

6771

Public Works (1896) Department.

G.O., No. 26296

DATED 11th September
1896

[Despatch Abstract.]

Property Rooms. : Estimate of Rs. 44,764 for
Constructing - for the High Court, Small Cause
Court and City Civil Court at Madras
Sanctioned with remarks in supersession of
the estimate of Rs. 26,900 sanctioned in G.O.
2850W of 8. Nov 1895.

12/9

20/4

Estimate of Rs. 44,764 for constructing — for the High Court, Small Cause Court and City Civil Court at Madras, sanctioned, with remarks, in supersession of the estimate of Rs. 26,900 sanctioned in G.O., No. 2850 W., dated 8th November 1895,

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers :—

From C. G. TODHUNTER, Esq., Acting Registrar of the High Court of Judicature, Madras, to the Chief Secretary to Government, dated 19th May 1896, No. 1901.

I have the honour to forward, for the sanction of Government, the accompanying plans* and estimates amounting to Rs. 44,764, for the construction of property-rooms for the High Court and Small Cause and City Civil Courts, received from the Consulting Architect to Government, and to state that they have been approved by the High Court.

- * 2 Tracings.
- 1 Report.
- 1 Detailed estimate.
- 1 Abstract estimate.
-
- 5 Enclosures.
-

No. 1101.

Referred to the Judges of the Court of Small Causes, Madras, for favour of information as to whether the plans and estimates meet with their approval.

(By order.)

OOTACAMUND,
1st June 1896.

(Signed) W. FRANCIS,
Ag. Under Secretary.

From M.R.Ry. M. O. PARTHASARATHY AIYANGAR Avergal, Acting Chief Judge, Court of Small Causes, Madras, to the Chief Secretary to Government, dated 13th July 1896, No. 508.

I have the honour to return the plans and estimates for the construction of property-rooms for the High, Small Cause and City Civil Courts, forwarded with the endorsement No. 1101, dated the 1st ultimo, and to state that they meet with the approval of my colleagues and myself.

No. 1462, Judicial.

Approved and transferred to the Public Works Department.

OOTACAMUND,
23rd July 1896.

(Signed) W. FRANCIS,
Ag. Under Secretary.

Note by the Chief Engineer, Public Works Department.

The Chief Engineer has the honour to observe that the section provided for the plate girders is unnecessarily strong for the weight to be carried. A girder 30" x 10½" is provided, where one 21" x 12" would suffice; but as plate girders of the former dimensions are reported to be available in stock, it is presumed that it is proposed to make use of them for that reason. The Consulting Architect will state whether such is the case. The sections of some of the rolled beam joists, on the contrary, seem slight as will appear from the following statement:—

	Estimated.	Calculated by the Chief Engineer.
Small Cause Court	6" x 4½"	6" x 5"
Verandah	6" x 5"	8" x 6"
High and City Civil Courts	6" x 4½"	8" x 4"

The Consulting Architect will be requested to state how he arrived at his calculations.

The plans should be signed by the Registrar of the High Court before the work is put into execution.

5th September 1896.

(Signed) D. McNEIL CAMPBELL, Col., R.E.,
Chief Engineer.

ORDER—No. 2629 W., dated 11th September 1896.

The estimate, amounting to Rs. 44,764, for constructing property-rooms for the High Court, Small Cause Court and City Civil Court at Madras is sanctioned in supersession of the estimate of Rs. 26,900 sanctioned in G.O., No. 2850 W., dated 8th November 1895.

2. Attention is drawn to the Chief Engineer's note recorded above.
3. The expenditure on the work to end of 1895-96 was Rs. 9,231 and the current year's grant is Rs. 17,900. This allotment will, if necessary, be augmented later in the year on application by the Consulting Architect.
4. The sanction accorded in paragraph 1 of these Proceedings has been registered as Provincial No. 73 W. of 1896-97 and classified as Civil Buildings—Original Works.

(True Extract.)

Under Secretary to Government.

To the Consulting Architect, with five enclosures.
" Examiner, Public Works Accounts.
" Judicial Department.

Exd. T. K. Narayana Aiyangar.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following

Letter from C. G. Doddhunter Esq.,
Acting Registrar of the High
Court of Judicature, Madras, } R 1901 dated 19 May 1896.
Letter from M. R. M. Parthasarathy Aiyangar Esq., Acting
Chief Judge, Court of Small
Causes, Madras, } R 508 dated 13 July 1896.
Endorsement in the Judicial
Department } R 1462 dated 23 July 1896.
Note by the Chief Engineer, P. W. Department of 5 September 96.

