657
On Minor New Works	4,137
On Miscellaneous Agricultural Ordinary Works	8,236
On embankments	45,998
Total ...	1,06,911

The budgeted grant for Irrigation Repairs was Rupees 67,400, subsequently raised to Rupees 79,839, and the amount spent was Rupees 74,883, showing a decrease of Rupees 4,956 on the budget grant.

5. The original allotment for Civil Buildings and Communications, both Original Works and Repairs, was Rupees 1,36,357, increased subsequently to Rupees 1,78,670, including Rupees 1,10,100 for the extension of the East Coast Canal. The expenditure, however, under these two heads (New Works and Repairs), viz., Rupees 2,18,547, exceeded the budget grant by Rupees 39,877.

6. The budget grants, &c., of the year under report were as follows:—

Works.	Grant.	Expenditure.	Remarks.
<i>Original Works.</i>			
Buildings and Communications, including Police Stations, &c. (Provincial)	1,23,557	2,16,405	
Agricultural	84,324	1,06,911	
Total ...	2,07,881	3,23,316	
<i>Repairs.</i>			
Buildings, including Revenue Buildings (Provincial)	2,700	2,136	
Agricultural	67,400	74,883	
Total ...	70,100	77,019	
Tools and Plant	2,77,981	4,00,335	Total expenditure.
	850		
	2,78,831		
<i>Add.</i>			
Subsequent sanctions	1,10,750		
	3,89,581		
<i>Deduct.</i>			
Transferred to other districts and surrendered.	21,000		
Balance of grant available	3,68,581		

The grant originally sanctioned in the year was Rupees 2,78,831, and was increased by supplemental grants to Rupees 3,89,581. This amount was, by subsequent changes, transfers, and surrenders, reduced to Rupees 3,68,581, the net grant available for expenditure during the year. The entire expenditure was Rupees 4,00,335, or Rupees 31,754 in excess of the grant. This excess was almost entirely attributable to expenditure incurred on purchasing the Collector's bungalows at Nellore and Kristnapatam for Rupees 16,000 and on the construction of the Kandlem and Pennair sections of the East Coast Canal.

7. *Communications.*—The total grant under Road Fund amounted to Rupees 1,19,355 and the expenditure to Rupees 1,21,505-15-0, or Rupees 2,150-15-0 in excess of the grant, which will be explained further on.

The grants and expenditure under this head were distributed as follows:—

	Grant.	Expenditure.	Savings.	Excess.
<i>Original Works.</i>				
Communications	28,868	37,763	...	8,895
Minor New Works	2,573	2,436	137	...
<i>Repairs.</i>				
Communications	85,274	78,642	6,632	...
Advances to Civil Officers on account of tolls and ferries	1,380	1,380	...	25
Tools and Plant	1,260	1,285	...	...
Total ...	1,19,355	1,21,506	6,769	8,920

8. As directed in Board's Circular Memorandum, of 7th December 1875, No. 2,044, two lists in the prescribed form, showing the progress of all works in the district during 1876-77, are submitted, with the following brief review of Local Funds outlay entrusted to Public Works Department and other agency. The most important of the works were—

New Works.

1. Metalling and improving the Great Northern Road between the 154th and 195th mile stones.
2. Graveling the portion of the Great Northern Road between 33rd and 49th mile stones.
3. Road from Nellore to Kodur.
4. Do. Nellore to Mypaud.
5. Do. Kristnapatam to the Great Northern Road at Venkatachellem Chuttrum part from Survapalli to Kristnapatam.
6. Completing road from Nellore to Kandlem near Kristnapatam.
7. Road from Dugarajupatam to Kota.
8. Completing certain portions of the Great Northern Road from Bengal to Madras frontier.
9. Reconstructing road from Gudur to North Arcot frontier beyond Venkata-giri.
10. Completing road from Kottapatam via Ongole to Cumbum.
11. Graveling and improving certain portions of the road from Oollapalem to Vemulapad Pass.
12. Constructing certain masonry works and metalling a portion of Great Northern Road.

