M.R.O. 1—77,000-8-6-57.

(1). Number of pages 22

(2) Date of repair 57

(3) Initials of the Reference

MADRAS RECORD OFFICE.

Government of Madras.

Public (Cons.) DEPARTMENT.

G.O. No. 2347 Press Mis. ...
620-624

Dated 26-10- 19 64

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department, 26th October 1866.

No. 620. Read the following Proceedings of the Board of Revenue, dated 12th October 1866, No. 7,356:—

Read the following letter from the Collector of North Arcot, to the Secretary to the Board of Revenue, dated Chittoor, 20th September 1866, No. 272.

1. I have the honor to submit my Report upon the operations of the Public Works Department, during the official year 1865-66.

2. The subjoined abstract statement shows the expenditure incurred during the year under report, as compared with the outlay during the previous season:—

Works.	Expenditure in 1864-65.	Expenditure in 1865-66.	Difference.		Estimate of 1865-66.
			Increase.	Decrease.	
New.	Rs.	Rs.	Rs.	Rs.	Rs.
Irrigation	84,824	34,372	.....	47,452	55,647
Communication	41,772	4,306	.....	37,466	14,150
Buildings	13,484	6,740	.....	6,744	6,500
	1,37,080	45,418	.....	91,662	76,297
Repairs.					
Irrigation	71,654	68,967	.....	2,687	61,000
Communication	49,083	55,177	6,094	.....	58,072
Buildings	4,235	4,846	611	.....	7,874
	1,24,972	1,28,990	6,705	2,687	1,26,946
Total ...	2,62,052	1,74,408	6,705	94,349	2,03,243
Net Decrease ...	.....	.....	.....	87,644	.....

3. *Irrigation Works, New.*—Thus, in the two first items, under head "New Works," the expenditure falls far short of the sums sanctioned on estimate. I have no means of forming an opinion as to how this has arisen, but cannot call the result satisfactory, and least so in respect of new irrigation works, where so much yet remains to be done towards bringing, to their full measure of usefulness and profit, the subsidiary channel works connected with the three great anicut projects.

4. Of the new irrigation works, thus executed at a cost of Rupees 34,372, the most important are the following:—

First, the strengthening of the Palar Anicut by additions to the apron; *second*, the further extension and improvement of the network of channels leading from the Ponne, Palar, and Cheyar Anicuts. The amount spent on each of these single group of operations is specified in the margin. The storms in the last week of November and 1st of December did infinite damage to many of our works of irrigation, breaching numerous tanks, sweeping away the new masonry works of the Ponne Anicut, and completely demolishing two valuable dams across the Kamandala river, a principal affluent of the Cheyar. The new masonry works on the Ponne Anicut have since been restored, and have stood well, thus far, the recent freshes in the river. An estimate, amounting to Rupees 31,700, has been framed for constructing a single dam across the Kamandala river, at the spot where the higher of the two dams, swept away last year, stood with certain improvements

	Rs.
Palar Anicut	10,596
Cheyar do.	5,997
Ponne do.	5,708

which, it is thought, will render the restoration of the second or lower dam superfluous. The destruction of these two dams has seriously aggravated the distress every where prevalent throughout the Polur Táluq, and I have, therefore, not hesitated to allot Rupees 3,500, for the purpose of starting the new works, as a means of employing the able-bodied poor, in anticipation of the funds about to be asked for, under the order of Government dated the 25th July 1866.

5. The balance of the Budget allotment, viz., Rupees 12,071, was spent on minor works. Of these, the more important are named below :—

	Amount of estimate.	Amount expended during the year.
	RS.	RS.
Widening and deepening the Poloor supplying channel	2,200	1,450
Constructing do. sluice and cutting channel from Palar Anicut to Chakramalloor tank	8,300	170
Constructing calingulah to Nelly tank	600	557
Doosy main channel	1,983	105
Cutting channel from south sluice of Mahendravadi tank, Narayentangal tank, and constructing under-sluice	4,900	941
Improving and completing the Thackolam channel	3,400	317
Completing the south calingulah surplus channel of Mahendravadi tank	5,000	1,500
Constructing a flood calingulah in the north bank of Thackolam channel	1,100	1,100

From this list, it will be seen that the greater part of the estimated cost of these works was spent during the previous year, and this will explain why the year's expenditure which I am reviewing fell so far short of that incurred in the preceding year.

6. *Irrigation Repairs.*—A sum of Rupees 68,967 was laid out on irrigation repairs. This will ever be a heavy, as it is an all-important, item of expenditure in this District, where the revenue so greatly depends on the good order of the numberless tanks with which it is studded. A list of the principal items of repair is enclosed. This expenditure is less by Rupees 2,697 than that of the previous year. This I ascribe to the same cause as that which has reduced so largely the expenditure on new works of irrigation for the year under report, as compared with the amount spent on similar works in the preceding season.