The estimate, amounting
to Rs. 44,764 for constructing
property rooms for the High Court,
Small Cause Court and City Civil
Court at Madras is sanc-
tioned in supersession of the
estimate of Rs. 26,900 sanc-
tioned in G.O. R 2850 W dated
8th November 1895

2. Attention is drawn
to the Chief Engineer's note
recorded above.
3. The expenditure on the
work to end of 1895-96 was
Rs. 9,231 and the current
year's grant is Rs. 17,900. This
allotment

allotment will, if necessary, be augmented later in the year on application by the Consulting Architect.

4. The sanction accorded in para 1 of these Proceedings has been registered as Provincial No 73 W of 1896-97 and classified as Civil Buildings, Original Works.

5/9/96

Curry 4.9.96.

T. H. B. C. C.

Curry 27/9/96

The Consq. Architect
with Encl
" Examiner P. W. Accounts
" Judicial Department.

Current No. 6771
Letter No. 1462
Dated 23rd July 1896
From the Judicial Department.

Curry 26.4.96

NOTE BY TECHNICAL SECTION.

Name of work Constructing Property rooms for the High, Small cause and City Civil Courts at Madras.

Amount of estimate Rs 44,764.

The plans and estimate under review, amounting to Rs 44,764, have been framed with reference to Gov. No 594 W dated 17th Feb 1896 and provide for Constructing Property rooms for the High, Small cause and City Civil Courts at Madras.

The amount of the estimate is made up as follows:

- (a) Property rooms — Rs 33,252
- (b) Sheds for attached carriages — 1,25
- (c) Flooring existing cattle sheds with granite slabs } 23
- (d) Providing 1" thick plate glass to high rooms in Court } 638
- (e) Laying & taking up foundations of property rooms as originally sanctioned — } 28
- (f) Dividing seven walls with pipes Rs 469 & Red Hills Rs 45 } 514
- (g) Forming road with latheite R.

Total Estimate Rs 44,764

The Chief Engineer has the honour to observe that the section provided for the plate girders is unnecessarily strong for the weight to be carried. A girder 30" x 10 1/2" is provided, whereas 21" x 12" would suffice. As the plate girders of the former dimensions are reported to be available in stock it is presumed that it is proposed to make use of them for this reason. The Consulting

An estimate amounting to Rs 26,900. was originally sanctioned for this work in G.O. No. 2850 dated 8th Novr. 1895 which provided for the following works for the Small Cause Court only.

- (a) A building for depositing distressed goods.
- (b) Two sheds for attached carriages
- (c) Throwing the existing cattle sheds with granite slabs
- (d) Providing plate glass in floors of Court rooms.

Of the above it is reported, that items (b) & (c) have been completed & that the plate glass order item (d) ordered by indent on the Indian Office, also that the foundations for item (a) completed together with a portion of tie beams, doors & windows prepared at the time orders were issued to stop work, as the site selected was objected to.

The accompanying plan & estimate therefore provides for constructing a combined building to serve as property rooms for the High, Small Cause and City Civil Courts, on a new site selected by H.E. the Governor and the Honble the Chief Justice.

The combined property rooms will be constructed as per plan, & will consist of a large central room, measuring $62\frac{1}{2} \times 60$ ft. This room will be divided in the centre by an arched wall

Arched wall will show whether such is the case.

The sections of some of the raked beam joints,

on the contrary, seem slight as will appear from the following statement:-

	Estimated	Calculated by the Chief Engineer
Small Cause Court	6" x 4 1/2"	6" x 5"
Verandah	6" x 5"	8" x 6"
High & City Civil Courts	6" x 4 1/2"	8" x 4"

The Consulting Architect will be requested to state how he arrived at his calculations.

The plans should be signed by the Registrar

of the High Court before the work is put into execution

Execution

CLOS

1.8.96

Sanction letter like as

above

1.8.96

will cover to form two rooms each 60×30 ft. This portion of the combined property room will be utilized by the Small Cause Court for property attached to it. On either side of this large room there will be two smaller property rooms, one $58\frac{1}{2} \times 18$ and the other 45×18 with a front verandah $18 \times 11\frac{1}{2}$.

