M.R.O. 1—77,006—8-6-37.

(1) Number of pages 24

(2) Date of repair 6-12-37

3) Initials of the Referencer

# MADRAS RECORD OFFICE.

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## Government of Madras.

public works. **DEPARTMENT.**

G.O. No. 2966. Press / Mis.

415-426.

Dated 23—11— 1871.

***Not to be folded or roughly handled***

*Proceedings of the Madras Government, Public Works Department,*
*23rd November* 1871.

Read the following papers:—

No. 418. From the Superintending Engineer, 7th Division.
(Here enter No. 65, dated 29th June 1871.)

No. 419. Do. do. do.
(Here enter No. 74, dated 19th July 1871.)

No. 420. Do. do. do.
(Here enter No. 132, dated 30th September 1871.)

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No. 421. ORDER THEREON, 23rd November 1871, No. 2,966.

MILITARY WORKS, No. 16.

ORDERED that the following letter be sent:—

(Here enter No. 2,967, dated 23rd November 1871.)

(True Extract.)

(Signed) J. CARPENDALE, Colonel, R.E.,
*Secretary to Government.*

PUBLIC WORKS DEPARTMENT,
FORT ST. GEORGE, 23*rd November* 1871.

No. 422.

No. 2,967.

To

THE SECRETARY TO THE GOVERNMENT OF INDIA,
PUBLIC WORKS DEPARTMENT.

MILITARY WORKS, No. 17.

SIR,—With reference to paragraphs 15 to 17 of the letter from the Government of India, dated 12th November 1870, No. 1,205-B. M., I am directed to forward the accompanying statement showing clearly the several works which were sanctioned in connection with the Lawrence Asylum buildings at Lovedale, and the estimates for which amounted to Rupees 1,30,173, with the details of the outlay of Rupees 1,30,259 incurred up to 30th November 1869 on such of those works as were in progress prior to that date. It will be observed that the sum of Rupees 1,30,173, instead of representing the actual expenditure on works, was the total of the estimates for certain sanctioned works, four of which, as per margin, had not been commenced, while the outlay of Rupees 1,30,259 includes Rupees 22,337 on Police lines, the construction of which was approved by this Government in October 1866.

Plunge-bath.
Water-course, etc.
Water-service pipes and turbine.
Principal's stables.

I have the honour to be,
Sir,
Your most obedient servant,

Colonel, R.E.,
*Secretary to Government.*

Exd. E. C. Shunker

Tracings from time to time were received from

Kilkenny Range Office
No 102 Dated Kilkenny 4th Dec 1869

From Lieut Colonel W. Farewell
Executive Engineer
To Colonel G. W. Walker R.E.
Supdg Engineer 7th Div Coimbatore

Sir,

Your letter No 114 dated 25th November 1869, received on the 30th ultimo, together with its enclosure CO No 3679 of 18th Nov 1869, herewith returned - I have the honor to reply to your questions as follows:

1 The Tracings and Estimate for the "Main Branch" of the Lawrence Asylum were received direct from Mr Chisholm the original Sanctioned Plans I have never seen, those supplied were simple Tracings, these Tracings were received at intervals from December 1866 to October 1865 -

2 I have always understood that the Government were very anxious for the speedy Completion of these Works, which I have striven my utmost to accomplish - Having a large number of Workmen employed on other Sanctioned portions of the Work then in progress, and fearing to be obliged to discharge them as soon as work in hand was Completed, after frequent applications from me, various tracings from time to time were received, fin-

of foundation, Area of basement doors, Windows, lower Story & portions of upper Story of the Female Asylum, the tracings were supplied by Mr Nicholson and not from your Office - The Estimate was not received until the 16th Inst. above noted - I acted on the plans supplied, as it was supposed Government had sanctioned them, and looked to me for early Completion of the Work - Some orders did emanate from you, indeed I could not for a moment have Commenced so important a Work without understanding - I had your authority Vide Ltr No 3442, dated 16th November 1865, & Ltr No 1075 of 5th April 1867, all the papers, Official & Demi-Official on the subject of these buildings, which have been kept as a record in my Office, are herewith forwarded as per list enclosed -

3. - In reply to para 3 of your letter, the only occasion which I can call to mind in which I acted on orders from any Member of Government without first referring your instructions was in the case of stopping the work at Stone House and which you disapproved of. The letter regarding which, was as desired, forwarded to you and bearing your Endorsement, is now with the other papers subject to you - Some Correspondence was also once carried on by me with the Inspector General of Jails on a subject on which you also must justly found fault with me, which

