

(1) Number of pages 10(2) Date of repair 2-2-39(3) Initials of the Referencer GP**MADRAS RECORD OFFICE.****Government of Madras.***Public Works* **DEPARTMENT.**

G.O. No.	<u>2560</u>	Press Mis.
<u>167-65</u> Dated	<u>12-12-</u>	<u>1860.</u>

Not to be folded or roughly handled

*Proceedings of the Madras Government Public Works Department,
12th December 1860.*

No. 167. Read the following Proceedings of the Board of Revenue, dated 21st November 1860, No. 5,425 :—

Read the following letter from J. D. ROBINSON, Esq., Acting Collector of North Arcot, to W. HUDLESTON, Esq., Acting Secretary to the Board of Revenue, dated Chittoor, 8th October 1860, No. 239.

SIR,

1. I have the honor to submit my Annual Report on the progress and practical results of public works executed in this district, during the official year 1859-60.

2. In the subjoined abstract are summed up the details of expenditure entered in the Progress Reports furnished to me by the District Engineer under their respective heads of "Irrigation Works," "Roads and Bridges," and "Public Buildings."

Items of Expenditure.	New Works.			Repairs.			Total.		
	RS.	A.	P.	RS.	A.	P.	RS.	A.	P.
Irrigation... ..	2,027	0	10	50,002	9	8	52,029	10	6
Roads and Bridges... ..	16,541	15	3	56,916	11	8	73,458	10	11
Buildings... ..	649	6	8	7,172	4	11	7,821	11	7
Total.....	19,218	6	9	1,14,091	10	3	1,33,310	1	0

3. The total expenditure, you will observe, falls short of that incurred during the previous year by Rupees 46,595.

4. The additional revenue realised in each Tálug during the year under report, consequent on the repair or improvement of minor works of irrigation, is shown below :—

Tálugs.	By Repairs.			By new Works.			Total.		
	RS.	A.	P.	RS.	A.	P.	RS.	A.	P.
Chittoor... ..	38	13	11	.....	.....	.....	38	13	11
Chendragiri... ..	190	4	5	.....	.....	.....	190	4	5
Káveripákum (now Wallaja)	118	6	6	.....	.....	.....	118	6	6
Sholinghur	274	13	0	.....	.....	.....	274	13	0
Tiruvalam	113	10	7	.....	.....	.....	113	10	7
Sátgadi... ..	222	5	5	.....	.....	.....	222	5	5
Palmanair... ..	51	7	11	.....	.....	.....	51	7	11
Arcot	303	6	6	.....	.....	.....	303	6	6
Vellore... ..	287	11	8	5	7	0	293	2	8
Tiruvattúr... ..	411	13	8	.....	.....	.....	411	13	8
Polúr... ..	493	6	4	18	3	0	511	9	4
Wandavásh	63	13	0	.....	.....	.....	63	13	0
Satiavédu	2	1	4	.....	.....	.....	2	1	4
Total...	2,572	2	3	23	10	0	2,595	12	3

5. In the preceding year, the returns on an expenditure of Rupees 65,054 on "new works" and "repairs" together was Rupees 8,516, but new works then stood in the proportion of two to three to repairs; whereas in the season under review, the former figure for a very insignificant sum in the total expenditure.

6. The expenditure in fact under this head is confined to the mere maintenance of existing works in view to keeping the revenue at its average standard, and includes no provision for the prosecution of those larger and more ambitious projects which would have so certain and striking an influence in stimulating industry, and developing the material resources of the District.

7. Of the Pálár and Poiney Anicut projects placed under restrictive orders just as they were beginning to be remunerative, I have so lately given the history, and my own views in regard to them, that it would be superfluous to add more in this place, than to express my earnest hope that means may be found, even in the present financial difficulties, to set apart for their prosecution such funds as will make them at least return a fair interest on the outlay.

8. The year was not a favorable one, and owing to the failure of the north-east monsoon, the freshes in the rivers were scanty and infrequent. Incomplete though these works still are, the results but for this cause would probably have been more favorable.

9. The subjoined table gives the additional revenue realised during the year, under the tanks supplied from the Pálár, Poiney and Cheyár Anicuts.