The two rooms on the right of the building will be the property rooms of the High Court & those on the left of the building for the City Civil Court. A wide verandah $62\frac{1}{2}$ feet long will be built in front of the property rooms of the Small Cause Court as per plan, for auction sale etc.

The surface soil is reported to be made earth and the sub soil sand, with spring level 8 feet below surface.

The foundations are proposed to be laid with concrete throughout to a depth of 7 feet. The base of the main rooms & verandahs will be raised 3 feet & that of the end rooms raised one foot and built of stone bricks in chunam. The superstructure walls of the Small Cause property rooms & front verandah will be 18 feet high, High & City Court rooms $13\frac{1}{2}$ feet & the two end rooms

rooms 12 1/2 feet high & built of Claym pressed bricks with archwork over voids. The interior of the building will be plastered with 2 coats of chunam and the exterior painted black with tar & sand composition. The floor will be of Cudapah slabs laid over 4" of concrete throughout except the end rooms which will be of rough granite laid over 4" of concrete. The roof will be fire proof made up of arches laid between rolled steel joists resting on plate girders with concrete above. The steel joists will be spaced 5 feet apart & the plate girders 10 feet apart. The roof arches will have a rise of 5 inches or 1 inch 6 or 8 feet. The doors & windows will be of corrugated iron framed to iron framing.

The ratios are fair.

The plan area of the building is 10,432 sq ft & the cost per sq ft will be Rs 3-2-3.

The sections proposed for the rolled steel & plate girders appear in some cases to be slight & in others too strong, vide figures below:-

- W = Load in tons on whole span, uniformly distributed.
- w = Distributed load in tons that one foot will carry.
- l = Length of span in feet.

Joists of Small Cane Court.

Span 10 feet & the distance apart from centre to centre 5 feet.

Load: masonry $10 \times 5 \times 1.3 = 62.5 \text{ Ck}$
deduct segment $10 \times 1.61 \text{ area} = 16.1$
Total Ck 46.4.

$46.4 \text{ Ck} \times 120 \text{ lbs} = 5568$
accidental load $10 \times 5 \times 120 = 6000$

Total load in lbs 11,568

or 5.17 tons
 $W = WL = 5.17 \times 10 = 51.70$
which corresponds nearly to a coefficient of stress C, vide page 26 & 27 of Borman & Long tables plates 76 & 78. Therefore a section 8" x 4" or a section 6" x 5" will be required & not 6" x 4 1/2" as provided for in estimate. The section 6" x 5" would be more suitable as the flange is greater than a section 8" x 4".

Joists of front verandah of Small Cane Court. span 15 feet & distance apart from centre to centre 5 feet.

Load: masonry $15 \times 5 \times 1.3 \times 120 = 11,250$
deduct segment $15 \times 1.61 \text{ area} = 2898$
Total lbs 8352

Add accidental load $15 \times 5 \times 120 = 9000$

Total load in lbs 17,352

or 7.75 tons.

$W = WL = 7.75 \times 15 = 116.25$
for which a section 8" x 6" will suit vide plate 75, page 26 & not 6" x 5" as estimated.

Joists of High & City Civil Courts.
 Span 18 ft & distance 5 feet apart.
 Load: masonry $18' \times 5' \times 11\frac{3}{4}" \times 120 = 13,500$
 deduct segment $18' \times 1\frac{1}{2}' \times 120 = 3,478$
 Total lbs 10,022
 Add accidental load $18' \times 5' \times 120 = 10,800$
 Total load in lbs 20,822

or 9.3 tons.
 W = $9.3 \times 18 = 167.4$ tons for
 which a section $12" \times 5"$ is ample
 & this section the estimate provides
 vide plate 66, page 25.