7. The subjoined statement shows the progressive growth of revenue under the three anicuts during the year under report :—

Anicuts.	Táluqs.	Increase of Revenue.		
		Up to Fusly 1274.	In Fusly 1275.	Total.
		RS. A. P.	RS. A. P.	RS. A. P.
Palar Anicut	Wallajah...	9,344 3 2	111 14 2	9,456 1 4
	Arcot	35,552 15 3	905 6 2	36,458 5 5
		44,897 2 5	1,017 4 4	45,914 6 9
Ponne do.	Wallajah...	10,924 15 2	995 2 11	11,920 2 1
Cheyar do.	Wandawash	40,395 4 4	5,468 13 7	45,864 1 11

8. I may observe of the Ponne group of works that they were not efficient during the best part of the year for the reasons noticed in paragraph 4 of this letter; nor am I at all certain that the District gets its full share of the advantages of the Palar group of works, as the scour of the great channel on the north bank of the river is direct on the head sluice of the Maclean channel, and the bulk of the water is thus carried past the Caveripauk head sluice to the Madras District. The distribution of the water at these two head sluices is an ever recurring source of complaint with the large agricultural villages lying under the Caveripauk tank.

9. Under the head Irrigational, our principal requirements are these :

First.—The extension of the network of channels, leading from the "Palar" and "Cheyar" Anicuts, on the southern bank of either river.

Second.—The construction of another anicut across the latter of these rivers (Cheyar) either at a point east of Arni, a project which finds favor with the Superintending Engineer, or at Yellattoor, in the Polur Táluq, where the Cheyar river is joined by its principal affluent from the Javadi hill range. I have ridden over much of the ground, on either bank of the river, at this point of confluence, and believe that, for a comparatively moderate expenditure, a most remunerative work might be constructed, feeding a long series of fine tanks placed at most convenient levels. This would provide, with a certain supply of water, a Táluq which has suffered grievously from drought ever since Railway operations were brought into the valley of the Palar, when its fine hill slopes were denuded of timber, for sleepers and other purposes of the line. In this same Táluq (Polur) is the other group of irrigational works, alluded to in paragraph 4 of this letter. In connection with the restoration of the dam, the channel and series of tanks fed by it stand in urgent need of repair and improvement. These are all in a deplorable state, and the loss of revenue has been very great. Having already denounced departmental mismanagement, in respect of this group of all important works, I need not say more in this place, than observe that the operations already set a foot out of special funds promised in Proceedings of Government, dated 25th July, should be energetically prosecuted in view, if possible, to their completion within the current year.

10. In proof of what I have so often urged in respect of the necessity of a more liberal provision for public works of all kinds in this District, I may mention that, of the estimates forwarded by the Department of Public Works for my counter-signature, there are now lying in my Office, awaiting provision, estimates amounting to some 1¼ lakh of Rupees. A list of these estimates is appended. With my letter of the 11th ultimo, No. 224, I forwarded, at the Board's requisition, a selected list of the more important of these works of irrigation. These, and many others, demand our early attention, and I should be glad indeed to think that the state of the public finances admitted of their being taken up at an early date, in the order of their urgency.

11. *New Communications.*—The expenditure incurred in the formation of new roads during the year, is considerably under the outlay of the previous season, amounting only to Rupees 4,306. This is explained by the fact, that only the two small works given in the margin were undertaken.

	RS.
1. Road from Nageri to Nageri Railway Station...	830
2. Re-constructing a bridge on Trunk Road No. 1, near Alankuppam	3,476

Trunk Road No. I.
Do. ,, X.
Branch Road.
Trunk Road No. XL.
Road from the Town to the Railway Station of Trivalam.
Do. from Railway Station of the junction of Trunk Road No. X.
Do. from Melpatti Railway Station to Saighur.
Do. ,, Pullicouda to Gudiatam.
2nd Class Road No. VII. from Pathalpat to Karvambadi.
Road from Puthur to Nagalapuram.
Do. Nagari to Karvambadi and Balpalli, No. XIII.
Do. from Puthur to Pallipat.
Do. ,, Vellore to Arni.
Do. ,, Ranipet to Arcot.
Do. ,, do. to Walajah.
Do. ,, Arcotnam to Trunk Road No. I.
Do. ,, Tirtani to Arcot Kuppam.
Do. ,, do. to Ranganathanagarett.
Do. ,, Karvipank to Sholinghur Railway Station.
Do. from Sholinghur to do.
Do. ,, Arcot Railway Station to junction of road from Wallajapet to Perumandi.
Do. from Ponne to Arcot Railway Station.
Do. ,, Arcot to Arni.

along the whole network of local roads. Owing to the necessity of providing employment for unskilled labor, some works of this latter kind, allotted for execution during the current season, may have to stand over; but if the circumstances of the District permit, I propose making a large allotment in my next Local Fund Budget for such skilled work. I should have added to my list of requirements, under the head of Communications, the completion of the three principal roads through the sub-division connecting us with the South Arcot group at Tindevanam, Ginjee, and Trinamalli. These are so important in themselves, and lying, as they do, through the most distressed part of the District, so desirable as a means of employing the able-bodied poor, that operations are already in activity along all of them, in anticipation of provision being available out of the special funds already alluded to.

12. *Repairing Communications.*—On the repair of roads, Rupees 55,177 were laid out during the year. This expenditure represents the total annual maintenance allowance made to the several roads named in the margin; it was laid out to good purpose on the several Trunk and other Imperial roads of the District. I have had opportunities of inspecting in person most of these roads, and was pleased at finding a very marked improvement in all of them, particularly in the great thoroughfare between this and the Vellore Railway Station.