Anicuts.	Táluqs.	Number of vil- lages irrigat- ed.	Number of tanks supplied.	Additional re- venue derived.
Pálár	Kávérípákam, Wallaja...	65	49	Rs. A. P. 2,386 12 4
	Arcot...	28	61	1,160 0 8
	Tiruvalam ...	4	6	159 0 10
	Total.....	107	116	3,705 13 10
Poiney.....	Sholinghur ...	34	34	819 15 4
	Tiruvalam... ..	4	4	34 4 6
	Total.....	38	38	854 3 10
Cheyár	Tiruvattúr... ..	20	20	2,654 9 9
	Wandavásh... ..	14	14	359 0 0
	Total.....	34	34	3,013 9 9
Grand Total.....		179	188	7,573 11 5

10. ROADS AND BRIDGES.—Of the 16,541 Rupees expended on new works under this head, the principal items are Rupees 10,099, spent in completing the bridge over the Pálár river near Vellore; Rupees 2,323-8-2, on metalling and improving the Synagunta line between the Railway station at Guditham and Palmanair; Rupees 1,700-6-11, on completing a new cross line to connect Trunk Road No. 1, with Bánavaram (Sholinghur) Railway station; Rupees 1,623-5-8 in giving Canjivaram access to Arkónam, the point of junction of the Cuddapah and South-Western Railroads, and Rupees 695-5-1, on the Venkatagirikóta group.

11. The 1st, the Vellore bridge may now, after having been supplemented three different times, and costing from 1st to last Rupees 1,23,007, be considered complete. Looking at the enormous outlay, it may well be asked whether a moderate toll on wheeled conveyances passing over it might not now be fairly levied. I think it might; and feel sure it would be remunerative. With an European as toll gatherer, the principal objections to such imposts in India would disappear, and many a pensioner would, I dare say, be glad to do the work for Rupees 20 or 25 a month.

12. The expenditure on the Synagunta road is part of a large estimate which was sanctioned for metalling it throughout when the mail carts were plying on it. The metalling was discontinued when the extension of the Railroad made the Kistnagiri and Usúr line the shortest route to Bangalore; and the Synagunta line will hereafter come on the local fund. It is in first-rate order. The cross road to Bánavaram is an important link in our net work of communications, and is in high favor with the Ryots and traders of those parts. The original estimate was Rupees 12,600, which provides for metalling not now necessary. Of this Rupees 6,542-10-3 have been spent, besides Rupees 2,081-14-1 out of the local fund. The road is in

working order, and will, under the instructions of 29th August 1860, No. 1,841, be hereafter placed on the local fund list. The road from Arkónam to Canjivaram is obviously all-important, and will greatly contribute to swell the passenger traffic on the two lines of Railway on the occasions of the great periodical feasts at Sholinghur and Tirupati.

The earth-work is reported finished for five miles, and some mile or two more have been partially formed at an outlay of Rupees 1,623-5-8 out of the general funds, and Rupees 1,836-3-10 from the local fund. This latter item of expenditure should be replaced to the credit of the local fund, and the work specially provided for and energetically prosecuted in communication with the Engineer of the Madras District within whose limits $\frac{2}{3}$ of its whole length lie.

13. The only other item of expenditure which calls for remark is one of Rupees 700-6-1 incurred in tracing a road from Venkatagirikóta to Sátgadi. This is a branch of that western group of roads, whose claims to a special provision from the general funds I have earnestly advocated elsewhere, and which are now in that half-finished state which makes their early completion doubly desirable.

14. The expenditure on repairs amounts to Rupees 56,916-11-8. Of this, Rupees 41,118-10-8 were laid out on the annual repair of the three Trunk Roads Nos. IX and XI, aggregate length 175 miles, and the balance Rupees 15,798-1-0 on a variety of other minor roads and communication. No. XI Trunk Road is reported to be much cut up in places by the heavy cotton traffic; and its state has, I believe, already engaged the attention of the Engineer department. Of the state of the other roads, I have had considerable opportunities of judging, and can express myself in terms of commendation.

15. Local fund operations have already been specially reported on, and are not therefore noticed in this place.

16. In conformity with the instructions conveyed* in the Order of Government, dated November 13th 1858, No. 2,386, I beg to subjoin a Memorandum, showing the number of tanks, channels, &c., "in repair" and out of repair, as ascertained from the latest returns.

