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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Public Works. DEPARTMENT

G.O. No.	3989 10	Press.
B.P. No.		Mis.
Dated	14.10.1878	197.

Not to be folded or roughly handled

3989
1

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

14th October 1878, No. 3,989 W.

General.
Establishment.

Read the following paper:—

No. 166. Proceedings of the Board of Revenue, dated 19th September 1878,
No. 2,576.

From A. McC. WEBSTER, Esq., Collector of Coimbatore, to the Acting Secretary
to the Board of Revenue, dated 4th September 1878, No. 182.

I HAVE the honor to forward my Annual Report on Public Works for 1877-78,
accompanied by the prescribed state-
ments.

Two Statements.

2. The allotments made and the expenditure incurred during the year under
the different heads of service are particularized in Statement A, the former aggre-
gating Rupees 1,92,757 and the latter Rupees 1,54,566.

3. IMPERIAL.—The expenditure on works under this head has been Rs. 68,410
against an allotment of Rupees 72,565. The bulk of the outlay from this fund was
incurred on the improvement and repair of old irrigation works.

4. *Irrigation, New Works.*—The outlay under this head was Rs. 10,462-4-1
against an allotment of Rupees 12,400. Of the two works noted in the margin
which were specially undertaken for the protection of the Madras Railway during
floods, and to regulate the water in the channels, the latter has been completed
during the year under report.

1. Providing the Vellalore anicut with a wing wall and the channel with head and sand sluices.
2. Constructing head sluice for the Iroogoor channel.

The third work on the list is the construction of a head sluice to the Chittira-
chavady channel (with screw gearing shutters) which supplies the five tanks
noted in the margin that command the railway.

- | | |
|---------------------|-----------------------|
| (1.) Krishnamboody. | (4.) Coomarasawmy. |
| (2.) Narasamboody. | (5.) Chelooovachinta- |
| (3.) Cheluvamboody. | mony. |

The next is the improvement of the head sluice of the Calingaroyen channel
which is to be provided with screw gearing shutters in place of the present needle
shutters which are stated to be somewhat unmanageable. The improvement is
further intended to remedy various other defects in the present head sluice noted
below in the words of the Irrigation Chief Engineer:—

"Moreover, the water-way of the sluice being excessive, a stream with a high velocity is
admitted to the channel through one or two vents instead of the water being distributed among
them all, the consequence being erosion of the banks and deposit of silt. Proper means of
regulating the water-supply admitted are a first necessity to a more efficient management of
the channel which does not at present supply half as much irrigation as would be feasible were
it in better order."

A portion of the allotment for this work is stated to have lapsed owing to the
Forest Department being unable at the last moment to supply beams which it was
understood by the Public Works Department had been reserved for the work. The
work has however since been finished and is well turned out.

The outlay on the remaining works, the estimated cost of which is below Rupees 1,000 each, stand classed as follows:—

	RS.
(1.) Constructing and improving Irrigation sluices ...	1,712
(2.) Setting up mile and furlong and benchmark stones on river and channel banks, &c. ...	1,290
(3.) Planting nanul grass along the right bank of the Cauvery river near Humpapuram in Collegal Taluk ...	740
(4.) Constructing vaganaia to protect the head of the Neroor channel ...	657
(5.) Other miscellaneous items ...	264
Total ...	4,663

5. *Irrigation, Repairs.*—The outlay under this head was Rupees 50,908-12-3

	RS.	(against an allotment of Rupees 50,000), of which the amount expended on the three* important irrigation channels of the district alone aggregated Rs. 22,432 for clearing and otherwise maintaining them. Including the expenditure incurred under the head of "Famine Relief" the outlay against each of these three channels stands as follows:—
* Calingaroven channel ...	6,266	
Thadupully do. ...	5,973	
Arakencottah do. ...	16,193	
Total...	22,432	

	RS.
(1.) Calingaroven channel ...	21,964
(2.) Thadupully do. ...	6,877
(3.) Arakencottah do. ...	14,757
Total ...	43,598

6. *Buildings.*—The rest-houses at Erode, Mettapolliem, and Potanur were improved and repaired at an outlay of Rupees 153-5-6 under "New Works" and Rupees 725-11-4 under "Repairs." The Post Offices at Karur, Erode, and Tirupur have had some repairs done to them at an outlay of Rupees 159-10-0.