13. Under this head, the most important wants are the improvement of the Mugli Ghaut on the high road to Bangalore; the completion of the new gradients on the Synagunta pass leading down on Gudiatam; and the construction of the necessary masonry works

14. *New Buildings.*—A sum of Rupees 6,740 was spent in the construction of new buildings during the year. Of these, the Civil Dispensary building, at Chittoor, is the most important. This is still in progress, and the amount laid out on it up to the end of the year is Rupees 3,200. The buildings named in the margin, referred to in my last report, were all completed during the year under review.

Additions to the Huzur Treasury building.
Pungamur Sub-Magistrate's Cutcherry and Police Station.
Subsidiary Jail at Palmanair.

15. I greatly regret the delay which has taken place in submitting this report, but I have been so incessantly engaged, during the past two months, in putting relief measures in motion, with largely increased Magisterial work, and my other general duties, that I have found no leisure to put these statistics into earlier form.

Enclosure No. 1.

Abstract.—List of Estimates received from the Superintending Engineer, and retained in the Collector's Office unsanctioned, owing to want of funds.

Enclosure No. 2.

Abstract.—List of irrigation works repaired by Public Works Department, during the official year 1865-66.

1. Ordered that the foregoing report be submitted for the information of Government.

2. It appears, from the statement appended to paragraph 2, that the expenditure on public works in North Arcot, in the year under report, was 87,644 Rupees less than the outlay of the previous year, the expenditure under all heads, in 1864-65 and 1865-66, being 2,62,052 Rupees and 1,74,408 Rupees, respectively.

3. The Board do not quite understand paragraph 3 of the Collector's report. When he remarks that the outlay on New Irrigation Works and Communications fell "far short of the sums sanctioned on estimate," it is not clear whether he refers to the amounts of the sanctioned estimates, or to the Budget provision for the year on each of those estimates. Because Government sanction an estimate for a work, it by no means follows that the expenditure is sanctioned without reference to the Budget provision. If, however, as is probably the case, the Collector means to say that the actual expenditure fell far short of the Budget provision for the year, then his remarks in paragraph 3 would appear to call for the special attention of Government.

4. The Board would also beg attention to the Collector's remarks in paragraphs 8 and 9, in respect to the District of North Arcot losing its full share of the advantages of the Palar works; the distribution of water at the Maclean channel and Caveripauk head sluices; the expediency and practicability of constructing, at moderate expense, another anicut across the Cheyar either in the vicinity of Arni or at Yellatoor; and the miserable condition of the irrigation works affected by the demolition of the Kamandala dams.

5. The subjects discussed in paragraph 13 would have properly found a place in the Collector's Local Fund Report.

No. 621. Order thereon, 26th October 1866, No. 3,419.

ESTABLISHMENT, No. 52.

1. Communicated to the Superintending Engineer of the 4th Division.

2. With reference to paragraph 2 of the Board's Proceedings, the Government observe that as in the year 1865-66 the original assignment for Public Works in this Presidency was considerably curtailed, it became necessary to reduce the appropriations in the Budget to the extent of nearly seven and a half lacs of Rupees, and owing to this reduction, allotments, aggregating Rupees 55,647, for works in North Arcot, were withdrawn; and this coupled with the fact that a grant of Rupees 33,583 was made in

Rupees 19,700. For extending irrigation under the Cheyar Anicut.
,, 35,947. For works connected with the Ponne project.

Talamalett Tank - - -

the previous official year for the completion of certain works which were in progress in connection with the Palar Anicut on an estimate of Rupees 6,52,871, sufficiently accounts for the disproportion which the Board notice in the expenditure of the two years.

3. Colonel Boileau will report on paragraph 3 of the Board's Proceedings, and submit a statement of the allotment and expenditure on new irrigation works and communications during the year 1865-66, explaining, if necessary, the reasons which prevented the whole of the Budget grant being appropriated.

4. Colonel Boileau's attention will be drawn to paragraph 4. He will observe from Proceedings No. 3,402, dated 24th October 1866, that an application has been made to the Government of India for establishments to be employed on the investigation of irrigation projects in the 4th Division.

(True Extract.)

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

To the Superintending Engineer, 4th Division.
,, Board of Revenue, with one Enclosure.
,, Revenue Department.

Exd. J. Tulloch.

No. 7,356.

PROCEEDINGS OF THE BOARD OF REVENUE, dated 12th October 1866.

Read the following letter from J. D. ROBINSON, Esq., Collector of North Arcot, to the Secretary to the Board of Revenue, dated Chittoor, 20th September 1866, No. 272:—

1. I have the honor to submit my Report upon the operations of the Public Works Department, during the official year 1865-66.

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			Increase.	Decrease.	
	Rupees.	Rupees.	Rupees.	Rupees.	Rupees.
New.					
Irrigation	81,824	34,372	.....	47,452	55,647
Communication	41,772	4,306	.....	37,466	14,150
Buildings	13,484	6,740	.....	6,744	6,500
	1,37,080	45,418	.....	91,662	76,297
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Total ...	2,62,052	1,74,408	6,705	94,349	2,63,243
Net Decrease ...	.....	.....	.....	87,644	.....

3. *Irrigation Works, New.*—Thus, in the two first items, under head "New Works," the expenditure falls far short of the sums sanctioned on estimate. I have no means of forming an opinion as to how this has arisen, but cannot call the result satisfactory, and least so in respect of new irrigation works, where so much yet remains to be done towards bringing, to their full measure of usefulness and profit, the subsidiary channel works connected with the three great annicut projects.

