

Public Works (1896) Department. ⁶⁵⁴⁵

G.O., No. 2529 W

DATED 1/9/96

[Despatch Abstract.]

Quarters: Estimate of Rs. 8390 for Con-
struction day and night — for the apothecary
Carries on duty in the General Hospital,
Madras, sanctioned with remission.

Government { 1896 } of Madras.
PUBLIC WORKS.

Spare copies

SEPTEMBER.

Estimate of Rs. 8,390, for constructing day and night — for the Apothecaries on duty in the General Hospital, Madras, sanctioned with remarks.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers :—

G.O., No. 734, Public, dated 11th July 1896.

Read—the following papers :—

From the Surgeon-General, Madras, dated 16th May 1896, No. 108-Tour.

I have the honour to forward, for favour of sanction, a plan and estimate for constructing day and night rooms for the Apothecaries on duty in the General Hospital over the existing out-patient department, the cost of which amounts to Rs. 8,140.

2. The necessity of constructing these quarters was fully explained to the Honourable Mr. Bliss, C.I.E., during a late visit he made to the hospital. It is very necessary that these subordinates should have good rooms in which they can eat their food or rest when not actually on duty in the wards. No other rooms are available for them in the hospital.

From the same officer, dated 2nd July 1896, No. 239-Tour.

With reference to your memorandum No. 1154, Public, dated the 8th June 1896, I have the honour, in transmitting the plan and estimate therein forwarded, to state that the three rooms alluded to are absolutely necessary. One is intended for European, and another for Native Apothecaries. Separate rooms are, therefore, essential for each of these classes of subordinates. The third room is required for the Dental Surgeon's use, as the room so marked in the plan is now occupied as the day room of the Apothecaries on duty and is constantly in use after 9-30 A.M., for the reception of the accident and other cases that come for treatment at all hours of the day and night.

Order—No. 734, Public, dated 11th July 1896.

The plan and estimate are approved and will be transferred to the Public Works Department.

2. The information afforded in the Surgeon-General's second letter should have been furnished in the first instance.

(True Extract.)

(Signed) W. W. PHILLIPS,
for Chief Secretary.

Note by the Chief Engineer, Public Works Department.

The Chief Engineer considers the section, 12" x 6", proposed for the rolled steel beams somewhat weak. As each beam is liable to carry about 20 tons, a section of 18" x 7" weighing 75 lb. to the foot run would be more suitable. This alteration, costing Rs. 250, will raise the estimate from Rs. 8,140 to Rs. 8,390. The estimate, as thus increased, is recommended for sanction.

2. The plan and estimate should be signed by the Consulting Architect.

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Chief Engineer.
26th August 1896.

ORDER—No. 2529 W., dated 1st September 1896.

The estimate of Rs. 8,390, as altered by the Chief Engineer, for constructing day and night quarters for the Apothecaries on duty in the General Hospital, Madras, is sanctioned.

2. The Consulting Architect will report the amount that can be spent on the work during the current official year.

3. Attention is drawn to the note by the Chief Engineer recorded above.

4. This sanction has been registered as Provincial No. 64 W. of 1896-97, and classified as Civil Buildings—Original Works.

(True Extract.)

Under Secretary to Government.

To the Consulting Architect to Government, with four enclosures.
" Examiner, Public Works Accounts.
" Public Department.

Exd. T. K. Narayana Aiyangar.

A. Este for constructing day and night
quarters for the apothecaries on duty
in the General Hospital Madras.
No. 2529 W., dated 1st September 1896.

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

2P

Read the following

Proceedings, Public Dept, No. 734 dated July 11, 1896.

Note by the Chief Engineer:—

The Chief Engineer
considers the section, 12" x 6",
proposed for the rolled steel
beams somewhat weak. As
each beam is liable to carry
about 20 tons, a section of
18" x 7" weighing 75 lbs to the
foot run would be more
suitable. This alteration,
costing Rs. 250, will raise the
estimate from Rs. 8,140 to
Rs. 8,390. The estimate, as
thus increased, is recommended
for sanction.

2. The plan and estimate
should be signed by the
Consulting Architect.

Current No. 6545

Letter No. 734

Dated 11th July 1896

From the Public Department

NOTE BY TECHNICAL SECTION.

Name of work Continuation day & night quarters for the apothecaries on duty in the General Hospital, Madras.

Amount of estimate Rs 8,140.

The plan & estimate under review amounting to Rs 8,140, provide for continuation day & night quarters for the apothecaries on duty in the General Hospital at Madras over the existing out-patient's Dispensary.

The accommodation proposed is 3 rooms, each 25'6" x 25'6", one for European and another for native apothecaries and the third for the Dental Surgeons use. These rooms will be built in continuation with the existing Students' rooms with a passage of 10 1/2 ft between & with front & rear verandahs 10'6" wide, as per tracing plan.

The walls of the proposed extension are to be built to a height of 12'3" to top of joists with brick in chunam & with flat arches over doors & windows and plastered with 2 coats of chunam. The roof will be terraced with brick on edge.