Repairs.

13. Maintenance of Great Northern Road from Madras to Bengal frontier.
14. Maintenance of road from Nellore to Dornal Pass.
15. Maintenance of road from the port of Kottapatam to Cumbum in Kurnool.

9. *General Funds.*—The grant and outlay under General Funds were distributed as follows:—

	Grant.	Outlay.	Savings.	Excess.
<i>Original Works.</i>				
Civil Buildings	19,718	14,783	4,935	...
Minor Works	155	155	...	...
<i>Repairs.</i>				
Civil Buildings	1,680	1,962	...	282
Tools and Plant	350	95	255	...
Advances to Civil Officers	8,238	1,070	7,168	...
Total ...	30,141	18,065	12,358	282

From the above statement it will be observed that out of the total grant of Rupees 30,141 under General Funds, Rupees 18,065 were spent, the net savings having amounted to Rupees 12,076. The most important of the General Fund works were—

1. Construction of the 1st-class choultry at Gudur.
2. Do. of the 2nd-class do. at Venkateddipalem.
3. Do. of do. do. at Nellorepalem.
4. Do. of do. do. at Cheemakeerti.
5. Do. of do. do. at foot of Vemulapad Pass.
6. Do. of choultry at Sulurpet.
7. Do. of school-house at Venkatagiri.

Full details of expenditure on and the states of these works, in addition to the particulars specified in the two lists accompanying, were given in the Local Fund Administration Report already submitted.

10. *East Coast Canal from Dugarajupatam to Kristnapatam.*—The estimate for this work amounted to Rupees 2,87,000, and the expenditure, including that of the year under report, viz., Rupees 1,151-1-4, amounted to Rupees 2,85,627, leaving an unexpended balance of Rupees 1,373. The estimate for the extension of the canal from the Kandleru to the Pennair was Rupees 2,74,000, and the total expenditure up to the end of the year was Rupees 1,96,658. The allotment for 1876-77 in the Provincial Budget for this work was Rupees 1,00,000, increased by a supplemental grant to Rupees 1,50,000, and the expenditure during the year was Rupees 1,71,658. The length of this portion of the canal is 22½ miles, of which three miles nearly had been completed in previous years and 19½ during the year under report.

11. *Irrigation Works—(a) Original.*—The provision under this head in the budget was Rupees 1,25,792 for ordinary works, including Rupees 5,976 for minor new works. This grant was subsequently reduced to Rupees 1,09,672, including Rupees 4,527 for minor works. The following is a list of irrigation works in progress during the year under report:—

	Amount of Estimate.	Expenditure to end of 1876-77.	Allotment in 1876-77.	Expenditure in 1876-77.	Increase or Decrease.	Remarks.
	Rs.	Rs.	Rs.	Rs.	Rs.	
Survapalli Project	4,20,060	4,16,167	16,276	16,256	— 20	G.O., No. 8,215, of 12th October 1868.
Extension of Pennair Anicut	2,97,245	1,94,658	23,149	22,627	— 522	G.O., No. 3,455, dated 16th December 1870.
Nellore Tank Weir	15,600	11,915	9,442	9,657	+ 215	G.O., No. 2,604, dated 27th September 1876.
Revenue extensions and improvements, Ordinary Agricultural	16,380	13,108	8,327	7,125	— 1,202	G.O., No. 2,548, of 8th Sept. 1876.
Surplus Weir of Chinakraka Tank	13,850	13,477	5,620	5,248	— 372	
Embankment from Narisimlukonda to the anicut	...	...	21,700	20,765	— 935	
Embankment from the anicut to the sea.	...	...	25,158	25,233	+ 75	

12. *Survapalli Project.*—The allotment for this work was Rupees 16,276 (G.O., No. 1,051, dated 28th March 1877,) and the expenditure Rupees 16,256, falling only Rupees 20 short of the allotment. Of this amount Rupees 13,311 were disbursed by the Revenue Department for compensation for lands and only Rupees 2,944 actually expended on the work.