4. Of the new Irrigation works, thus executed at a cost of Rupees 34,372, the most important are the following:—

First, the strengthening of the Palar annicut by additions to the apron; *second*, the further extension and improvement of the network of channels leading from the Ponne, Palar, and Cheyar annicuts. The amount spent on each of these single group of operations is specified in the margin. The storms in the last week of November and 1st of December did infinite damage to many of our works of irrigation, breaching numerous tanks, sweeping away the new masonry works of the Ponne annicut, and completely demolishing two valuable dams across the Kamandala river, a principal affluent of the Cheyar. The new masonry works on the Ponne annicut have since been restored, and have stood well, thus far, the recent freshes in the river. An estimate, amounting to Rupees 31,700, has been framed for constructing a single dam across the Kamandala river, at the spot where the higher of the two dams, swept away last year, stood with certain improvements which, it is thought, will render the restoration of the second or lower dam superfluous. The destruction of these two dams has seriously aggravated the distress every where prevalent throughout the Polur taluk, and I have, therefore, not hesitated to allot Rupees

	Rs.
Palar Annicut	10,596
Cheyar do.	5,997
Ponne do.	5,708

Lalampett Tank ---------- 650 - - 330 " "

3,000, for the purpose of starting the new works, as a means of employing the able-bodied poor, in anticipation of the funds about to be asked for, under the order of Government dated the 25th July 1866.

5. The balance of the Budget allotment, viz., Rupees 12,071, was spent on minor works. Of these, the more important are named below :—

	Amount of estimate.	Amount expended during the year.
	Rs.	Rs.
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Constructing do. Sluice and cutting Channel from Palar Annicut to Chakramalloor Tank	8,300	170
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Doosy Main Channel	1,983	105
Cutting Channel from South Sluice of Mahendravadi Tank, Naraventangal Tank, and constructing Under-Sluice...	4,900	941
Improving and completing the Thackolam Channel ...	3,400	317
Completing the South Calingulah Surplus Channel of Mahendravadi Tank	5,000	1,500
Constructing a Flood Calingulah in the north bank of Thackolam Channel	1,100	1,100

From this list, it will be seen that the greater part of the estimated cost of these works was spent during the previous year, and this will explain why the year's expenditure which I am reviewing fell so far short of that incurred in the preceding year.

6. *Irrigation Repairs.*—A sum of Rupees 68,967 was laid out on Irrigation repairs. This will ever be a heavy, as it is an all-important, item of expenditure in this district, where the revenue so greatly depends on the good order of the numberless tanks with which it is studded. A list of the principal items of repair is enclosed. This expenditure is less by Rupees 2,697 than that of the previous year. This I ascribe to the same cause as that which has reduced so largely the expenditure on new works of irrigation for the year under report, as compared with the amount spent on similar works in the preceding season.

7. The subjoined statement shows the progressive growth of revenue under the three annicuts during the year under report :—

Annicuts.	Taluks.	Increase of Revenue. Up to Fusly 1274.			In Fusly 1275.			Total.		
		Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.
Palar Annicut	Wallajah...	9,344	3	2	111	14	2	9,456	1	4
	Arcot	35,552	15	3	905	6	2	36,458	5	5
		44,897	2	5	1,017	4	4	45,914	6	9
Ponne do.	Wallajah	10,924	15	2	995	2	11	11,920	2	1
Cheyar do.	Wandawash	40,395	4	4	5,468	13	7	45,864	1	11

8. I may observe of the Ponne group of works that they were not efficient during the best part of the year for the reasons noticed in paragraph 4 of this letter; nor am I at all certain that the district gets its full share of the advantages of the Palar group of works, as the scour of the great channel on the north bank of the river is direct on the head sluice of the Maclean channel, and the bulk of the water is thus carried past the Caveripauk head sluice to the Madras district. The distribution of the water at these two head sluices is an ever recurring source of complaint with the large agricultural villages lying under the Caveripauk tank.

9. Under the head Irrigational, our principal requirements are these :

First.—The extension of the network of channels, leading from the "Palar" and "Cheyar" annicuts, on the southern bank of either river.

Second.—The construction of another annicut across the latter of these rivers (Cheyar) either at a point east of Arni, a project which finds favor with the Superintending Engineer, or at Yellattoor, in the Polur taluk, where the Cheyar river is joined by its principal affluent from the Javadi hill range. I have ridden over much of the ground, on either bank of the river, at this point of confluence, and believe that, for a comparatively moderate expenditure, a most remunerative work might be constructed, feeding a long series of fine tanks placed at most convenient levels. This would provide, with a certain supply of water, a taluk which has suffered grievously from drought ever since Railway operations were brought into the valley of the Palar, when its fine hill slopes were denuded of timber, for sleepers and other purposes of the line. In this same taluk (Polur) is the other group of irrigational works, alluded to in paragraph 4 of this letter. In connection with the restoration of the dam, the channel and series of tanks fed by it stand in urgent need of repair and improvement. These are all in a deplorable state, and the loss of revenue has been very great. Having already denounced departmental mismanagement, in respect of this group of all important works, I need not say more in this place, than observe that the operations already set afoot out of special funds promised in Proceedings of Government, dated 25th July, should be energetically prosecuted in view, if possible, to their completion within the current year.