Joists of verandahs of High & City
 Civil Courts, span $11\frac{1}{2}$ feet & distance
 apart from centre to centre 5 feet.
 Load: masonry $11\frac{1}{2}' \times 5' \times 11\frac{3}{4}" \times 120 = 8,625$
 deduct segment $11\frac{1}{2}' \times 1\frac{1}{2}' \times 120 = 2,222$
 Total lbs 6,403
 Add accidental load $11\frac{1}{2}' \times 5' \times 120 = 6,900$
 Total load in lbs 13,303

or 6 tons.
 W = $6 \times 11\frac{1}{2} = 69$ tons.
 a section $8" \times 4"$ will be required,
 vide plate 76, page 26, against
 the estimated section of $6" \times 4\frac{1}{2}"$

Plate girders of Small Cause Court
 Span 30 feet & distance apart 10 feet.
 Load: masonry $30 \times 10 \times 11\frac{3}{4}" \times 120 = 45,000$
 deduct segment $6 \times 10 \times 1\frac{1}{2}' \times 120 = 11,592$
 Total lbs 33,408
 add weight of joists $7 \times 10 \times 20 = 1,400$
 add accidental load $30 \times 10 \times 120 = 36,000$
 Total load in lbs 70,808

or 31.6 tons for which a section
 $21" \times 12"$ will be ample vide page
 145, plate PQ, for a 32 feet span,
 against

against the estimated section of
 $30" \times 10\frac{1}{2}"$

Abstract.

	Estimated	Proposed
Plate girders	$30" \times 10\frac{1}{2}"$	$21" \times 12"$
joists of Small Cause Court	$6" \times 4\frac{1}{2}"$	$6" \times 5"$
- do - do - verandah	$6" \times 8"$	$8" \times 6"$
- do - High & City Courts	$12" \times 5"$	$12" \times 5"$
- do - do - verandah	$6" \times 4\frac{1}{2}"$	$8" \times 4"$

The plate girders of a section $30" \times 10\frac{1}{2}"$
 are reported to be available in
 stock & the other rolled steel joists
 as per sections estimated have
 been ordered by indent on the
 India Office.

In regard to the remarks made
 by the Chief Secy. to the Hon. Mr. John
 on judicial endorsement W. 1462
 dated 23rd July 1896. It is submitted
 that no reduction can be ~~effect~~
 effected on the proposed work,
 taking into consideration its
 close proximity with the High
 Court buildings, unless the
 materials of construction be alter-
 ed. This will not be feasible
 as the building is the first
 proof one.

The estimate above has been
 countersigned by the Registrar
 High Court & not the plans,
 they are however approved in
 the judicial Dept.

W. 26.8.96

G. No. 6771

No 2629 W, d, 11-9-96

P. W. Secretariat.

Note by Budget Section.

Work Constructing property rooms for the High, Small Cause and City Civil Courts at Madras.

Fund	Provincial
Service Head	Civil Buildings
Departmental Head	Original Works
Amount of Estimate	Rs. 44,764
Expenditure in previous year	" 9,231
Allotment in current year	" 17,900
Balance required to complete	" 17,633
Total Rs.	44,764

Item 83 Part I, Class A Works of the Provincial Budget for 1896-97

Note of available Funds.

The balance at the credit of the Provincial reserve is Rs 34,442. Rs 30,000 will have to be reserved for works at Fort. Houses, Guindy and Madras, and for the drain near the Fort. It will thus be seen that there is left Rs 4,442 only available for other works.

any additional allotment required may be provided later in the year.

CML
26.8.96

Cm
26/8

D.W.

Orders are solicited as to whether the pencil additions to the draft made by H.E. may be inked in -

Mij
26/9/96 9/9/96

If note ^{yes} taken for reference by 7 this week ^{copy 9.9.96.} 9/9/96 11/9/96

Note by Budget Section.

No. 2629W, d. 11-9-96

5-P P. W. Department
C. R. 6771.

Note by the Chief Engineer,
P. W. Department:

The Chief Engineer has the honour to observe that the section provided for the plate girders is unnecessarily strong for the weight to be carried.

A girder 30" x 10½" is provided, where one 21" x 12" would suffice but as plate girders of the former dimensions are reported to be available in stock it is presumed that it is proposed to make use of them for that reason.

The Consulting Architect will state whether such is the case.

The sections of some of the rolled beam joists, on the contrary, seem slight as will appear from the following statement:—

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High and City Civil Courts	6" x 4½"	8" x 4"

The Consulting Architect will be requested to state how

arrived at his calculations.

The plans should be signed
by the Registrar of the High Court
before the work is put into ex-
ecution.

5/9/96

EW

CMS
4.9.96.

No 508.

Court of Small Causes
Madras, 13 July 1896.

From

CURRENT No 3172

M.R.Ry.