13. *Extension of the Pennair Anicut.*—Out of Rupees 23,149, the net allotment for this work, the expenditure incurred was Rupees 22,627. The only unfinished portion of the work consisted of a road approach to the anicut, and very little of this work remained to be done.

14. *Constructing a Surplus Weir to the Nellore Tank.*—Rupees 9,657 were expended on this work during the year under report out of an allotment of Rs. 9,442. The work would have been finished at the end of the year but for delay that had taken place in obtaining materials. The masonry, the roadway, and the discharge channel were completed.

15. *Revenue Ordinary Agricultural Minor New Works.*—Rupees 7,125 were spent on the revenue extensions and improvements on ordinary agricultural works against an allotment of Rupees 8,327.

16. *Surplus Weir for the Chinakraka Tank.*—This was the only major work in progress during the year under report under Ordinary Agricultural Original Works. The allotment was Rupees 5,850, reduced subsequently to Rupees 5,620 by surrender. The amount expended was Rupees 5,248, leaving only a small balance of Rupees 372 unspent. The work was completed during the year. The calingulah is 418 feet long and built on one foot of concrete with rubble stone in mortar coped with fine laterite stone.

17. *Embankment from the Narsimlukonda Hill to the Anicut.*—(Sanctioned in G.O., No. 1,946, dated 1st August 1876.) The net grant for this work was Rupees 21,700, and the amount spent during the year was Rupees 20,765. The earthwork of the embankment was all completed except for a length of about three-fourths of a mile. The work was delayed for some little time owing to an outbreak of cholera amongst the coolies, but it will be completed in 1877-78.

18. *Embankment from the Pennair Anicut to the Sea.*—The allotment for this work was Rupees 25,158 against an expenditure of Rupees 25,233. The earthwork of this embankment was completed for a distance of more than eleven miles from the anicut. The grant has, therefore, been worked out fully.

19. The following is a statement showing the number and description of minor works in progress during the year:—

		Number.	Estimate.	OUTLAY.		Complete.	Incomplete.
				Up to 31st March 1877	In 1876-77.		
<i>Revenue Extensions and Improvements.</i>							
			RS.	RS.	RS.		
Channels.	{ Revetments to regulator	4	1,423	1,355	450	4	...
	{ Aqueducts	1	168	162	163	1	...
	{ Distributing works	2	780	780	780	2	...
Tanks and sluices		21	6,090	5,201	2,745	16	5
Total ...		28	8,461	7,498	4,137	23	5
<i>Ordinary Agricultural Works.</i>							
Small weirs		1	1,200	1,143	47	1	...
Sluices		21	4,510	2,678	2,673	5	16
Revetments		5	2,309	1,739	563	5	...
Total ...		27	7,919	5,510	2,988	11	16
Grand Total ...		55	16,380	13,108	7,125	34	21

20. *Irrigation Works—(b) Repairs.*—The expenditure on repairs was Rs. 74,883 out of an allotment of Rupees 79,839. The following statement shows the number and the cost of the works under repair:—

Description of Works.	Number repaired.	Outlay.
<i>Pennair Anicut System.</i>		
		Rs.
Anicut weir	1	3,912
Main canal	1	217
Main channels	2	2,037
Distributing channels	20	8,557
Tanks	31	8,903
Drainage works	2	785
Total ...	57	24,411
<i>Ordinary Agricultural.</i>		
Minor anicut weirs or dams	2	309
Tanks	140	38,867
Channels branching off from Pennair, but do not concern to Pennair Anicut system	8	8,180
Embankments (including minor banks)	5	3,117
Total ...	155	50,473