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11. *New Communications.*—The expenditure incurred in the formation of new roads during the year, is considerably under the outlay of the previous season, amounting only to Rupees 4,306. This is explained by the fact, that only the two small works given in the margin were undertaken.

	Rs.
1. Road from Nagari to Nagari Railway Station	830
2. Re-constructing a Bridge on Trunk Road No. I, near Alankuppam	3,476

12. *Repairing Communications.*—On the repair of roads, Rupees 55,177 were laid out during the year. This expenditure represents the total annual maintenance allowance made to the several roads named in the margin; it was laid out to good purpose on the several trunk and other imperial roads of the district. I have had opportunities of inspecting in person most of these roads, and was pleased at finding a very marked improvement in all of them, particularly in the great thoroughfare between this and the Vellore Railway station.

Trunk Road No. I.
Do. ,, X
Branch Road.
Trunk Road ,, XI.

Road from the town to the Railway station of Trivalam.
Do. from Railway station of the junction of Trunk Road No. X.
Do. from Melpati Railway station to Satghur.
Do. from Putticonda to Gudiatam.
2nd Class Road No. VII. from Puthalput to Karcambadi.
Road from Puthur to Nagalapuram.
Do. Nageri to Karcambadi and Ralpalli, No. XIII.
Do. from Puthur to Palliput.
Do. from Vellore to Arni.
Do. from Ranipet to Amoor.
Do. from do. to Wallajah.
Do. from Arcotum to Trunk Road No. I.
Do. from Tirtani to Arcot Kuppam.
Do. from do. to Ramakrishnarajpett.
Do. from Kaveripauk to Sholinghur Railway station.
Do. from Sholinghur to do.
Do. from Arcot Railway station to junction of road from Wallajapet to Perancanji.
Do. from Ponne to Arcot Railway station.
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13. Under this head, the most important wants are the improvement of the Mugli Ghat on the high road to Bangalore; the completion of the new gradients on the Synagunta Pass leading down on Gudiatam; and the construction of the necessary masonry works along the whole network of local roads. Owing to the necessity of providing employment for unskilled abor, some works of this latter kind, allotted for

Halampett Tank ... ... 650 ... 330 ...

execution during the current season, may have to stand over; but if the circumstances of the district permit, I propose making a large allotment in my next Local Fund Budget for such skilled work. I should have added to my list of requirements, under the head of communications, the completion of the three principal roads through the Sub-division connecting us with the South Arcot group at Tindevanam, Ginjee, and Trinamalli. These are so important in themselves, and lying, as they do, through the most distressed part of the district, so desirable as a means of employing the able-bodied poor, that operations are already in activity along all of them, in anticipation of provision being available out of the special funds already alluded to.

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Additions to the Huzur Treasury Building.
Punganur Sub-Magistrate's Cutcherry and Police station.
Subsidiary Jail at Palmanair.

The buildings named in the margin, referred to in my last Report, were all completed during the year under review.

15. I greatly regret the delay which has taken place in submitting this Report, but I have been so incessantly engaged, during the past two months, in putting relief measures in motion, with largely increased Magisterial work, and my other general duties, that I have found no leisure to put these statistics into earlier form.

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Abstract.—List of Estimates received from the Superintending Engineer, and retained in the Collector's office unsanctioned, owing to want of funds.

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2. It appears, from the statement appended to paragraph 2, that the expenditure on Public Works in North Arcot, in the year under report, was 87,644 Rupees less than the outlay of the previous year, the expenditure under all heads, in 1864-65 and 1865-66, being 2,62,052 Rupees and 1,74,408 Rupees, respectively.

3. The Board do not quite understand paragraph 3 of the Collector's Report. When he remarks that the outlay on New Irrigation works and Communications fell "far short of the sums sanctioned on estimate," it is not clear whether he refers to the amounts of the sanctioned estimates, or to the Budget provision for the year on each of those estimates. Because Government sanction an estimate for a work, it by no means follows that the expenditure is sanctioned without reference to the Budget provision. If, however, as is probably the case, the Collector means to say that the actual expenditure fell far short of the Budget provision for the year, then his remarks in paragraph 3 would appear to call for the special attention of Government.

4. The Board would also beg attention to the Collector's remarks in paragraphs 8 and 9, in respect to the district of North Arcot losing its full share of the advantages of the Palaur works; the distribution of water at the Maclean channel and Caveripauk head sluices; the expediency and practicability of constructing, at moderate expense, annother anicut across the Cheyar either in the vicinity of Aroee or at Yellatoor; and the miserable condition of the irrigation works affected by the demolition of the Kamandala dams.

5. The subjects discussed in paragraph 13 would have properly found a place in the Collector's Local Fund Report.

(A true Copy and Extract.)

Secretary.

To the Secretary to Government, Public Works Department,
with two estimates.
" the Secretary to Government, Revenue Department.

Copy to the Collector of North Arcot.

Lxd. J. Wright.

Pedianyi Tank ---------- 737 " " 651 " "

Puthalampatt Tank ---------- 650 " " 330 " "

List of Irrigation works in the Salem District under the Public Works Department during the official year 1865-66.