N.B. referring to certain proposed alterations in the Jail Buildings

which matter however, I did all I could to explain to you - Generally you have always disapproved of the mode in which the Work of the Lawrence Asylum was being Carried on without regular Plans & Estimate, Tracings only being supplied as urgently required for the progress of the Work from time to time; while at the same time I felt you absolved me from all blame, seeing I was acting with the view of pleasing the Government & hastening the Completion of buildings which had through want of regular Sanctioned Plans & Estimate been so long delayed. -

4 Immediately I received a portion of the plans & Elevation of the Lawrence Asylum, I mentioned frequently to Captain Hankin, Mr Nicholson & yourself, that I was of opinion that the building could never be built for any Estimate made on any data, every possible exertion was made to do the work within the Range data, but as the work moved forward, it was found that the Doors & Windows, Masonary flooring and roofing, all, considerably exceeded the Range rates as I expected, and I have always understood I did not stand alone in this opinion, but that the Estimate would be exceeded was anticipated as

as an acknowledged fact well known to all concerned — In Mr Fitzhobson's letter at last forwarding the Estimate he suggested that the rates be revised — Reliable data was being sought to enable the revision recommended to be carried out, but was necessarily delayed in consequence of the very varied style of work required for the buildings, each portion as completed, showing different rates of cost, I therefore, to prevent the necessity of a revision of any revised Estimate, determined to wait until we had Completed such portion of the work as would enable us to make a true & close Estimate of the Cost, this Mr Hawkins sudden removal was very hurriedly prepared to allow of his immediate relief of charge of the work, and Consequently I fear it is not as correct as I would desire, while the stoppage of the work in the sudden way in which want of funds has necessitated its being closed will probably add one or two per cent more to the cost of the work remaining to be done. I would note that Mr Fitzhobson in his Estimate, as before furnished out by me, with some few exceptions used exactly my Range rates per Square of different kinds of Masonry, Doors, Windows, Flooring &c. My data allows only for the plainest description of Masonry and the smallest scantlings with due regard to stability for timber work, without any ornamentation — Now in measuring up Mr Fitzhobson's designed work as carried out in the buildings, I find in his openings & floorings his scantlings differ much from the Range data, being Considerably greater in every place, while his Brickwork Composed of timber grounds, splayed door & window jambs, ornamental heading, superior facing, panelling buttresses, Cornice &c, work never before tried by the Workmen obtainable on the Range, while in Carpenters roofs the 35 & 40 feet span, the same rate as the 30 feet span, the same rate as that charged for 18' & 20' is used, which is ridiculous seeing that they Cost very nearly half as much again per Square, I would also here note that this argument is proved to be Correct in as much as in none of the other buildings completed, have the Estimates been exceeded, and I understand that the Estimate for the Library of Botanic Gardens also designed by Mr Fitzhobson and Estimated for on my Range data which work was not executed by this Dept^t has exceeded the Estimate in about the same proportion as the Lawrence Asylum Estimate — In proof of the Corrections made to do justice to Mr Fitzhobson's designs

designs I would very respectfully beg to point out that all who have seen the work either while it was in progress or since its completion, unanimously speak of the best description. The only place in which superior materials to those estimated for by Mr Chisholm were used, is in roofing where Continuous Iron is used instead of the useless flat tiles, which was done according to suggestions published in G.O. No 2552, dated 21st August 1867. Had Mr Chisholm had seen it, it was supposed he would have included it in his Estimate. The other instance is the use of Teak wood instead of Granite Stone for flooring for the Lower Story Dormitory passages of the South & West wings. Lower Story granite flooring, though cheaper than teak wood flooring, would have taken so long to execute, being pressed to complete as much of the building as possible to allow of its early occupation vide G.O. No 2157, dated 7th July 1868, I was induced to use it instead of Stone which probably would not have now been ready. Reliable data derived from the actual measurement of different descriptions of work done and to be done by Contractor is now being prepared by Lieut. Engineer

Morant R.E. the Officer in charge of the Lawrence Asylum works from which it is hoped a correct Estimate for the Female Branch of the Asylum will be prepared and shortly submitted.