Description of Works.	No.	Repair.	Out of Repair.
Tanks... ..	1,775	1,366	409
Chittéri.....	85	71	14
Tángals	539	479	60
Supplying channels..	271	194	77
River channels	499	451	48
Spring channels. ...	520	444	76
Anicuts... ..	3	3	...
Total...	3,692	3,008	684

17. Of the state of the tanks in the Árni Jáhgir, I hear a very unfavorable account. This state of things is the less pardonable, as of all the Zamíndárs in this district; the Árni Jáhgírdár holds his estate on, by far, the most favorable terms. His serious attention has been called to this matter.

18. The Dasabandam tanks likewise are generally, I fear, in but indifferent order. I have, however, taken steps to enforce fulfilment on the part of the Inámdárs of their obligations in respect of such works.

19. I much regret the delay which has taken place in the submission of this report, and which is attributable to the dilatoriness of the Tahsildárs in furnishing me with their statistical returns.

Some indulgence is, however, I feel fairly due to these officers in consideration of the heavy extra calls on them in connection with the territorial re-distribution, reduction of establishments, and other recent changes in the district.

Proceedings of the Madras Government, Public Works Department,
12th December 1860.

Resolved that the paper above recorded be submitted for the consideration and orders of the Honorable the Governor in Council.

1. In paragraphs 2 and 3 of the letter above recorded, the Collector gives a brief statement of the details of expenditure on new works and repairs during the past official year, amounting in the aggregate to Rupees 1,33,310, and in paragraph 4, the additional revenue realised from the improvement of the minor irrigation works is stated. It appears from this, that a return of Rupees 2,572 has been obtained from an expenditure of Rupees 50,003, giving an average rate of $5\frac{1}{2}$ per cent., which is considered satisfactory, seeing that it is in addition to the revenue already realised, and that the object of *repairs* is to maintain existing works in efficient order, rather than to increase their productive powers.
- | | Rs. |
|---------------------------|----------|
| New Works.—Irrigation.... | 2,027 |
| Roads, &c.... | 16,542 |
| Buildings.... | 649 |
| | 19,218 |
| Repairs.—Irrigation.... | 50,003 |
| Roads, &c.... | 56,917 |
| Buildings.... | 7,172 |
| | 1,14,092 |
| Grand Total.. | 1,33,310 |

2. In paragraph 7, the Collector alludes to the necessity of prosecuting the works in connection with the Pálár and Poiney Anicuts, even in the present financial difficulties. A separate report on these works is now under the Board's consideration. The additional revenue realised during the year under the tanks supplied from the Pálár, Poiney and Cheyár Anicuts amounts to Rupees 7,574. The number of villages irrigated is 179, and that of tanks supplied 188.

3. Adverting to the large outlay on the Vellore bridge which has cost Rupees 1,23,007, the Collector suggests that a moderate toll be levied on wheeled conveyances passing over it, and thinks that by the appointment of an European as toll gatherer, the principal objections to such imposts in India would disappear. The Board will report on this subject when replying to the Order of Government, dated 25th October 1860, Public Works Department, No. 2,196, on tolls generally.

4. The Board concur in the Collector's remarks in paragraphs 12 and 13, regarding the desirability of keeping the road from Arkónam to Canjivaram in good order. A copy of those remarks will be forwarded to the Collector of Madras for his information.

5. In paragraph 16, the Collector gives a statement of tanks and channels *in repair and out of repair*, from which it appears that out of an aggregate of 3,692 works of the classes mentioned, 3,008 are in good order, and 684 out of repair. Measures should be taken for placing the latter in proper condition as soon as possible.

(A true Extract.)

(Signed) W. HUDLESTON,
Acting Secretary.

No. 168.

ORDER THEREON, 12th December 1860, No. 2,560.

Ordered to be communicated to the Chief Engineer whose attention is requested to paragraph 5 of the Board's Proceedings.

(Signed) J. D. SIM,
Acting Secretary to Government.

No. 5,425.

PROCEEDINGS OF THE BOARD OF REVENUE, dated 21st November 1860.

Read Report on the progress of Public Works during 1859-60, submitted by the Acting Collector of North Arcot, under date 8th October 1860.

(In Cons. 15th October 1860, No. 5,245.)

Resolved that the paper above recorded be submitted for the consideration and orders of the Honorable the Governor in Council.

