Archives 1—10,000—6-10-76.

(1) Number of pages 28

(2) Date of repair 9.7.86

(3) Initials of the Referencer

# TAMIL NADU ARCHIVES

## GOVERNMENT OF TAMIL NADU

Public works. DEPARTMENT

| G.O. No. / B.P. No. | 1339 W. | Press. / Mis. |
|---|---|---|
| Dated | 15-3-1878. | ~~197~~ . |

*Not to be folded or roughly handled*

1339
1

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

---

15th March 1878, No. 1,339 W.

Buildings and Roads.

Civil Works.

Read the following paper :—

No. 193. From Major J. L. L. MORANT, R.E., District Engineer, Nilgiris, to the Chief Engineer, Public Works Department, dated Ootacamund, 27th February 1878, No. 58.

I HAVE the honor to submit for sanction and provision of funds (in lieu of the estimate passed in G.O., No. 393 W, of 9th July 1877,) a revised estimate, amounting to Rupees 5,200, being the cost of the proposed improvements to the Lawrence Asylum (Male Branch) water-supply and drainage. The first two items were completed long ago.

2. The ten iron tanks estimated for in your office at a cost of Rupees 675 are, as I learn from the General Superintendent of Public Works Stores, not procurable. Instead of these he furnishes me with an approximate estimate, amounting to Rupees 2,470, for one large iron tank 20′ × 8′ × 4′ on which my revised estimate is framed.

3. I append copies of the estimates framed in your office and by the General Superintendent of Public Works Stores for comparison.

4. I addressed the Superintendent of Public Works Stores on the 18th October 1877, but only received a reply on the 22nd instant. Famine works have probably caused this delay. I append copy of his last letter.

5. No evils have resulted to the inmates of the asylum from the delay; and, as they now obtain filtered water, I beg respectfully to suggest that the construction of the iron tank and piping be not carried out. This will save the expenditure of Rupees 3,400.

---

No. 194. ORDER THEREON, 15th March 1878, No. 1,339 W.

IN G.O., No. 393 W, dated 9th July 1877, an estimate of Rupees 2,720, comprising the following items, was sanctioned and funds for the works were appropriated :—

| | Rs. |
|---|---|
| 1. Constructing a filtering reservoir at the Lawrence Asylum, Ootacamund ... ... ... ... ... ... ... ... | 930 |
| 2. Improving drainage of the plateau at do. ... ... ... ... | 830 |
| 3. Constructing ten iron cisterns to store filtered water on the plateau. | 960 |
| Total ... | 2,720 |

2. With the foregoing letter the District Engineer submits a revised estimate of Rupees 5,200. The excess is almost wholly due to the third item, viz., cisterns for storing filtered water. Looking to the great expense of the work, and to the fact that the inmates now obtain filtered water, the sanction to this item previously accorded will be cancelled.

(True Extract.)

Colonel, R.E.,
Secretary to Government, P.W.D.

To the District Engineer, Nilgiris.
" Examiner of Public Works Accounts.
" Educational Department.

Encl. T. D. Ryan,
Spare Copies.

1339
2

1339
3.

PUBLIC WORKS.

Board Room, [illegible]

Read [illegible] Read [illegible]

C. C., 15th March, 1878, No. 1,309 W.

MARCH.

Nos. 193-194.

*Lawrence Station, Ottawa and*.—Cancels the motion previously accorded to constructing cisterns for storing filtered water at the