Description of work	Amount of Estimate.	Amount expended during the year	Remarks
Vellore Condaur	2000	1200	
Alliakad Do.	3,300	1660	
Pelur Tank	1300	900	
Bandie Tank	1200	795	
Vellore Sluice channel	650	417	
Alliakad Sluice channel	1220	847	
Streperumbamangalam Tank	630	630	
Kafalur Tank	4380	2898	
Maravoor Tank	488	488	
Kalor Large Tank	1500	1108	
Noreoor Tank	1600	486	
Cothanur 1st class Tank	3150	1847	
Sedy Tank	1600	439	
Tennathoor Tank	1700	266	
Pajanery Tank	500	23	
Pallikondah Tank	2000	244	
Papery large Tank	520	238	
Cadiayi Tank	731	651	
Cuthalampetti Tank	650	330	

Dated 12th October 1866.

No. 7,956.

Proceedings with regard to [illegible]

PROCEEDINGS OF THE BOARD OF REVENUE.

No.

Department.

1865.

Aranalore and Cavanoor channel	650	645
Channel from Nadinayakan tangle to Chennadanudrum	870	649
Cadapantangle large tank	850	448
Erodoor large tank	1380	1051
Mapalli 2d class Tank	520	106
Patnam 1st class Tank	780	570
Viraganall 1st class Tank	540 / 600	72 / 264
Arzonda Dasabandum Tank	540	253
Sholanair spring channel	510	293
Pasamatur River channel	530	210
Vapoor 1st class Tank	1600	630
Kutanur Tank	1510	300
Kanampet Tank	920	300
Narkalkuppum Tank	655	100
Vapangarery Tank	800	100
Avalur Tank	2250	1250
Orumachi Tank Do	670	200
Amanur Vadakeri Tank	740	592
Pondi large Tank	2860	1994
Pellambakam spring channel	1510	294
Satambakam Do	1300	1300

Indiraranam Govindacheri Do Tank	2360	2360
Sholalum Kalleri Tank	660	660
Sholalum large tank	1300 / 4000	1300 / 3000
Nainamangalam Tank	1450	1450
Perradadi Puthur Tank	680	680
Katipakam Payaneri Tank	525	525
Perungadcheri Tank	1100	836
Filling Tercaehes in the Tank of Periney and the Southern channel	600	600
Vaikayanur channel	610	610
Vedaladi Tank	560	560
Kundrapakam large Tank	580	576
Neipalle Veddakalva spring channel	560	560
Shondaveda Yugava spring channel	616	616
Padi tank	710	703
Ballacherpalli Tank	785	781
Pady Veneti channel	575	573
Shondaveda Yeliyagunta channel	692	691
Avelala Yedutthumula channel	1380	1379
Agzelamandiam Nagara Yeliagunta and Eddu spring channel	1020	1020
Nagapatla anikat across the Pinnanadhi river	600	600

Amanthagurucoppa [illegible]
" Spring Channel } 750 " " 750 " "

Pulliagaripalli Gnanasamma
Channel } 1541 " " 1541 " "

De ayacalva " Spring Channel ——— 1500 " " 1500 " "

~~6687 " " 5984 " "~~

North Arcot
Collector's office
Chittoor 20th September 1866

Collector

No 2.

In a letter from the Collector of North Arcot to the Secretary to the Bd of Revenue dated 20th September 1866 No 272.

P 8th Feby 67

L. No 8505 to 9186.

List of Irrigation works repaired by Public works Department during the Official year 1865/66.

From 26th October 1865 to 26th 620

List of Estimates received from the Superintending Engineer Retained in the Collectors Office and sanctioned owing to want of funds.

Taluq	Name of work	Amount of Estimate
Cheyaur 1865/66	Constructing a sluice of 10 yards long to Conjeeveram tank	Rs 200
Cheyaur Conjeeveram 1865/66	Widening & deepening the Begum Cabrah Spring Channel &c	465
	Repairing the Perumana Cabrah Spring channel	753
	Perumana Cabrah Spring channel	306
	Mongah Cabrah do do	188
	Sholee do do	330
	Cheruna Gollaroo do	243
	Pennyperroo do do	341
	Sathery Cabrah	99
	Ramasamy Jack	880
	Veedoor Spring Channel	275
	Gungah Cabrah Spring Channel	277
	Goorradoor do	710
	Vellamoor Cabrah	508
	Ramapa Coosum Spring Channel	570
	Perumana Cabrah do	1080
	Sakaree Spring Channel	680
	Nallan Jack	137
	Venkatadry Siru Cabrah	690
Chingleput Cheyaur	Elavanda Cabrah	670

