Archives I 10,006—16-8 77.

(1) Number of pages 20

32 (2) Date of repair 13-8-87

(3) Initials of the Referencer

# TAMIL NADU ARCHIVES

## GOVERNMENT OF TAMIL NADU

P.W.D. DEPARTMENT

| | | |
|---|---|---|
| G.O. No.<br>B.P. No. | 857 W. | Press.<br>Mis. |
| Dated | 28. 3. 1884 ~~197~~. | |

*Not to be folded or roughly handled*

60

28th March 1884, No. 857 W., Public Works.

857/1

## GOVERNMENT OF MADRAS.

## PUBLIC WORKS DEPARTMENT.

### Buildings and Roads.
### Civil Works.

Read—the following letter from Colonel T. E. TENNANT, Inspector-General of Jails, to the Chief Secretary to Government, dated Madras, 17th March 1884, No. 78:—

I have the honor to forward the accompanying letter from Mr. Grimes, Superintendent, Central Jail, Coimbatore, with which that officer submits a supplemental estimate, amounting to Rs. 1,878-11-4, for improvement to the jailor's quarters at Coimbatore.

No. 62, dated 4th March 1884.

2. The original estimate, sanctioned in G.O., No. 1998 W., dated 19th July 1883, amounted to Rs. 1,350. The necessity for revising the estimate is explained by Mr. Grimes, who requests permission to make the necessary expenditure from the funds sanctioned for the close-prison in G.O., No. 3270 W., dated 16th November 1883, so as to complete the work before the close of the current official year.

No. 664, Judicial.

Transferred to the Public Works Department.

Fort St. George,
21st March 1884.

E. F. WEBSTER,
Chief Secretary.

Order—dated 28th March 1884, No. 857 W., Public Works.

The revised estimate, amounting to Rs. 1,878, for constructing an upper-story to the jailor's quarters in the central jail at Coimbatore, is sanctioned, in supersession of the estimate referred to in G.O., No. 1998 W., dated 19th July 1883.

2. A sum of Rs. 528 is allotted to the work by transfer from the Provincial reserve.

3. This sanction has been registered as Provincial No. 245 W. of 1883-84, and classified as Civil Buildings, Original Works.

(True Extract.)

Major, R.E.,
Under Secy. to Govt., P.W.D.

To the Inspector-General of Jails, with five enclosures.
" Judicial Department.
" Superintending Engineer, IV Circle.
" Examiner, Public Works Accounts.

Exd. E. Fernandez.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

## Govt. of {1884} Madras.
## PUBLIC WORKS.

*Dated March, 28th.*

*Recd.* *Encl.*

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**G.O., 28th March 1884, No. 857 W.**

---

**MARCH.**

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**Jailor's Quarters at Coimbatore**

Estimate for constructing an upper-story to the —, sanctioned.

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857/2

## GOVERNMENT OF MADRAS.

## PUBLIC WORKS DEPARTMENT.

**Buildings and Roads.**
**Civil Works.**

Read—the following papers :—

From Colonel T. E. TENNANT, Inspector-General of Jails, to the Chief Engineer, Public Works Department, dated Ootacamund, 13th August 1883, No. 216.

| | |
|---|---|
| 1 Site plan.<br>4 Tracings.<br>2 Letters. | 1 Detailed estimate.<br>1 Abstract estimate.<br>in duplicate. |

Adverting to Judicial Proceedings, No. 2376, dated 16th September 1879, authorizing the preparation of plans and estimates for the construction of a close cellular prison at Coimbatore, I have the honor to submit, for the approval and sanction of Government, the accompanying plans and estimates, amounting to Rs. 21,935.

2. It is proposed to build the whole of the work in pisé with the exception of the roof to the cells, which will be brick in chunam. The pisé work will be done by convicts under the directions of Mr. Grimes, the superintendent of the jail. I also propose to have the wood and iron work made up in the jail, and to employ convict labor as far as possible. The resources of other central jails in labor, &c., will be made to contribute to these works.