M.D. Parthasarathy Aiyangar Aiyangar,

ag. Chief Judge,

Court of Small Causes,

Madras,

3 P

To

The Honble Mr. J. F. Price, C.S.I.,

Chief Secretary to the

Government of Madras.

Sir,

I have the honor to return the plans and Estimates
for the construction of property-rooms for the High,
Small Cause and City Civil Courts, forwarded with
the endorsement No 1101 dated the 11th ultimo, and to
state that they meet with the approval of my
colleagues and myself.

I have the honor to be,

Sir,

Your most obedient servant,

Parthasarathy
Aiyangar

ag. Chief Judge.

M

1896
CURRENT No. 2172

Mr. ap. Chief Judge,
Court of Small Causes,
Madras.

Mr. Chief Secretary to the
Government of Madras.

CHIEF SECRETARY
GOVERNMENT OF MADRAS
13 JUL 1896

Dated 13 July 1896.
Despatched 15
Received 15
Rs. 16

Encs: 7 (Ch. 172)

Subject.

Returning the plans & estimates for
the construction of property-rooms for
the High, Small Cause & City Civil Courts,
after approval of the Judges.

No 2850 W 8-11-95 No 1432 C 13-3-96
171 W 16-1-96 2160 C 6-5-96
594 W 17-2-96 2346 C 28-5-96
775 W 4-3-96 1765-6 W 15-6-96
871 W 10-3-96

T for
23.7.96

CURRENT No. 6771

Mr. 23/7. 2171/96
H. M.
2171/96

Submitted No. 1462. 2171/96
Approved & transferred

to the Public Works Dept.
Cotacameend
23 July 1896

17/7/96
Note: The cost seems very large, but apparently the building ought to be a good one. The building itself costs Rs. 33,000. one of the Rs. 44,000, Rs. 6,400 being spent on additional lighting of the clerks rooms in the Court about which there has already been correspondence & Rs. 2,800 on removing the foundations which were originally laid in the site afterwards rejected to.

To the Public Works Dept.
This is a little estimate but it is difficult to say where & if at all it can be saved. 25/7/96
11/1/9

CURRENT No. 2346

High Court of Judicature, Madras.
19th May 1896.

From

C. G. Todhunter, Esq.,
Acting Registrar of the High Court of Judicature, Madras.

To

THE HON'BLE MR. J. F. PRICE, C.S.I.,
Chief Secretary to the Government of Madras.

HON'BLE SIR,

I have the honor to forward for the sanction of Government the accompanying plans* and estimates amounting to Rs. 44,764, for the construction of property rooms for the High Court and Small Cause and City Civil Courts, received from the Consulting Architect to Government and to state that they have been approved by the High Court.

*2. Tracings.
1. Report.
1. Detailed estimate.
1. Abstract estimate.
5 Enclosures.

I have the Honor to be,
Honorable Sir,
Your most obedient servant,

C. G. Todhunter
Acting Registrar,
19.5. Appellate Side.

CURRENT No. 2346

Judicial { 1896 } Department.

344 D18-2-96 (abs)
2609 D18-12-95

C.P.
Endowment No. 1101.

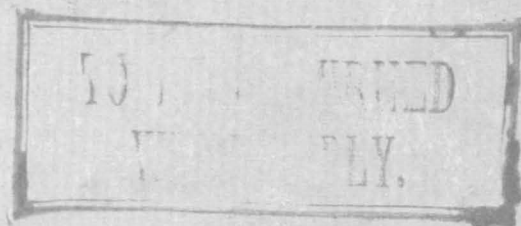
Referred to the Judges of the
Court of Small Causes,
Madras, for favour of
information as to whether
the plans & estimates meet
with their approval.

By order
Francis.

H. Under Secretary.

At.
22/5/96.

Detained
1st June 1896



To the Chief Judge, Court of
Small Causes, Madras.

From

THE REGISTRAR,
High Court of Judicature,
MADRAS.

To

THE CHIEF SECRETARY TO THE
GOVERNMENT OF MADRAS.

Dated

19th May

Sent

1896

Received

21
22

CHIEF SECRETARY
No. 1101.
21. MAY. 1896
GOVERNMENT OF MADRAS

Enclosures 2.

Subject.

Submitting for sanction of Government
plans and estimates amounting to Rs. 44,764
for the construction of property rooms for
the High Court and Small Cause and City Civil
Courts.