21. Rupees 3,281 were expended on the repairs of the Pennair Anicut. Of the expenditure of Rupees 74,883 on repairs, the proportion which fell to the several Revenue Divisions was as follows:—

	RS.
Sub-Division	1,974
Head Assistant's Division	5,590
Naidupet Division	157
Collector's do.	67,162

22. Subjoined is the usual comparative statement showing the aggregate expenditure on new works and repairs under the head of Irrigation compared with the revenue:—

Name of Taluq.	AREA IRRIGATED AND THE ASSESSMENT AS ADJUSTED FOR 1876-77.		EXPENDITURE UNDER THE PUBLIC WORKS DEPARTMENT DURING 1876-77 ON WORKS OF IRRIGATION.		Total.	COMPARISON OF EXPENDITURE WITH REVENUE.	
	Area.	Assess. made.	New Works.	Repairs.		On Repairs.	Total.
	ACRE.	RS.	RS.	RS.	RS.	PER CT.	PER CT.
Gudur	22,171	1,18,610	2,812	8,940	11,752	8	10
Rapur	1,814	8,891	141	157	298	2	3½
Nellore	38,501	2,09,378	12,767	37,921	50,688	18	24
Atmakur	4,999	27,837	213	11,767	11,980	42	45
Kavali	11,553	59,528	5,248	4,767	10,015	8	17
Udayagiri	2,151	8,941	81	833	914	12	13
Ongole	1,327	7,487	502	391	893	5½	12
Kandukur	2,930	21,856	265	1,583	1,848	7	8½
Kanigiri	263	1,447	...	...	...	...	...
Total	86,779	4,61,470	22,029	68,349	88,378	...	...
Expenditure on the Pennair Anicut distributed over two taluqs	...	...	22,027	3,281	25,308	...	...
Expenditure on improvements to Suryapalli Channel in connection with Nellore Anicut	...	...	16,256	1,650	17,916	...	...
Jaffer Sahib's Channel	...	...	...	208	208	...	...
Kristnapatam Canal	...	...	...	700	700	...	...
Pennair Embankment	...	...	45,999	2,685	48,684	...	...
Total	...	...	84,882	8,584	93,416	...	...
Grand Total	86,779	4,61,470	1,08,911	74,883	1,81,794	16½	44½

23. *Civil Buildings and Communications*—(a) *Original*.—The expenditure on Buildings and Communications was Rupees 2,16,405 against an allotment of Rupees 1,76,320 for the year under report. Of the sum of Rupees 2,16,405 expended on New Works, Civil Buildings, &c., Rupees 1,72,809 were spent on the extension of the East Coast Canal and Rupees 1,881 on the construction of the salt road from Koppolu to Berangunta, the balance Rupees 41,715 being spent on the construction and improvement of the following buildings:—

	RS.	A. P.
1. Constructing second-class cutcherry at Venkatagiri	1,676	0 10
2. Do. do. do. at Sularpet	1,461	3 2
3. Latrine for the town station-house at Nellore	19	14 6
4. Reconstruction of Police station-house at Naiduchutram	18	0 0
5. Constructing a Police Hospital at Nellore	1,126	14 9
6. Purchase of the Collector's bungalow at Nellore	16,000	0 0
7. Making a thermantidote for the chancel of Christ Church	92	8 10
8. Constructing new Police Lines for the Salt Guard at Dugarajupatam	497	14 1
9. Constructing watch-tower on No. 1 Utrupu Platform at Kristnapatam	140	0 0
10. Pulling down and rebuilding the watch-tower on No. 2 or Turpu Platform at Kristnapatam	91	0 0