3. It has already been determined to establish cellular close prisons for the probation of long-sentenced prisoners at each of our central jails. The close prison at Coimbatore will consist of 6 radial blocks, consisting of 16 cells in each block. The dimensions of the cells are the same as those constructed at Palamcottah, which have been found from experience suitable.

Nos. 102 and 414, dated 5th and 20th July 1883 (to be obligingly returned).

4. I enclose, for information, the letters from the Superintendent and Executive Engineer.

5. I request that early sanction may be accorded and a sum of Rs. 10,000 allotted, as this amount was provided in the convict labor fund budget for expenditure on this work during the current official year.

### No. 1604 C.

*Memorandum by the Chief Engineer, Public Works Department.*

Letter from the Inspector-General of Jails, dated 13th August 1883, No. 216.

With reference to the project for a close prison at Coimbatore, submitted by the Inspector-General of Jails with his letter quoted above, the Chief Engineer observes that the stability of a compound or rather jail enclosure wall *15 feet* high, of pisé, 2 feet thick, is open to doubt. It is understood that a similar wall has been successfully built at Etawah, Oudh, but it is 14 feet high and 2½ feet thick.

2. The walls of the building are also to be of pisé. The cells are to be roofed with flat arches covered with concrete, each cell being 7 feet 6 inches wide. This roofing will weigh about 100 lb. per square foot, so each running foot of cross-wall (1 foot 6 inches thick) will have to carry a weight of 750 lb. Pisé may perhaps bear this, but bulging of the walls is to be apprehended.

BUILDINGS AND ROADS.
CIVIL WORKS.

**Govt. of (1884) Madras.**
**PUBLIC WORKS.**

*Dated March, 28th.*

*Recd.* *Encl.*

**G.O., 28th March 1884, No. 857 W.**

**MARCH.**

**Jailor's Quarters at Coimbatore**

Estimate for constructing an upper-story to the —, sanctioned.

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16th November 1883, No. 3270 W., Public Works.

857/2

GOVERNMENT OF MADRAS.

## PUBLIC WORKS DEPARTMENT.

**Buildings and Roads.**
**Civil Works.**

Read—the following papers :—

From Colonel T. E. TENNANT, Inspector-General of Jails, to the Chief Engineer, Public Works Department, dated Ootacamund, 13th August 1883, No. 216.

1 Site plan.
4 Tracings.
2 Letters.
1 Detailed estimate.
1 Abstract estimate. in duplicate.

Adverting to Judicial Proceedings, No. 2376, dated 16th September 1879, authorizing the preparation of plans and estimates for the construction of a close cellular prison at Coimbatore, I have the honor to submit, for the approval and sanction of Government, the accompanying plans and estimates, amounting to Rs. 21,935.

2. It is proposed to build the whole of the work in pisé with the exception of the roof to the cells, which will be brick in chunam. The pisé work will be done by convicts under the directions of Mr. Grimes, the superintendent of the jail. I also propose to have the wood and iron work made up in the jail, and to employ convict labor as far as possible. The resources of other central jails in labor, &c., will be made to contribute to these works.

3. It has already been determined to establish cellular close prisons for the probation of long-sentenced prisoners at each of our central jails. The close prison at Coimbatore will consist of 6 radial blocks, consisting of 16 cells in each block. The dimensions of the cells are the same as those constructed at Palamcottah, which have been found from experience suitable.

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2. The walls of the building are also to be of pisé. The cells are to be roofed with flat arches covered with concrete, each cell being 7 feet 6 inches wide. This roofing will weigh about 100 lb. per square foot, so each running foot of cross-wall (1 foot 6 inches thick) will have to carry a weight of 750 lb. Pisé may perhaps bear this, but bulging of the walls is to be apprehended.

3. The cross-section of the cells seems open to revision. There is only a small projection shown at roof surface level. It is important to keep the wall surface quite free from drip by throwing the roof drainage well clear of the walls. Down pipes might be desirable.