	Sonthoor Caluvaik —	896
	Thendoocalluvoo Do —	700
	Jungamvaik Do —	900
	Pennachavi Do —	610
	Thogawa Commaragumdoo Caluvaik —	1110
	Jatta Caluvaik —	300
	Ippamanèpallada Vandeatta Caluvaik	280
	Vullalchenepalle Lauk —	205
	Do Do Sluice —	170
	Do Do Calingala —	240
1863/64	Iyah Caluvaik —	1137
1863/64	Pachavannaik Caluvaik —	1095
	Negapatnam Dyke —	600
	Mungah Caluvaik Spring Channel	559
	Pentha Caluvaik Do —	560
	Castoo Do Do —	1082
	Godathanum Iyalaik Gumba —	310
1864/65	Iyah Caluvaik —	1,500
	Do to Vandum Do —	750
1864/65	Pachavannaik Caluvaik	1,541
	Coopoo Caluvaik —	150
	Closing the breaches of Nakalavanka and Chinnavanlatta —	400
	Thogawa Gollavoni Caluvaik —	570.
Godathum	Vorvenkangle large Lauk —	666
	Nungery Do —	1231
	Repairing the bund of Arunavancoop Lauk	420
	Do Vepur Spring Channel —	350.
	Do 1st Class Vissa Lauk of Cheru-vanky Do	2,750
	Repairing Calingalu in the east Channel of Podiyavanadugu	184.
Vellore	2 Sluices to Mahomed Juram Saga-Lary Lauk —	230.
	Sholler 2d Class Lauk —	1260.
	Bund of Mahomed Juram Sagabary Lauk	690.
	Calingala of Sholler Lauk —	680
	Sluice to Do —	240.
	Spring Channel of Vattiyavanangalam —	300
	Do Arasavanlatham —	570.
	Bund of Palair Lauk	140
	Pongavanapoom 2d Class Lauk —	550
	Agaram Lauk —	800
	Vaniyambadi Calingala —	430
	Sluice to Palair Lauk —	70
	Sluices to Agaram Lauk —	520
	Chettery 3d Class Lauk —	40
	Vadapalayam Channel from Palair River to Cattupperry Lauk	6,600
	Copper Lauk Calingalah —	450
	Sluice to Aryan 1st Class Lauk	230.
	Sluice to the Chettery Lauk —	100
	Vaniyambadi Ady Pond Channel	330
	Sluice to the Do Ady Lauk —	160
	Sluice to Copoor Lauk	190
	Do to Cattupperry Lauk	750
	Chedavadi 1st Class Lauk —	2,050
	Sluice to Do —	170
	Agaram Pariar Lauk —	770
	Agaram Cherry Chettery Lauk & Channels	165
	Sluice to Do Do —	70

	Vaduvancum Palugya Supply Upper channel	125
	Coidoru to Allapuram Bank	1650
	Pallicunda large Bank to Colugalab	360
	New Surplus from the Colugalab of Pallikunda large Bank	540
	Dargathur Supplying channel	140
	Sluice to Ellamcum body 3d Class Bank	160
	Bather Bank Bund	250
	Repairing Colugala of Pallikunda Bank	2000
	Do Anicut 1st Class Do	1020
	Sluice on the Bund of Vadavaricumbady River channel	640.
Polur	Jadathery Coopum 2d Class Bank	580
	Kattagaram Polur Chettery 3d Do	90
	Kodoor Polur 2d Class Bank	700
	Kongavyacondal 3d Do Do	170
	Devenady Bank Sluice	53
	Bund of Curalpattam Bank	385
	Sluice to Pallipat Bank	53.
	Do to Sengapathery Do	53.
	Janacondy 3d Class Bank	220
	Bund of the Sangapathery Bank	265
	Colugala to Velvarayanellore Do	80
	Do to Velvadi Do	80
	Sluice to Do	220
	Do to Allyanagen 2d Class Bank	190
	Bund of the Pallur 2d Do	1,300
	Sluice to Devendal Do	190
Vindavasi	Do to Pachampal 3d Do Do	53
	Do to Pagavan large Bank	150

	Bund of the Pallur Vayanar Bank	1,50
	Do Thegur large Bank	1,100
	Do Pallur 3d Class Do	760
	Sluice to the Do	150
	Bund of Vayanar 3d Do	1,80
	Sluice to Vayanar Do	53
	Bund of the Venimangalam Bank	655
	Sluice to Do	482
	Bund of Ayellangadoo 2d Class Do	1,070
	Sluice to Nadungaram Bank	210
	Vandavasi Tank & Condum	1,150
	Vallagum Cattam Pary Bank Bund	350
	Colugala of Enambadoo large Bank	200
	Supplying Channel Do	1,200
	Colugala to Vallangadoo small Do	190
	Sluice to Do	150
	Colugala Do	820
	2 Sluices to Ayellangadoo Do	660
	Sluice to Attery Bank	325
	Bund of Attery Bank	1,970.
Arcot	Arumbakkam large Bank Sluice	200
	Cheruvarancadum branch Channel	230
	Maduram large Bank Channel	3,160
	Pallavaram 3d Class Bank	210
	Soorambary 2d Do Do	600
	Bund of Pundee Anicut Bank	240
	Do Pundee Do	520
	Do Arcot Anicut Do	190
	Do Kurthambady Do	240
	Do Cothandy Do	930
	Do Coulour Do	690
	Do Doman Anicut Do	150
	Do of Vellyanoor & Serooralayanoor Kista Bank	70

Bund of Sathur 1st Class Road	1820
Donnarapettah Road Bund	1380
Arrakaranapalle Do	180
Bund of Beroo Rien Rangle	80
Do Valoor Road	240
Do Kalaweedy Do	730
Kaliyagala of Doreeabary Road	330
Aluvi to Carawan Rangle Do	190
Condaw in the Bund of Calaw Road Irrigating Channel	340
Aluvi to Walagamedilam Road	230
Aluvi to Do	700
Do to Arrakaranpalli Road	190
Condaw to Arrakaranpalli River channel	680
Aluvi to Rodooyeri Road	160
Do to Karawade Do	220
Do to Pathageri Do	150
Bund of Chetawan Kangal Road	260
Do of Dooty Chittery Do	330
Do of Carawaddoo Do	1130
Do of Calawaddoo Do	580
Spring Channel of Cattaddy Village	380
Bund of Carawaddoo Road	690
Do of Doraphatty Rangle	120
Do of Kawankoombedy Road	150
Do of Mara Ekan Rangle Do	50
Do of Pannilakaran Chittery Do	480
Do of Palaweeran Road	1380
Do of Mandalawa 2 Class Do	290
Do of Beragala Rangle 3 Do	520
Do of Cattigaan Road	1400