	RS.	A. P.
11. Constructing Taluq Cutcherry at Atmakur	2,202	2 7
12. Do. do. at Rapur	6,165	7 7
13. Do. do. at Udayagiri	5,493	8 0
14. Putting up a witness-box, dais, &c., for Joint Magistrate's Court at Ongole	108	7 9
15. Constructing the Sub-Collector's Cutcherry at Ongole	196	5 4
16. Do. first-class cutcherry at Kanigiri	3,993	13 8
17. Improvements to the Gudur Cutcherry	162	9 4
18. Cook-room and latrine for prisoners at Venkatagiri	59	12 6
19. Do. do. at Sularpet	549	0 1
20. Reconstructing the station-house at Vellampalli	13	8 8
21. Do. Police station-house at Tangolla	72	14 0
22. Compensation for lands taken up for Raugiri, Podili, and Darsi Police stations	23	11 2
23. Improvement to the prison wards of the existing Taluq Cutcherry at Ongole	202	1 3
24. Providing new ventilation door for the record-room at the Civil Court, Nellore	25	15 9
25. Reconstruction of the Police station-house at Podalakur	462	12 9
26. Do. do. at Kaligiri	290	0 11
27. Constructing Police Lines at Tupili	394	6 10
28. Do. Police station-house at Ongole	175	0 4
Total	41,715	3 4

Of these Nos. 5, 6, 7, 11, 12, 14, 15, 16, 18, 19, 21, 22, 23, and 27 have been completed since the last report. The most important new works undertaken were—

1. Taluq Cutcherry at Gudur.	6. Sub-Magistrate's Cutcherry at Venkatagiri.
2. Do. at Atmakur.	7. Do. do. at Sularpet.
3. Do. at Rapur.	8. Sub-Collector's Cutcherry at Ongole.
4. Do. at Udayagiri.	9. Police Hospital at Nellore.
5. Do. at Kanigiri.	

24. (b) *Repairs*.—Rupees 2,136 were spent on repairs on the following eighteen works:—

	RS.	A. P.
1. Repairing windows for the Vernacular Record-room of the Huzur Cutcherry	16	8 0
2. Repairing Collector's Cutcherry and other buildings	660	1 8
3. Whitewashing the Police guard-room at the Huzur Cutcherry	3	11 6
4. Whitewashing building attached to the Collector's Cutcherry	50	5 8
5. Whitewashing Collector's bungalow at Nellore	125	13 4
6. Improving and altering the smith's shop and repairing the Range Office at the Engineer store-yard	413	5 4
7. Whitewashing Police station-house at Nellore	14	6 7
8. Reconstructing the mud wall of the cattle pound of the District Munsif's Court, Nellore	30	9 0
9. Whitewashing District Court at Nellore	56	9 11
10. Do. Munsif's Court at do.	61	1 10
11. Do. Hospital at Nellore	41	13 3
12. Making iron-barred door for the town Police lock-up at Nellore	5	4 11
13. Repairing Police station-house at Pennair	222	2 2
14. Do. tomb and compound wall of the cemetery at Ongole	39	2 7
15. Repairing Police stations	395	0 0
Total	2,135	15 9

Of these Nos. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, and 14 were completed, and the rest were left incomplete.

25. *Convict Labor Fund.*—The total grant under this head was Rupees 4,966 and the expenditure Rupees 8,526, or Rupees 3,560 in excess of the allotment. The cause of this excess expenditure was due to delay in making allotments for the works already put on hand and to smaller sums than what had been applied for having been allotted.

The works in progress were—

	RS.	A.	P.
1. Sub-Jail at Kavali	5,776	13	11
2. Do. at Podili	1,640	8	4
3. Do. at Kandukur	1,108	5	2
Total	8,525	11	5

Good progress was made on these buildings which had almost been completed.

26. *Chundi Estate.*—The works in progress were the following:—

	Amount spent.
	RS. A. P.
17 Irrigation works	4,671 8 1
1 Repairing Zemindar's house	1,844 8 2

The amount spent on the above was Rupees 6,886-13-5 inclusive of charges on account of establishment, amounting to Rupees 370-13-2. Of the seventeen irrigation works, thirteen were completed. No allotments were made for the works during the year.