4. Plastering to the interior of the cells and Portland cement concrete might perhaps be dispensed with.

5. The Chief Engineer is doubtful as to whether it has been considered how the plaster is to be made to adhere to the pisé surfaces.

Some expedient must be adopted. Bits of tiles rammed into the surface will effect the object. Plastering on the bare surface of mud-walling peels off in large flanks.

flake

6. The use of pisé, if successful, will doubtless effect a large saving, but before laying the project before Government for sanction, the Chief Engineer would be glad if the Superintending Engineer would carefully consider the foregoing observations, and resubmit it with any suggestions or modifications which he may think called for, or state whether he is still prepared to accept the responsibility for the work in its present form.

7. All the wood-work should be well tarred to prevent the ravages of white-ants.

MADRAS,
28th August 1883.

(Signed) R. H. SANKEY, Major-General, R.E.,
Chief Engineer, P.W.D.

To the Superintending Engineer, Fourth Circle, with papers in original.

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From Colonel J. BEATTY, R.E., Superintending Engineer, Fourth Circle, to the Chief Engineer, Public Works Department, dated Ootacamund, 24th October 1883, No. 203 C.W.—(Through the Inspector-General of Jails.)

I have the honor to return, herewith, the papers sent me with your memorandum, No. 1604 C., of 28th August 1883. These plans and estimates were prepared by the Executive Engineer, Coimbatore, under instructions from the Inspector-General of Jails and in communication with the Superintendent of the central jail, Coimbatore.

- 1 Site plan.
- 4 Tracings.
- 1 Detailed estimate.
- 2 Abstract estimates.
- Executive Engineer's No. 793, dated 11th October 1883, with one enclosure.
- Executive Engineer's No. 414, dated 20th July 1883, with one enclosure.
- Inspector-General's No. 216, dated 13th August 1883.

2. It will be observed that all walls, &c., are to be in pisé; in fact, the only portions in brickwork are arches and the coping of the compound wall. The soil about Coimbatore seems specially suited to such work, which was successfully adopted in the construction of the buildings of the central jail by Mr. Grimes, who, I understand, is to construct the proposed close prison.

3. From my own inspection of the existing buildings I have no doubt the pisé can safely be used in the manner proposed, and probably the rates allowed in the estimates will be sufficient if Mr. Grimes remains at Coimbatore to carry out the work. This department has had no experience in such work, and if it be thrown on the Executive Engineer, who has not the same control over the convicts as the Superintendent, the rates will probably have to be revised.

4. The only alteration required in the estimate is in regard to the height of the compound wall which the Inspector-General agrees to reduce to 13 feet instead of 15 feet, and the saving thus effected may be applied to giving it increased thickness at bottom, say, 2½ feet instead of 2 feet.

5. The Inspector-General wishes the interior* of the cells plastered and the flooring* to be of cement concrete according to a specification which was lately submitted with the Vellore close-prison estimates.

* As provided in the estimate.

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6. I send, herewith, letters lately received from the Executive Engineer and the Superintendent of the central jail, to whom I sent copies of General Sankey's remarks for consideration.

*P.S.*—Probably Rs. 10,000 can be spent on these works before 1st April 1884 if they are sanctioned at once.

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## ENCLOSURES.

From J. P. DAVIDSON, Esq., Executive Engineer, Coimbatore Division, to the Superintending Engineer, Fourth Circle, Coimbatore, dated Pollâchi, 11th October 1883, No. 793.

In reply to your No. 605 C.I., of 5th September 1883, forwarding Chief Engineer's memorandum, No. 1604 C., of 28th August 1883, I have the honor to forward copy of demi-official from the Superintendent of central jail, Coimbatore, on the subject of pisé work.

2. The saving due to reducing the height of the wall of the enclosure from 15 feet to 12 feet will be Rs. 186, and with this reduced height I think there can be no doubt that the wall if built 2 feet thick will be safe; the thickness, however, might be increased to 2½ feet, and in this case the saving effected by reducing the wall 3 feet in height will cover the cost of increasing the thickness by ½ a foot.