I have &c

Signed/ W. Farewell Lt Col R.E.
Exc: Engineer

(True Copy)

W. Farewell Lt Col R.E.
Asst Engineer

Copy of Statement delivered to Colonel Orr on July 1870

Lawrence Asylum, Male Branch

| | | |
|---|---|---|
| Amount of Revised Estimate | Rs | 1,96,175-0-0 |
| Expenditure up to 30th November 1869 Rs | 1,75,738-2-5 | |
| Ist February to 8th May 1870 " | 1944-8-7 | |
| | Rs 1,77,682-11-0 | |
| Deduct Recoveries since Dec 1869 " | 187-13-10 | 1,77,494-13-2 |
| Balance of Estimate Rupees | | 18,680-2-10 |
| Value of Coach House Rs | 4400-0-0 | |
| Drainage of Male Asylum " | 4460-0-0 | 8,860-0-0 |
| Total to Credit of Male Asylum Estimate Rs | | 27,540-2-10 |
| Add Excess 3½ per Cent due (1) to the sudden transfer of Major Hankin (2) the sudden stoppage of the Works (vide Range Officers letter to the Supdg Engineer, No 140 of 11th October 1869, & No 152 of 4th Dec. 1869, para 4, Copy of which letters was laid before Government with Colonel Walker's letter No 184 of 15th July 1870, recorded under No 2885 of 30th March 1870), and (3) to the continued suspension of the Works for two months Supplies | " | 17,376-0-0 |
| Total required to Complete the Male Asylum | Rs | 1,45,216-2-10 |

Out of which Rs 24,000 are required to make the

the Male Asylum habitable by the Boys with any Comfort.

I have &c

Alexander Little Surgn
Asylums Corps in Charge

No. 74

Supdg Engineer's Office,
7th Division,
Camp Ranghiem 19th July
1871

From Lieut Colonel W. Farewell RE
Asylums Corps in Charge

To, The Secretary to Government,
of H.M. Madras

Sir, I have the honor to forward
the Copies of Trichinopoly Range letter
No 92 of 1st December 1869 and of
the Memorandum, Calls for—in
your Memo No 950 of 14th July 1871,
relative to the Male Branch of
the Lawrence Asylum Wacho—
I have the honor to be,
Sir,
Your most obed Servt

Alexander Little Surgn
Asylums Corps in Charge

Enclos: 2

Enclosure from
The Supdg Engineer
Trichinopoly
Range
Dated 1st Dec 1869

No. 3502/71

Copy of Memorandum
from the Secretary to Government
of Fort St George
No 950 Public
Dated 14th July 1870

Dep. 1871 Dec. 15
Dep. of Govt for Inter
From
No 3502
The Supt Cen[sus] for Ter
to
The Secretary to Govt D.
D. Nd. Indiana

Dated 19 July, 1871
Received 22 " "

Encloses 2

Forwards certain
Copies with reference
to the Lawrence Asylum
books called for in
Return No 50 of 14th
July 1871 —
No 2966. 2967. 23 Nov/71

No 419
to Cal[cutta] 10 Augt 71

Statement shewing the Amount Sanctioned and Expended on the undermentioned works connected with the Lawrence Asylum at Balaclava and prepared in reference to G.C.M.'s of 4th January 1871

| Description of Work | Details of the Sums comprised in Rs 130173 required in Para 2 of Indian Govt Order, bringing in Charges from Octr 1854 to 31st January 1871 | Details of actual Outlay on the Sanction of Rs 130173 up to November 1869 | Difference Increase | Difference Decrease | Remarks |
|---|---|---|---|---|---|
| 1. Excavating Sites | 21,262 | 21,212 | . | . | |
| 2. Play Sheds and work Shops | 52,213 | 50,665 | . | 1,548 | |
| 3. Plunge Bath | 5,350 | . | . | 5,350 | } Not commenced up to November 1869 |
| 4 Water Course &c | 2,354 | . | . | 2,354 | |
| 5 Compensation for Lands | 4,500 | 4,943 | 443 | . | |
| 6 Roads and Approaches | 10,000 | 12,852 | 2,852 | . | |
| 7 Water Service Pipes & Turning | 2,000 | . | . | 2,000 | Not commenced up to November 1869 |
| 8 Servants Houses | 15,354 | 15,200 | . | 154 | |
| 9 Principals Stables | 6,050 | . | . | 6,050 | Not commenced up to November 1869 |
| 10 Police Lines | . | 22,331 | 22,331 | . | |
| | 130173 | 130259 | 25632 | 25546 | |
| | | | 25546 | | |
| | | | 86 Net Increase | | |

Supdg Engrs Office J.C.L.C.
Calcutta 29th June 1871

Wharton Lt Col R.E.
Offg Supdg Engr J.C.L.C.