1. In paragraphs 2 and 3 of the letter above recorded, the Collector gives a brief statement of the details of expenditure on new works and repairs during the past official year, amounting in the aggregate to Rupees 1,33,310, and in paragraph 4, the additional revenue realised from the improvement of the minor irrigation works is stated. It appears from this, that a return of Rupees 2,572 has been obtained from an expenditure of Rupees 50,003, giving an average rate of $5\frac{1}{2}$ per cent., which is considered satisfactory, seeing that it is in addition to the revenue already realised, and that the object of *repairs* is to maintain existing works in efficient order, rather than to increase their productive powers.
- | | Rs. |
|----------------------------|----------|
| New Works.—Irrigation..... | 2,027 |
| Roads, &c..... | 16,542 |
| Buildings..... | 649 |
| | 19,218 |
| Repairs.—Irrigation..... | 50,003 |
| Roads, &c..... | 56,917 |
| Buildings..... | 7,172 |
| | 1,14,092 |
| Grand Total.. | 1,33,310 |

2. In paragraph 7, the Collector alludes to the necessity of prosecuting the works in connection with the Palar and Poiney anicuts, even in the present financial difficulties. A separate report on these works is now under the Board's consideration. The additional revenue realised during the year under the tanks supplied from the Palar, Poiney and Cheyair anicuts amounts to Rupees 7,574. The number of villages irrigated is 179, and that of tanks supplied 188.

3. Adverting to the large outlay on the Vellore Bridge which has cost Rupees 1,23,007, the Collector suggests that a moderate toll be levied on wheeled conveyances passing over it, and thinks that by the appointment of an European as toll gatherer, the principal objections to such imposts in India would disappear. The Board will report on this subject when replying to the Order of Government, dated 25th October 1860, Public Works Department, No. 2,196, on tolls generally.

4. The Board concur in the Collector's remarks in paragraphs 12 and 13, regarding the desirability of keeping the road from Arkónam to Conjevaram in good order. A copy of those remarks will be forwarded to the Collector of Madras for his information.

5. In paragraph 16, the Collector gives a statement of tanks and channels *in repair and out of repair*, from which it appears that out of an aggregate of 3,692 works of the classes mentioned, 3,008 are in good order, and 684 out of repair. Measures should be taken for placing the latter in proper condition as soon as possible.

(A true Extract.)

Acting Secretary.

To J. D. Sim, Esq., Acting Secretary to Government, R. D.

Copy to J. D. Robinson, Esq., Acting Collector of North Arcot.

B. Cunliffe, Esq., Collector of Madras, with paragraphs 12 and 13 of letter from Collector of North Arcot, dated 8th October 1860.

Exd. J. Wright.

already proceeding to the Board of Revenue when an European was appointed

Dec 11

8. The year was not a favorable one, and owing to the failure of the north-east monsoon, the freshes in the rivers were scanty and infrequent. Incomplete though these works still are, the results but for this cause would probably have been more favorable.

9. The subjoined table gives the additional revenue realised during the year, under the tanks supplied from the Palar, Poine and Cheyar anikats.

Anikats.	Taluqs.	Number of vil- lages irrigat- ed.	Number of tanks suppli- ed.	Additional re- venue derived.
				R. A. P.
Palar.....	Kaveripakam, Wallaja...	65	49	2,386 12 4
	Arcot.	38	61	1,160 0 8
	Tiruvalam...	4	6	159 0 10
	Total... ..	107	116	3,705 13 10
Poine.....	Sholingavaram...	34	34	819 15 4
	Tiruvalam.	4	4	34 4 6
	Total... ..	38	38	854 3 10
Cheyar.....	Tiruvattur.	20	20	2,654 9 9
	Wandavashi.	14	14	359 0 0
	Total... ..	34	34	3,013 9 9
	Grand Total... ..	179	188	7,573 11 5

10. ROADS AND BRIDGES.—Of the 16,511 Rupees expended on new works under this head, the principal items are Rupees 10,099, spent in completing the bridge over the Palar river near Vellore; Rupees 2,323-8-2, on metalling and improving the Synagunta line between the Railway station at Gudiatham and Palmaner; Rupees 1,700-6-11, on completing a new cross line to connect Trunk Road No. 1, with Banavaram (Sholinghur) Railway station; Rupees 1,623-5-8 in giving Kanjivaram access to Arkonam, the point of junction of the Kadapa and South-Western Railroads, and Rupees 695-5-1, on the Venkatagirikota group.