27. *State of Season.*—The season was very unfavorable. Cholera, small-pox, and other epidemic diseases were very severe and carried away many lives. Little or no rain fell during the whole year, the north-east monsoon having been a complete failure. As a consequence no freshes came down the river Pennair. The tanks received little or no supplies. A time of drought and famine, which still prevails, began last August. Want of food has caused terrible mortality in spite of the efforts of Government. Nearly two-thirds of the cattle have perished from disease and want of fodder.

28. *Prices.*—The prices of all food grains were very high, and during the last six months famine rates prevailed, the cause being that there was little or no cultivation throughout the district, and that the Ceded Districts were supplied in part from Nellore.

29. The usual statement of mileage on roads is enclosed. Subjoined is the abstract of the same.

	Miles.
Great Northern Road	179
Road from Ongole to Cumbum	62
Road from Kistnapatnam via Nellore to Cuddapah	73
Road from Oollapalem to Cumbum via Vemulapad Pass	60
District roads	316
Total	690

30. Reports on Public Works due from the Divisional Officers have been received only from the Acting Sub-Collector and the Head Assistant Collector.

The reports generally are favorable to the Public Works Department, and they show that the communications in the divisions to which they relate are generally in good order. Some minor points deserve notice, but the District Engineer's attention has been called to the matter. In conclusion I have to state that as I took charge of the district on the 8th March, I am unable to record any opinion from personal knowledge either as to the nature of the work done by the Public Works Department or the efficiency of the members of the department serving in this district.

The Board note that irrigation outlay, usually an important item in this district, showed a decrease between last year and this, irrigation new works being Rs. 1,06,911 in 1876-77 against Rupees 1,45,811 in 1875-76, and irrigation repairs being similarly Rupees 74,883 against Rupees 85,342.

2. Rupees 16,256 were expended on the Survapalli Project, Rupees 13,311 of this being handed to the Revenue Department as compensation for lands.

3. Rupees 22,627 were expended on the extension of the Pennair Anicut. This work is almost completed.

4. The expenditure on the East Coast Canal (now the Buckingham Canal) was Rupees 1,152 only. The outlay up to date was Rupees 2,85,627 against an estimate framed for Rupees 2,87,000.

5. The Revenue Department undertook no works.

6. The following statement exhibits grants as compared with allotments under the three budgets:—

Heading.	Allotment.	Expenditure.	Percentage.
IMPERIAL.			
	RS.	RS.	RS.
Irrigation	1,09,672	1,06,911	97.5
Repairs	79,839	74,883	93.8
Communications	6,670	6,631	99.4
Total	1,96,181	1,88,425	96.0
PROVINCIAL.			
Communications	1,51,881	1,74,690	115.0
Buildings	2,700	2,136	79.1
Total	1,79,020	2,18,541	122.1
LOCAL FUNDS.			
Communications	8,307	41,617	500.9
Repairs	3,204	79,027	2466.5
Educational	1,654	1,213	73.3
Sanitary and Miscel- laneous	45	...	...
New Works	8,653	14,543	168.1
Repairs	2,159	1,982	91.3
Total	24,022	1,38,382	576.1
Grand Total	3,99,223	5,45,348	136.6

(A true Copy and Extract.)

Am. Krishna

Additional Sub-Secretary.

To the Secretary to Government, Public Works Department,
with three original statements to be returned.

Copy to the Collector of Nellore.

" to the Secretary to Government, Revenue Department.

Ed. W. J. Lewis.

Revenue Officer

No 4441

1877.

BOARD OF REVENUE,
MADRAS.

PROCEEDINGS, 15TH SEPT. 1877, No. 4,324.

Encl.

Deputy Collector

Received

18.8.77

SEPTEMBER.

No. 4,324.

Public Works—executed in Nellore District during 1876-77.—Reviewing Collector's report on—.

18.8.77

Deputy

18.8.77