7. *PROVINCIAL—Communications, New Works.*—The only work that was in execution under this head during the year under report was the reconstruction of the road from Malliempolliem to Kodumudi, and which is reported as having been completely metalled and finished by famine labor. The road has been sectioned and completely made with turfed side slopes for nine miles. Including the expenditure incurred under the head "Famine Relief," the outlay on this work from the commencement to the end of 1877-78 amounted to Rupees 61,211-8-3 against the revised total sanction of Rupees 75,210.

8. *Repairs.*—Rupees 500 expended under this head is the amount paid to a contractor for clearing and rendering passable for bullocks the Poonachy Ghaut on the Anamalais, which was opened two years ago.

9. *Buildings, New Works.*—The principal new work in progress during the year is the Sub-Collector's house at Erode on which Rupees 6,785 were expended during the year. The building is nearly completed and the work has been very well executed.

Four huts for the Police Constables at the stations of Shembully and Chetty-polliem were constructed during the year, two ward kitchens and latrine for debtors at the jail at Coimbatore, and some other minor improvements to civil buildings were carried out.

10. *Repairs.*—The civil buildings of the various departments have been kept in repair at an outlay of Rupees 4,408-0-3.

11. *LOCAL FUNDS—Communications, New Works.*—The only two works carried out under this head were—

- (1.) Improving road from Coimbatore by Sooloor, Palladam and Avenashi-polliem to Koughiem.

- (2.) Constructing road from Dharapuram to Palney via the bridge at Amaravati.

The expenditure on the former was Rs. 924 out of the estimate of Rs. 28,200, of which Rupees 17,703 have now been expended.

The latter road is being completed as a famine work; the outlay on it up to end of 1877-78 under the head of "Famine Relief" amounts to Rupees 24,857-2-11, thus raising the aggregate outlay on the work to Rupees 26,065-14-8 against the revised estimate of Rupees 40,440 sanctioned in G.O., No. 1,475, of 5th July 1878, Revenue (Famine) Department.

12. *Repairs.*—The expenditure under this head amounted to Rupees 56,523 against an allotment of Rupees 85,824. The short expenditure is nominal, and is due to famine works being opened on the roads, thus stopping the Local Fund expenditure.

That portion of the road between Pollachi and Udamalpetai passing over cotton soil to a distance of about six or seven miles, which was impassable in wet weather, has been thoroughly repaired by placing large boulders over the cotton soil, and then properly metalling it. Several bridges have had their superstructures renewed, and several culverts have been built. The road is in good order.

Of the two lines of roads which connect the isolated taluk of Collegal with the low country, the Hassanoor ghaut road has been kept in repair. The ghaut portion of the other (the Burghur ghaut road) suffered much from the south-west monsoon, which was very heavy on the hills during the past season. Many revetments have in consequence slipped, the road-way has been much cut up, and there are also some landslips.

13. *Sanitary and Miscellaneous.*—The dispensary at Udamalpetai which was in course of construction in the preceding year has been completed. Out-houses were built for some of the chattrams, and most of these chattrams, local fund bungalows, and some of the dispensaries were improved and otherwise kept in good repair, and avenues were maintained.

14. In addition to the outlay shown in Statement A, a sum of about Rupees 11,49,000 was expended on Public Works during the year under report under the head of "Famine Relief." I am not, however, able to give the full particulars.

15. The improvement of the road from Mettapolliem to Kallar, which up to the end of the preceding year was on the list of Provincial works, has been in execution as a famine work in 1877-78. This road was in very fair order, but the surface has been temporarily interfered with by the works in progress to render it suitable for a tramway and it is very heavy in wet weather.