Approximate Estimate of the cost of constructing a wrought iron tank with wrought iron clamps and braces, with bolts complete at the P. W. Workshops at Madras

| Particulars | No. | Wt. | Rate | Per | Amt. | Total |
|---|---|---|---|---|---|---|
| Plate iron for sides 20'×4'×3/8" | 2 | 2400 | | | | |
| Plate iron for bottom 20×8'×3/8" | 1 | 2400 | | | | |
| Plate iron for ends 8'×4'×3/8" | 2 | 960 | | | | |
| Angle iron 3"×3"×1/2" in 20 feet lengths | 4 | 800 | | | | |
| Angle iron 3"×3"×1/2" in 8 feet lengths | 4 | 320 | | | | |
| Angle iron 3×3"×1/2" in 4 feet lengths | 4 | 160 | | | | |
| Joint straps 4"×1/2" in 20 feet lengths | 3 | 430 | | | | |
| Joint straps 4"×1/2" in 2 feet lengths | 6 | 90 | | | | |
| Joint straps 4"×1/2" in 8 feet lengths | 2 | 125 | | | | |
| Angle iron 2 1/2"×2 1/2"×1/2" for ties 50 feet | | 375 | | | | |
| | | Total | 8165 | 3 | lb | 16291 |
| Rivet iron 3/4" | | | 1500 | 6 | lb | 562 8 |
| Braces for Columns | | | 10 @ 75 | 0 | 3 | lb 14 0 10 |
| Charges for making tank, taking it out to pieces and supplying spare bolts and nuts to be used before melting | | | | | | 119 4 |
| | | Total | | | | 23519 |
| | | Sundries | | | | 1197 |
| | | Total Estimate Rupees | | | | ₹ 470 |

Madras
22nd Feby 1878

(Sd.) J. M. Frazer
Genl. Supdt. P. W. Workshops

(True copy)

Jas. Morant Frazer R. E.
District Engineer

2nd Chief Engr's Office
Nilgiris
Countersigned
27th Feby 1878

8 Slab stones on which pipes hang rest ____ 1 .. each 8 ..

67 lbs of round iron for tie rods 1/2" Diam. ____ @ 5 lbs 20 15

Total 960 5 5

Sundries at 5 percent 49 10 7

Total Estimate Rupees 960 ..

Chief Engr's Office
Fort St. George Madras
3rd Jan 1877

(Sd.) J. C. Pope Asst. Draftsman

(True copy)

Jas. Morant Frazer R. E.
District Engineer

Cost of 10 Iron tanks (each 6×4×4) & work thereon
Platform formed by Iron pipes the whole together
Lawrence Asylum (male Branch) as recommended in Estimate
framed in the Chief Engr's Office and sanctioned in f.o. No 393W
of 9th July 1877

| Measurements No. | L | ft | In | Contents | Particulars | Rate Per Unit | Total |
|---|---|---|---|---|---|---|---|
| Platforms | | | | | | | |
| 10 | | | | 10 | Iron tanks entire (Lawrence 4×4×4) | } | Rs. and As. |
| 9 | | | | 9 | Iron blocks and holes for bed plates, ends &c for Connecting Tanks | } | 5 .. each 45 .. |
| | | | | | Carriage from Madras to Intermediate Station | } | 105 .. |
| | | | | | Carriage from Intermediate Station to Lawrence Asylum at Coonoor | } | 126 .. |
| 92 | 2 | 0 | 6 | 192 | Foundations & Pillars | | |
| | | | | 192 | Total cft of Brick in Chunam | 45 .. | 100 cft 86 8 |
| Branches | | | | | | | |
| 22 No. | 2 | 20 | 6 | 17 | 1 Joists | | |
| 6 | 8 | 6 | 3 | 9 | 11 Joists | | |
| | | | | | 8 .. 5 Wastage | | |
| | | | | 27 | 6 .. Total cft of Teakwood wrought and fixed | } | 4 .. cft 110 .. |
| 9 | | | | 9 | Cast Iron pipes now at the Lawrence Asylum to be erected | } | 1 4 each 10 .. |

Revised Detailed Estimate No. of 1877-78
Nilgiri District
S/1339
Work- Cost of proposed improvements to the Lawrence Asylum (male Branch) water Supply and Drainage

| Measurements No. | L | ft | In | Contents | Particulars | Rate Per Unit | Total |
|---|---|---|---|---|---|---|---|
| 92 | 2 | 0 | 6 | 216 | Foundations to Cast Iron columns | | |
| | | | | 216 | Total cft of Brick in Chunam | | |
| 9 | | | | | Slab stones on which cast iron columns may rest | | |
| 9 | | | | | Cast Iron pipes now at the Lawrence Asylum to be erected, including bolts, nuts &c complete | | |
| 3 | 20 | 6 | 5 | 17 | 1 Joists | | |
| ½ 8 | 6 | 3 | 5 | 9 | 11 Joists | | |
| | | | | 27 | 7 Total cft of teakwood wrought & fixt up | | |