- Executive Engineer's letter, No. 414, of 20th July 1883, with Copy of Jail Superintendent's No. 102, of 5th July 1883.
- Inspector-General's No. 216, of 13th August 1883.
- Chief Engineer's memorandum, No. 1604 C., of 28th August 1883.
- Copy of Jail Superintendent's demi-official letter of 5th October 1883.
- 1 Site plan.
- 4 Tracings.
- 1 Detailed estimate.
- 2 Abstract estimates, Rs. 21,935.

3. Regarding the roofing, the Superintendent, central jail, evidently did not intend loading his arches with concrete as given in the plans, and I am of opinion that there is no necessity for this concrete; if the arches be well built and carefully plastered, there should be no fear of leakage.

4. The saving due to this would be Rs. 1,555. In this case the cross-walls would merely be in the position of piers, but the end walls being abutments, it would be perhaps advisable to increase their thickness; buildings of the muster now proposed to be built, *i.e.*, arched roofs springing from pisé walls, are in existence at the jail, and would serve as a guide; they also prove that work of this kind can be satisfactorily carried out.

5. Regarding the drainage from the roof, if the arches be not loaded with concrete there would be no difficulty in discharging the water clear of the building by means of pipes laid at the junction of the arches.

6. A light parapet wall would be built to give a better appearance to the building and hide the arched roofs.

7. In the matter of plastering the pisé, the Superintendent anticipates no difficulty, as he has numerous pisé work buildings now standing which are plastered and whitewashed, and present all the appearance of buildings built in brick in chunam and plastered.

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Demi-official from the Superintendent, Central Jail, Coimbatore, to the Executive Engineer, Coimbatore Division, dated 5th October 1883.

In reply to yours of yesterday, returning the papers, plans, &c., of the close prison, I have read over the Chief Engineer's memorandum. I do not think there is any fear about the outer wall to the close prison coming down; there are numerous pisé walls* which have stood for years. One enclosing the quarantine wards is 15¾ feet in height, and has never moved since it was built some seven years ago. If care is taken in building and the proper material is used, these walls stand for years, and if they are built wider at the base than the top they will not give. However, there is no absolute necessity to build the wall as high as 15 feet; it can be reduced to 13 feet. If a convict once gets out of his cell, it makes little difference to him whether he has to escape over a 15-feet or 13-feet wall. Regarding the construction of the cells, I have four cells built in pisé measuring 12 feet × 8 feet × 9 feet to centre of arch. They were built in 1879, and are as strong as the day they were completed. The arch is on Stoney's principle—single brick on edge 4½ inch thick with ¾ inch surki mortar plaster; they have a parapet wall to catch the rain, with escape holes and pipes, and it was on this plan I intended to build the cells for the close prison. I did not look at the Palamcottah plans carefully and did not observe the great thickness of concrete over the arch as shown in the plan; but Stoney's arches have not this objection, immense weight, they are light and durable.

Unless pisé work is carefully plastered, the plaster does come off; but if care is taken to roughen the walls well and put the plaster on thin, rubbing it well down, the plaster stands as well as it does on brick-work.

* 2 feet thick.

I am perfectly willing to take the responsibility of the pisé work standing. I have had considerable experience in it, and have built an upper-storied house, out-houses, hospital, debtors' wards, cells in women's yards, outer enclosure walls, water-cisterns, open drains—in fact every description of building in pisé, all in as good preservation as brick and stone work. The soil here is most suitable for this description of work, and the rainfall being so light, pisé stands well, and is far cheaper than brick or stone work; and I will back a convict to take longer digging through a 2-feet pisé wall than through a brick wall of the same thickness.

I send Stoney's plan, which please return. You will observe the plan is for concrete arches and for brick arches. I have not tried the concrete arches, but have the brick ones.

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From Colonel T. E. TENNANT, Inspector-General of Jails, to the Chief Engineer, Public Works Department, dated Ootacamund, 26th October 1883, No. 302.