16. Large quantities of material for the future repair of the district and village roads have been stored by famine labor, and some of the most important lines of communications have been made and properly metalled with broken stones instead of being merely gravelled as formerly. The principal roads which have been metalled and improved are the following:—

- (1.) Coimbatore to Satyamsagalam via Annur, 40 miles, of which seven miles remain unfinished.
- (2.) Erode to Bhavani add on towards Attany, 91 miles. The first portion completed.
- (3.) Erode towards Karur via Malliempolliem and Kodumudi.
- (4.) Coimbatore to Udamalpetai via Pollachi 65 miles.
- (5.) Palladam to Tirupur and Avanashi, 40 miles, of which 21 miles are in fair order.
- (6.) Karur Railway Station to foot of Coonoor ghaut including Karur bazaar roads, 95 miles.

Most of the roads that I have inspected have been very well repaired and are in an excellent order.

ENCLOSURES Nos. 1 and 2.—Statements.

SUBMITTED for the information of Government.

2. According to the return forwarded by the Collector the proportion of expenditure to allotment was as under—

	PER CENT.
Imperial	94.3
Provincial	99.4
Local	65.5

The statement however does not include the outlay on famine works, and the short expenditure shown under Local is consequently only nominal.

3. The bulk of the expenditure under Imperial was on Irrigation Repairs. Under Provincial the new house for the Sub-Collector at Erode was completed, and the work is said to have been very well executed. In connection with famine relief some of the most important roads in the district have been properly metalled and large stores of material have been accumulated for future use.

(A true Copy and Extract.)

(Signed) J. STURROCK,
Acting Sub-Secretary.

No. 167. ORDER THEREON, 14th October 1878, No. 3,989 W.

COMMUNICATED to the District Engineer, Coimbatore.

(True Extract.)

(Signed) E. A. FOORD, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the District Engineer, Coimbatore.
" Chief Engineer for Irrigation.
" Consulting Engineer for Railways.
" Revenue Department, with statements.

Exd. C. Howarth.
Spare Copies

GENERAL
ESTABLISHMENT.

Govt. of (1878) Madras.

PUBLIC WORKS.

(3)

THE DISTRICT ENGINEER,
COIMBATORE.

Co., Co., Co.

OCTOBER.

Nos. 188-167.

Public Works in Coimbatore for 1877-78.
Proceedings of the Board of Revenue
reviewing and submitting the Collector's
report on the —, communicated to the Dis-
trict Engineer, Coimbatore.

No. 2,576.

PROCEEDINGS OF THE BOARD OF REVENUE, dated 19th September 1878.

Read the following letter from A. McC. WEBSTER, Esq., Collector of Coimbatore,
to C. A. GALTON, Esq., Acting Secretary to the Board of Revenue, dated
4th September 1878, No. 182 :—

I HAVE the honor to forward my Annual Report on Public Works for 1877-78,
accompanied by the prescribed state-
ments.

2 Statements.

2. The allotments made and the expenditure incurred during the year under
the different heads of service are particularized in Statement A, the former aggregat-
ing Rupees 1,92,757 and the latter Rupees 1,54,566.

3. *INTERIAL.*—The expenditure on works under this head has been Rupees
68,410 against an allotment of Rupees 72,565. The bulk of the outlay from this
fund was incurred on the improvement and repair of old irrigation works.

4. *Irrigation, New Works.*—The outlay under this head was Rupees 10,462-4-1
against an allotment of Rupees 12,400. Of the two works noted in the margin
which were specially undertaken for the protection of the Madras Railway during
floods, and to regulate the water in the channels, the latter has been completed
during the year under report.

The third work on the list is the construction of a head sluice to the Chitra-
chavady channel (with screw gearing shutters) which supplies the five tanks
noted in the margin that command the Railway.