Revised Abstract Estimate No. of 1877-78
Nilgiri District
Work- Cost of proposed improvements to the Lawrence Asylum (male Branch) water Supply and Drainage

| No. | Particulars | Rate Per Unit | Total |
|---|---|---|---|
| | Constructing a Filtering Reservoir | | |
| | Sanctioned in f.o. No. 393 W of 9th July 1877 | | 930 .. 0 |
| | Improving Drainage of Plateau, sanctioned in f.o. No. 393 W of 9th July 1877 | | 830 .. 0 |
| 216 | cft of Brick in Chunam | 45 .. 100 cft | 97 32 |
| 9 | Slab stones on which Cast iron pipes may rest | 1 .. each | 9 .. |

9 Cast iron for the round the Lanterns
Asylum to be carried on during the
work to be completed ... and 11 ft.
27 Cyl. of steam & complete with fittings &c. @ £5 ... £135 ...
Cost of 5 ton truck 20 x 8' 6" as per
Estimate of Mr Jennings ... £3000
Cost of Carriage from London
to Lawrence Asylum Estimated ... £30 ...
Cost for fixing Steam Cyl. at the
Asylum ... £5 ...
210 Running feet of galvanized wrought Iron Piping @ 1/6 per lin. ft. £17 10 ...
Total ... £5052 10 0
Sundries ... 167 10
Total Estimate Number ... 5220

Recommended

Master R.C.
District Engineer

Botanical
27th Feby 1878

6/
1339

Abstract Estimate No. 1 of 1877-78

Pilgri District

Estimate Cost of proposed improvements to the Laurence Asylum (Male Branch) water Supply and Drainage Sanctioned in Pub. No. 393 W of 9th Jun 1877

| Particulars | Rupees | Annas | Total |
|---|---|---|---|
| Constructing a Filtering Reservoir | 930 | .. | |
| Constructing ten cisterns to store filtered water on the plateau as per Estimate framed in the Chief Engrs Office | 960 | .. | |
| Improving Drainage of Plateau | 830 | .. | |
| Total Estimate Rupees | 2720 | .. | |

Jas Thorne
Supt R.C.
District Engineer

Dy Engrs Office
Ootacamund
27th Feby 1878

1339

Confirmed Statement of Sanctioned and Revised Estimates of proposed improvements to the Lawrence Asylum (male Branch) water Supply and Drainage.

| | | Particulars | Rate Per | Amount in Sanctioned Estimate | Remarks |
|---|---|---|---|---|---|
| | | Excavating & filling Trenches | | 930 | |
| | | Refacing & Repairing of Platform | | 830 | |
| 10 | 1 | Iron Pipe for Cement Connections Valves and Cocks including Carriage from Calcutta to Lallgolam | | 695 15 | |
| | | Cost of fixing the Iron Pipe at the Lawrence Asylum | | | |
| 8 | 2 | Cast Iron Sluice Valve at the Lawrence Asylum to be erected including the Cost | 1 4 each | 16 | |
| 8 | 2 | Stink Plugs to ditto the Sluice Valve | 1 each | 8 | |
| 172 | 211 | Cost of Brick in Cement for foundation & Sluice | 100 cft | 86 6 | |
| 77½ | 27 | Cost of Cement Mortar plaster &c | 75 cft | 110 | |
| | | Carriage of Brick & Cement Iron fixing | 1 8 cft | | |
| | | Sundries at 5 percent | | 49 10 | |
| | | Total Estimate Rupees | | 1920 | |

Jer Lorrent
Supt R.E.
District Engineers

Dr Engrs Office
N.E. Lines
Entered 27th July 1871

Presidency Workshops &c.
Madras 22nd Feby 1878.