Order:—

The estimate of No. 8390, as altered by the Chief Engineer, for constructing day and night quarters for the apothecaries on duty in the General Hospital, Madras, is sanctioned.

2. The Consulting Architect will report the amount that can be spent on the work during the current official year.

3. Attention is drawn to the note by the Chief Engineer recorded above.

4. This sanction has been registered as Provincial No. 645 of 1896-97 and classified as Civil Buildings, Original Works.

T. H. B. C. M.

29/7/96

20. The Engr. Architect (4) with Engrs.
" Examiner P. U. Accts.
" Public Dept.

edge of over track joints & rolled steel girders spaced 8 1/2 feet apart. The top of the existing basement floor roof will be levelled with concrete & plastered with 1 1/2" of cement mortar as floor for the proposed extension. Doors & windows will be of teak of the descriptions noted in the estimate & painted with 2 coats of white paint.

The scantlings for roof timbers are correct & the ratios as far as can be examined, are fair.

The section proposed for the rolled steel beam, viz. 12" x 6", appears to be considerably weak to carry the load of 20.7 tons on each span of 25 1/2 feet. Thus:

Weight to be carried:
Timber — 25.6' x 8.6' x 9" x 120 = 19,507
Joists — 18 x 8.6' x 3" x 6" x 46 = 880
Accidental load 25.6' x 8.6' x 120 = 26,010
Total lbs 46,397

or 20.7 tons.

W = Load in tons on whole span.

W = Distributed load in tons that one foot will carry.

W = W L = 20.7 x 25.5 = 527.85 tons

which corresponds to a section 18" x 9" weighing 75 lbs per foot run, with the coefficient of stress C, vide page 23, plate No. 57 of Diagrams & Design Tables on steel sections.

If the revised section now proposed be adopted, the amount of the estimate would be increased by Rs 250, or nearly 1.35 tons in excess of estimate quantity.

The plan & estimate have been countersigned by the Surg. General with the Govt. of Madras & approved in the Public Dept. but they have not been countersigned by the Consulting Architect.

X^{no}. 19.8.96.

The Chief Engineer considers the section, 12" x 6", proposed for the rolled steel beams somewhat weak. As each beam is liable to carry about 20 tons, a section of 18" x 7" weighing 75 lbs per foot run would be more suitable. This alteration will increase the estimate by Rs 250.

The plan & estimate should be signed by the Consulting Architect.

Raise estimate of Rs 250 to Section with note as above.

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no 8.86

No 2529W, dated 1st September 1896

O. No. 6575

P. W. Secretariat.

Note by Budget Section.

Work

Constructing day and night quarters for the apothecary on duty in the General Hospital, Madras.

Fund

Service Head

Departmental Head

Amount of Estimate

Expenditure in previous year

Allotment in current year

Balance required to complete

Provincial
Civil Buildings
Original Works

Rs. 8,140

" "

" "

" 8,140

Total Rs... 8,140

Note of available Funds.

The balance at the credit of the Provincial Reserve is Rs 49,049. Rs 30,000 have to be reserved for works at Gout Houses, Madras & Quindry, and for the drain near the Fort. The balance, viz Rs 19,049 will be available for other works.

CMR

19.8.96

Note by Budget Section.

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3,000-10-00.

Public Department.



PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following papers:-

From the Surgeon-General, Madras, No Tour dated 16th May 1896:-
108

I have the honour to forward for favor of sanction a plan and estimate for constructing day and night rooms for the Apothecaries on duty in the General Hospital over the existing out-patient department, the cost of which amounts to Rs 8140/-.

2. The necessity of constructing these quarters was fully explained to the Honourable Mr Bliss C.I.E., during a late visit he made to the hospital. It is very necessary that these subordinates should have good rooms in which they can eat their food or rest when not actually on duty in the wards. No other rooms are available for them in the hospital.

From the same officer No Tour, dated 2nd July 1896:-
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With reference to your Memorandum No. 1154, Public, dated the 8th June 1896, I have the honour, in transmitting the plan and estimate therein forwarded, to state that the three rooms alluded to are absolutely necessary. One is intended for European, and another for Native, Apothecaries. Separate rooms are, therefore, essential for each of these classes of Subordinates. The third room is required for the Dental Surgeon's use as the room so marked in the plan is now occupied as the day room of the Apothecaries on duty and is constantly in use after 9-30 A.M. for the reception of the accident and other cases that come for treatment at all hours of

of the day and night.

ORDER:- No 734, dated 11th July 1896.

The plan and estimate are approved and will be transferred to
the Public Works Department.

2. The information afforded in the Surgeon-General's
second letter should have been furnished in the first instance.

(True Extract)

W. D. Phillips

for Chief Secretary.

The Public Works Department (with plan and Estimate) ✓

Surgeon-General.

Gobt. of 1896 Madras.
Public

To The Public Works
Department.

Encls 4
(16)

Acas: 21.7.96

Proceedings, No. 734 dated 11th July 1896.

Subject.

Approving and trans-
ferring to the P.W.D.
the plan and Estimate
for constructing day
and night quarters
for the Apothecaries
on duty at the General
Hospital.

P.L. 343 R 31/8-