11. The 1st, the Vellore bridge may now, after having been supplemented three different times, and costing from 1st to last Rupees 1,23,007, be considered complete. Looking at the enormous outlay, it may well be asked whether a moderate toll on wheeled conveyances passing over it might not now be fairly levied. I think it might; and feel sure it would be remunerative. With an European as toll gatherer, the principal objections to such imposts in India would disappear, and many a pensioner would, I dare say, be glad to do the work for Rupees 20 or 25 a month.

12. The expenditure on the Synagunta road is part of a large estimate which was sanctioned for metalling it throughout when the mail carts were plying on it. The metalling was discontinued when the extension of the Railroad made the Kistnagiri and Usur line the shortest route to Bangalore; and the Synagunta line will hereafter come on the local fund. It is in first-rate order. The cross road to Banavaram is an important link in our net work of communications, and is in high favor with the Ryots and traders of those parts. The original estimate was Rupees 12,600, which provides for metalling not now necessary. Of this Rupees 6,542-10-3 have been spent, besides Rupees 2,081-14-1 out of the local fund. The road is in working order, and will, under the instructions of 29th August 1860, No. 1,841, be hereafter placed on the local fund list. The road from Arkonam to Kanjivaram is obviously all-important, and will greatly contribute to swell the passenger traffic on the two lines of Railway on the occasions of the great periodical feasts at Sholinghur and Tirupati.

The earth-work is reported finished for five miles, and some mile or two more have been partially formed at an outlay of Rupees 1,623-5-8 out of the general funds, and Rupees 1,836-3-10 from

the local fund. This latter item of expenditure should be replaced to the credit of the local fund, and the work specially provided for and energetically prosecuted in communication with the Engineer of the Madras District within whose limits 3ds of its whole length lie.

13. The only other item of expenditure which calls for remark is one of Rupees 700-6-1 incurred in tracing a road from Venkatagirikota to Satgadi. This is a branch of that western group of roads, whose claims to a special provision from the general funds I have earnestly advocated elsewhere, and which are now in that half-finished state which makes their early completion doubly desirable.

14. The expenditure on repairs amounts to Rupees 56,916-11-8. Of this, Rupees 41,118-10-8 were laid out on the annual repair of the three Trunk Roads Nos. IX and XI, aggregate length 175 miles, and the balance Rupees 15,798-1-0 on a variety of other minor roads and communication. No. XI Trunk Road is reported to be much cut up in places by the heavy cotton traffic; and its state has, I believe, already engaged the attention of the Engineer department. Of the state of the other roads, I have had considerable opportunities of judging, and can express myself in terms of commendation.

15. Local fund operations have already been specially reported on, and are not therefore noticed in this place.

16. In conformity with the instructions conveyed* in the Order of Government, dated November 13, 1858, No. 2,386, I beg to subjoin a Memorandum, showing the number of tanks, channels, &c., "in repair" and out of repair, as ascertained from the latest returns.

Description of Works.	No.	Repair.	Out of Repair.
Tanks.....	1,775	1,366	409
Chitteri ...	85	71	14
Tangals...	539	479	60
Supplying channels...	271	194	77
River channels ...	499	451	48
Spring channels...	520	444	76
Anikats...	3	3	...
Total...	3,692	3,008	684

17. Of the state of the tanks in the Arni jaghire, I hear a very unfavorable account. This state of things is the less pardonable, as of all the Zemindars in this district; the Arni jaghiredar holds his estate on, by far, the most favorable terms. His serious attention has been called to this matter.

18. The Dasabandam tanks likewise are generally, I fear, in but indifferent order. I have, however, taken steps to enforce fulfilment on the part of the Inamdars of their obligations in respect of such works.

19. I much regret the delay which has taken place in the submission of this report, and which is attributable to the dilatoriness of the Tahsildars in furnishing me with their statistical returns.

Some indulgence is, however, I feel fairly due to these officers in consideration of the heavy extra calls on them in connection with the territorial re-distribution, reduction of establishments, and other recent changes in the district.

Exd. J. Tulloch.

Kanjivaram
Cud-dapa

Tahsil
Zamindar
Tahsil

1800 *Charters*

Enclosure 1 in Proceedings
of the Board of Revenue &
the Acting Secretary to the
P. O. dated 21st November
1800 No 5425.

0022815/60.

Letter from the Acting
Collector of North Arcot to
the Secretary to the Board of
Revenue dated 2^d October 1800
No 239 regarding the details
of expenditure on munnicks
and refrains.