Bund of Thalawanpoora Road	290
Do of Kohanthawapoora Do	1300
Do of Pulugaw Large Do	1130
Do Do Chittery Do	340
Amberakadawa Spring Channel	630
Bund of Kohengawa Poora Road	270
Kaliyagala of Chatham	3870
Do Kalukudathaw Large Road	650
Bund of Pauly thoragalay 3 Class	200
Do Pauly Do	390
Do Do Jamburay Do	1110
Channel between Large Channel Roads of Kaluyagawa	95
Kaliyagala to Dawanapathawa Road	340
Do Cattawedy Road	520
Aluvi to Kalapanrangle Large Do	190
Do Pandaw Road	190
Channel to Thangalawa Vathaw Iradu, Magadawandram Hathdyamal	75
Aluvi to Pandaw Large Road	320
N. Bridge across the Cavalar Irrigating Channel	610
Aluvi to Kodawaly Road	190
Do to Thalawanpoora Road	190
Do to Kalaweeran Road	160
Do to Weerapathaw Do	220
Do to Thoranawadoo Do	160
Do to Pauly Road	70
Do to Pauly Do	180
Do to Pauly Jamburay Do	180
Do to Do Pallaw Do	195

Band of Elappa Large Bank — 800

Do Do Chettery Do 280

Do Salaveeram Small Bank 530

Band of Calaway Elapa Bank — 2,660

Condam for Kankanday Do 690

Mucia to Cadapan Bunga Chettery Bank 170

Do to Kaveeram Do Bank — 170

Band of Cawan Gallapa Bk Raja Bank 1,500

Calingala to Palecondan Bank — 470

Mucia to Velany Do — 175

Band of Do — 270

Mullagoda Mucia to Dongan Bank — 180

Do to Cauergpank Bank Channel 260

Do to Dangaweeragalam Bank — 270

Do to Arumane Large Store Do 300

Flood Calingala Bank of Channel to Aneen Bankandavady Bank } 1,920
and Indery Large Bank }

Chettady Kappiram Bank Calingala 900

Mucia to Maruwathavay Bank — 300

Mucia to Indery Kadiwa Arugapolly Bank — } 500

Repairing Arugapolly Bank 900

Jambocolam Bank Channel Mucia and Caligalah } 1,800

Mucia to Vaccapady Bank — 530

Do to Kolahar Do — — — 600

Filling up Breaches & to Kiompuram Water Channel — } 680

Calingalah & Mucias of Coconatoon Bank — } 1,500

1,27,415.

Asst Clerk in Charge
Collector

D.V
Clerk

No. 1.

Ltr a letter from the Collector of North Arcot to the Secretary to the Board of Revenue dt 20th Sept. 1866 No. 272.

Ltr No 6505 dt 1866

List of Estimates received from the Supg. Engineer and retained in the Collector's Office unsanctioned owing to want of funds.

Pr 4 23/65

From 26 - Octr 1866 to 1820

No. 3119 Public Works Department

PROCEEDINGS of the MADRAS GOVERNMENT.

Under date the 26th Octr 1866.

Read the following proceedings of the Board of Revenue

(Here enter No. 1356 dated 12th Octr 1866.)

Communicated to the Superintending Engineer of the 4th Dn.

With reference to para 2 of the Board's Proceedings, the Government observe that as in the year 1865/6 the original assignment for Public Works in this Presidency was — considerably curtailed, it became necessary to reduce the appropriations in the Budget to the extent of nearly 7½ lacs of Rupees, and owing

to this Redistribution, & Advances, aggregating Rs 55,64 7, for works in North West, were withdrawn, and this coupled with the fact that a grant of Rs 33,583 was made on the previous official year for the completion of certain works which were in progress in connection with the Palar Anicut on an estimate of Rs 6,52,871, sufficiently accounts for the disproportion which the Board notice in the expenditure of the two years.

Col Boileau will report on Para 3 of the Board's Proceedings, and submit a Statement of the allotment and expenditure on New Irrigation Works

Rs 19,700 — For extending Irrigation under the Chingleput Circuit

35,747 — For works connected with the Periyar project

and Communications during the year 1886/6, explaining if necessary, the reasons which prevented the whole of the Budget grant being appropriated.

Col Boileau will draw No Para 4 — He will observe from Pro: No 3402 dt 24 Oct 86 that an application has been made to the Govt of India for establishments to be employed on the investigation of irrigation projects in the Dn

To Revd & Dn
" Rd Mr Revenue Sale & Salaries
" Rd Dept

Dept 29 October

Dft. 1866 Sept.

Pay of Pensioners 1866.

No. 3410

Mostly Madras Dft.

Dft. 25th Oct. 1866.

Paying orders
re Pay & Pen. Department
re the Collectors Cheast
re Public Works in the
North Arcot Dist for
1865/66.

A° 620-621

© 1st Dec. 1866 Dft. 1 Gen.