No. 3696 9/137
Fam

The Genl: Supdt
Public Works Workshops and Stores

To
The District Engineer
Nilgiris

Sir

With reference to your letter No. 417 dated 18th October 1877, enquiring what the Iron tank for "Laurence Asylum" Ootacamund would cost if made in the Workshops, and to your Reminder No. 114 dated 13th Instant, I have the honn to inform you that the cost of the Tank, if made in one (10 feet × 8 feet × 4 feet) of 3/16 inch Plate Iron will be about Rupees 2470 as per enclosed Approximate Estimate delivered at the Workshops and shall therefore be obliged by your intimating your approval of the Estimate by return Post, so that the work may be taken in hand at once, and completed before the end of March 1878, when the Amount may be adjusted.

2

Shame the town to be

Sir

Your most obd. Servant

(Sgd.) H. W. Granger

Genl. Supt. P.W. workshops &c.

(true copy)

Jas Morant Majr. R.E.

Asstd. Engineer

2nd Subdy. Dist.

10/6
1837

in your office and by the Gen: Supt of P. W. Stores for comparison.

4- I addressed the Supt of P. W. Stores on the 18th October 1877, but only received a reply on the 22nd Instant. Famine works have probably caused this delay. I append copy of his last letter.

5- M. wills have resulted to the inmates of the Asylum from the delay. And as they now obtain filtered water, I beg respectfully to suggest that the Construction of the 3m tank and fitting be not carried out. This will save the expenditure of Rupees 3,400 ——.

I have the hon to be
Sir
your most obt Servant
Jeremiah Haspi R. E.
District Engineer

12
1329

Roads and Buildings

Ferozepore

The District Engineer

Salgaon

The

The Colleg Engineer

C. & M. A

Madras

No 538

Dated 27th February 1878

Sanctioning estimates &c.

Proposed improvements to the Ferozepore Jail (roads, terraces) water supply and drainage — submitted for sanction and provision of funds (in lieu of the estimate passed in G.O. No 393 dated 9th July 1877) as Revised letter No 58 dated 27th February 1878 for Rs 2,720 for —

60 - 7 July 1877 No 393. M.
- 6 Feb - - 1195
- 23 Feb - - 378
- 11 Jan - - 109.
- 14 Nov 1876 - 3057.
- 22 Aug - - 2307
- 30 Aug - - 2360
- 27 Mar - - 777
- 21 Feb - - 171.

12/3 12/4/3

Jails

No 1339 M Jails Funds Department

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the 15th March 1878

Read the following :—

From

The District Engr. Salgaon (No. No 58 of 27th Feby 1878)

In G.O. No 393 M dated 9th July 1877 an estimate of Rs 2720 comprising the following items was sanctioned and funds for the works were appropriated

| | | |
|---|---|---|
| 1. | Constructing a filtering Reservoir at the Lawrence Asylum Ootacamund | Rs 930. |
| 2. | Improving drainage of the Plateau at do | " 830 |
| 3. | Constructing two iron cisterns to store filtered water on the plateau — | " 960 |
| | | 2720 |

With the foregoing

letter the District Engineer submits a revised estimate of Rs 5200. The excess is almost wholly due to the third item viz Cisterns for storing filtered water Lookring to the great expense of the work, and to the fact that the inmates are now ~~drawing~~ supplied with filtered water, the sanction to this item previously accorded will be cancelled.

GAT 13.3.78

1859/19

Dist. Engr. Nadiad 8
for P.W. Secty. 15
Educational Dept. 7
Bom. 25.3.78 17

read. 2 in 345

Dept. of Metropolitan
PUBLIC WORKS

Rec'd [illegible]

15 Nov 1337 [illegible]

Nos. 193-194.

Lawrence Asylum. Relocation of ... Petitions to cancel the donation for ... recently accepted from ... Sterling, ... for ... filling ... water ...