In continuation of my letter, No 216, dated 13th August 1883, I have the honor to resubmit the accompanying plans and estimates for the proposed close prison at Coimbatore, together with letter, No. 203 C.W., dated 24th October 1883, from the Superintending Engineer, Fourth Circle.

2. I have no further remarks to offer, but, if there exists any objection to the estimates on the score of expense, I beg to suggest the construction of 14 cells in each block, making 84 cells in all.

1 Site plan.
4 Tracings.
1 Detailed estimate.
2 Abstract estimates.
Executive Engineer's letter, No. 793, dated 11th October 1883, with one enclosure.
Do. No. 414, dated 20th July 1883 with one enclosure.
Inspector-General of Jail's letter, No. 216, dated 13th August 1883.
Superintending Engineer's letter, No. 203 C.W., dated 24th October 1883.

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ORDER—dated 16th November 1883, No. 3270 W., Public Works.

The estimate, amounting to Rs. 21,935, for constructing a close prison at Coimbatore, is sanctioned for entry in the budget for 1884-85. Meanwhile a sum of Rs. 5,000 is allotted from the Provincial Reserve to admit of an immediate commencement being made with the work, and materials collected.

2. This sanction has been registered as Provincial No. 167 W. of 1883-84 and classified as Civil Buildings, Original Works.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, Fourth Circle, with seven enclosures.
" Examiner, Public Works Accounts, with duplicate abstract estimate.
" Judicial Department, with two enclosures for return to the Inspector-General of Jails.

Exd. E. Fernandez.
Spare Copies

857/4

BUILDINGS AND ROADS.
CIVIL WORKS.

**Govt. of (1883) Madras.**

PUBLIC WORKS.

*Dated November, 16th.*

*Recd.* *Encl.*

**G.O., 16th Nov. 1883, No. 3270 W.**

**NOVEMBER.**

**Close Prison**

*An estimate for constructing a* — at Coimbatore, sanctioned for entry in the budget of 1884-85.

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p1

857/5

No. 78. Madras 17th March 1884.

From
Colonel T. E. Tennant,
Inspector-General of Jails.

To
The Hon'ble E. F. Webster,
Chief Secretary to Government
Fort Saint George.

Sir,

I have the honor to forward the accompanying letter from Mr Grimes, Superintendent Central Jail, Coimbatore, with which that officer submits a supplemental estimate amounting to Rupees 1878.11.4 for improvement to the Jailer's quarters at Coimbatore.

2. The original estimate sanctioned in G.O. No 1998 W, 19th July 188~~4~~3 amounted to Rupees 1350. The necessity for

for revising the estimate is explained by Mr. Grimes who requests permission to make the necessary expenditure from the funds sanctioned for the close prison in G.O. No. 327 W dated 16th November 1883, so as to complete the work before the close of the current official year.

I have the honor to be,
Sir,
Your most obedient Servant,
F. E. Tennant
Inspector General of Jails.

Jud. G.O. 19-7-83 : 1998 W.
" 2-8-83 : 2033 M.
" 7th-12-83 : 3234 M.

Judicial
CURRENT No.
Jail (1884) Department.
No. 2005

22 MAR 84
DEPARTMENT MADRAS

From

The Inspector General
of Jails.

To

The Chief Secretary
to Government
Fort Saint George

No. 664

Transferred to the
Public Works Depart.
ment.

[illegible]

Fort St. George
21/3/84

Chief Secretary
18-3.84.

Dated 17th } March 1884
Received 18th }

No. 78

Enclos. 7

Forwards letter from
Supdt. of Jail requesting
sanction of revised
estimate for addition
to Jailer's quarters
at Coimbatore.

---

Were there not some notes
made on original plan &
estimate when submitted? If so,
please put same on file. C.J.
26-3-84

O.W.

Please see notes
attached to No. 883 C of
2.5.83, now put on
the file.