The next is the improvement of the head sluice of the Calingaroyen channel
which is to be provided with screw gearing shutters in place of the present needle
shutters which are stated to be somewhat unmanageable. The improvement is
further intended to remedy various other defects in the present head sluice noted
below in the words of the Irrigation Chief Engineer :—

"Moreover the water-way of the sluice being excessive, a stream with a high velocity is
admitted to the channel through one or two vents instead of the water being distributed among
them all, the consequence being erosion of the banks and deposit of silt. Proper means of regu-
lating the water-supply admitted are a first necessity to a more efficient management of the
channel which does not at present supply half as much irrigation as would be feasible were it in
better order."

A portion of the allotment for this work is stated to have lapsed owing to the
Forest Department being unable at the last moment to supply beams which it was
understood by the Public Works Department had been reserved for the work. The
work has however since been finished and is well turned out.

The outlay on the remaining works, the estimated cost of which is below Rupees
1,000 each, stand classed as follows :—

(1.) Constructing and improving Irrigation sluices	Rs. 1,172
(2.) Setting up mile and furlong and benchmark stones on river and channel banks, &c.	Rs. 200
(3.) Planting nand grass along the right bank of the Cauvery river near Humpapuram in Collegal Taluk	740
(4.) Constructing vaganaals to protect the head of the Neroor channel	257
(5.) Other miscellaneous items	264
Total	4,633

5. *Irrigation, Repairs.*—The outlay under this head was Rs. 56,568-12-3 (against an allotment of Rupees 59,000), of which the amount expended on the three* important irrigation channels of the district alone aggregated Rupees 22,432 for clearing and otherwise maintaining them. Including the expenditure incurred under the head of "Famine Relief" the outlay

against each of these three channels stands as follows:—

	Rs.
(1.) Calingaroyen channel	21,964
(2.) Thadapully do.	6,877
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Total ...	43,598

6. *Buildings.*—The rest-houses at Erode, Mettapolliem, and Potanur were improved and repaired at an outlay of Rupees 153-5-6 under "New Works" and Rupees 725-11-4 under "Repairs." The Post Offices at Karur, Erode, and Tirupur have had some repairs done to them at an outlay of Rupees 159-10-0.

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13. *Sanitary and Miscellaneous.*—The dispensary at Udampalpetai which was in course of construction in the preceding year has been completed. Out-houses were built for some of the chuttrams, and most of these chuttrams, Local Fund Bungalows, and some of the dispensaries were improved and otherwise kept in good repair, and avenues were maintained.

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Mis no 2770W of 6-7-78
40-559W. 4-2-78

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(A true Copy and Extract.)

Stewart
Acting Sub-Secretary.

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

Copy to the Collector of Coimbatore.
" " Secretary to Government, Revenue Department.

Exd. W. J. Lewis.

No 3909 of 7/14 Oct 78.
Received

H. D. E. Coimbatore

Oct 7/10

D. E. Coimbatore
Ch. E. Sec. S. S.
C. E. Sec. H. S.
Rev. Dept. with

THE SECRET TO GOVERNMENT,
PUBLIC WORKS DEPT.

MADRAS.

BOARD OF REVENUE,

1878.

Dated September 19th.

Printed 1st.

Recd.

Transmissions, 19th Sept. 1878, No. 2576.

SEPTEMBER.

No. 2576.

Copy 4/10/78

Lo acty 5-10-78
Cir 7-10-78. Rtd 14-10-78.

Public Works - in Coimbatore District - Re-
ceiving and submitting to Government Collec-
tor's report on - for 1877-78.

11168

Gobt. of (1878) Madras.

PUBLIC WORKS.

To

J. I. Coimbatore

Dated

Issued

(6)

Recd.

Encl.

G. O., 14 "Oct." 1878, No. 3989 10.

Nos.

166 to 167

Public works in Coimbatore
for 1877-78.

Proceedings of the M.C.
of Res. including Sub
mitting the Colbr's report
on the — Comd to the
D.R. Coimbatore.

Subd. Rgr.