Sup. letter from the Supg Engineer to the Secretary to Govt. P.W.D. No 65, dated 29 June 87.—

PW 3105/11

Statement shewing the Amount sanctioned and expended on the Lunatic Asylum at Botacamund.

and included in the sum of Rs 1,30,259, in the Police Lines for which an Estimate of Rupees 21,614 was Sanctioned in G.O. No 3259 dated 12th October 1866 from funds allotted for the whole project.

3. I enclose a Statement shewing the items which comprise the correct expenditure of Rs 1,30,259. This sum agrees with that shewn in the last Column of the Statement included in para 14 of the India Government letter.

4. Regarding para 5 of the G.O. under reply, below is the Statement called for.

| | Estimate | Expenditure up to end of 31st March 1871 | Balance | Value of work remaining to be done. | Remarks. |
|---|---|---|---|---|---|
| | Rupees. | Rupees. | Rupees. | Rupees. | |
| Male Asylum | 49,645 | 48,128? | 9,188 | 25,323 | Inclusive of 3% for Establishment over the Estimate. |
| Servants Quarters and Grain boiling Shed for Principal | 1,840 | 498 | 1,342 | 1,342 | |
| Cook Rooms for Inmates | 1,760 | " | 1,760 | 1,760 | |
| Drainage of Square | 8,920 | 4,460 | 4,460 | 4,460 | |
| Principals Coach house and Stables | 4,400 | 4,400 | " | " | |
| | 67,565 | 49,645 | 16,750 | 32,885 | |

5. For the reasons explained in my letter No 182 of 4th December 1869 forwarded with Colonel Walkers letter to Government

No 184 of 15th February 1870 and as shewn in a Memorandum personally furnished by me to Colonel Arbuthnot Secretary to Government in July 1870 the Range Officer reports a probable excess over Estimate of Rs 3/4 per Cent or a little less than that noted in my Memorandum which he states will cover everything. This Sum if such is necessary may receive the formal Sanction of the Madras Government.

I have the honor to be,
Sir,
Your most obedt Servant

Lt Colonel R.E.
Exg Supdg Engr 2nd Div

Public Works Department

Proceedings of the Madras Govt.

No 2961 Under date the

Received the following

From the Supdg Engineer, Cuddapah, No. 65 of 29th June 1871

" " " " " 66 of 29th June 1871

" " " " " 67 of 23rd September 1871

Endorsement of the following

Letter No. 2965.

To The Secretary to the

Government of Madras

With reference to para

graphs 16 & 17 of the letter from

the Government of India

dated 12th November 1870

No 1205 P. W.

directing to forward the accounts

connecting Expenditure on the

Lawrence Asylum

Works.—

No 2966. 2967. 23rd Nov 71.

P. W. 1871 Dept.

From the Govt of Madras

No 3105.

The Supg Engineer

7 Dr.

To

The Secretary to Govt

P. W. Department

Madras

No 65

Dated 29th

Rec'd 3rd July } June 871.

Enclosure V

Reports on the accounts

connected with the

Expenditure on the

Lawrence Asylum

Works.—

No 2966. 2967. 23 Nov 71.

P. W. 12 Oct/71 Nos 299-310

" 30 " Nov/71 " 429-435

" 4 Jany/72 " 11-12

C. Lo 418.

Date 10th August/71

15-6-08

Items on the Estimates for the Sanctioned Regd. Works.

Estimates for which amounted to Rs 130.173, with the details of the outlays of Rs 130,259 incurred upto 30th November 1869 on such of those works as were in progress prior to that date. It will be observed that the sum of Rs 130.173, instead of representing the actual expenditure on works, was the total of the estimates for certain sanctioned works, four of which, as per margin, have not been Commenced, while the outlays of Rs 130,259 includes Rs 22,337 on Police Lines, the Construction of which was approved by the Govt in Oct 1866.

Plunge Bath
Water Course &c
Water Pennee Pipes & Turbine
Barrack Blocks.

Recd 24/11/71 with letter dated
the statement.

Nov 15th

3105 &c.

# Govt. of {1871} Madras.

## PUBLIC WORKS.

To The Secretary to the Govt of India

Dated

Read. 2nd. 5

G. O. 23rd Nov. 1871, No. 2966-296

Nos. 418 & 421 & 422

Orders.

Lawrence Asylum. Sanc
orders on letters from th
Secy of the 7th Jan
Explaining certain
items in the Estimate
for the Lawrence Asylu
Works.

Letter of
Explaining Certain