C.J.
26.3.84

Sanction
C.J.
26-3-84

**Public Works Department, 1883-84.**

857/7

Current No. 2005
Letter No. 664
Dated the 21st March 1884
From the Chief Secy. to Govt.

NOTE OF REMARKS.

1. The accompanying is a revised estimate for the addition of an upper story to the quarters of the Jailor of the Central Jail at Coimbatore. The amount of the revised estimate is Rs. 1,878 – Rs. 528 in excess of the original, sanctioned in G.O. No. 1998 W. of the 19th July 1883.

2. The sum, Rs. 528, is divided under the following items:— Vengay wood – Rs. 278; doors and windows – Rs. 144; and Superintendence – Rs. 106. In the original estimate Vengay wood was set down at Rs. 1 per c. ft., the Jail Superintendent states the rate should be Rs. 2

O.W.

per 1 c. ft — undressed timber sells at Rs. 1-2-0 per 1 c. ft. With regard to the doors and windows, As. 9 per sq. ft were set down as the former rate; As. 15 per 1 sq. ft. are now found necessary. The item Superintendence was left out of the original estimate as there were then skilled convicts in the jail, equal to that work, but who have since been released. — A little foresight and care in the preparation of the original estimate would, in all probability, have rendered the submission of the present revised estimate unnecessary.

25th March/84
BSH

---

C. No. 2605.

**P. W. Secretariat.**

85/8

## Note by Budget Section.

Work Addition of an upper story to the quarters of the Jailor of the Central Jail at Coimbatore -

Remarks and References.

Fund Provincial

Service Head Civil Buildings

Departmental Head Original Works

| | | |
|---|---|---|
| Amount of Estimate Revised ... ... | Rs. | 1,878 |
| Expenditure in previous year ... ... | „ | " |
| Allotment in current year ... ... ... | „ | " |
| Balance required to complete ... ... | „ | 1,878 |

Total Rs. ...

### Note of available funds.

The original estimate for Rupees 1,350 ~~was~~ sanctioned in G.O. No. 1998 W of the 19th July 1883 was to be executed by the Jail Deptt from Jail Funds. Funds for the revised estimate should also be provided from the same source. If provided from the funds at the disposal of this Deptt, the amount should be transferred to the Jail Deptt.

28/3

Budget ~~Clerk~~

Note by Budget Section.

857W

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B & R
Yearly

No. 857W

PUBLIC WORKS DEPARTMENT.

857/9

## PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the
March 25 1884
READ the following

From the Judl. Depart. No. 664 d/ 21.3.84

The revised estimate, amounting to Rupees 1878, for constructing an upper story to the Jailor's quarters in the Central Jail at Coimbatore, is sanctioned, in supersession of the estimate referred to in G.O. No. 1998W dated 19 July 1883.

a

Note by Budget Section.

857 W

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No. 857 W

B & R

Public Works Department.

857/9

## PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the March 15th 1884

Read the following

From the Judl. Deptt. No. 664 d/ 21. 3. 84,

The revised estimate, amounting to Rupees 1878, for constructing an upper story to the Jailer's quarters in the Central Jail at Coimbatore, is sanctioned, in supersession of the estimate referred to in G.O. No. 1998 W dated 19 July 1883.

A

2. A sum of Rs 528 is allotted to the work, by transfer from the Provincial Reserve.

3. This sanction has been registered as Provincial No 245 C of 1883-84, & classified as Civil Buildings, Original Works.

28-3-84

28.3.84

To the Inspr. Genl. of Jails with five enclos
" Judl. Dept.
" S.E. IV Circle
" Garrison

3/4

2605

Govt. of (1883) Madras.

PUBLIC WORKS

(69)

Urgent 27/3

Dated

Recd.

Encl.

G.O. 28th March 4 857 W.

Nos.

Jailors Quarters at Coimbatore

Est for const of an upper story to the — Sanctioned

60/6

E&C 28/3

Jo 28/3

4/45 4/50

Entd in Reg [illegible]