1344

Public Works (1896) Department.

G.O., No. 2999W

DATED 22" Octr 1[illegible]96

[Despatch Abstract.]

Government Central Museum Madras: Estimate of Rs. 10,770 for constructing a new work room, and a stuffing room and erecting teak racks in the present work room at the —, sanctioned with remarks.

22/10

[P. W. 26.
500—13-8-96.]

T.C 22/10

BACK PAPERS.

G.O.	No.	Department	Date	G.O.	No.	Department	Date

FURTHER PAPERS,

G.O.	No.	Department	Date	G.O.	No.	Department	Date

BUILDINGS AND ROADS.
CIVIL WORKS.

Government {1896} of Madras.

PUBLIC WORKS.

Recd. } 1896. *Enclosures*

Regd. } *Spare copies*

G.O., No. 2999 W., 22nd October 1896.

OCTOBER.

Government Central Museum, Madras

Estimate of Rs. 10,770 for constructing a new work-room and a stuffing-room, and erecting teak racks in the present work-room at the —, sanctioned with remarks.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following papers :—

From Lieutenant-Colonel C. C RAWSON, R.E., Acting Consulting Architect to Government, to the Chief Engineer, Public Works Department, dated Chepâk, 9th July 1896, No. 1875.

I have the honour to report that the plans and estimates referred to in paragraph 1 of G.O., No. 1021 W., dated 21st March 1896, were submitted for sanction through the Superintendent, Government Central Museum, on the 9th instant.

G.O., No. 545, Educational, dated 9th September 1896.

Read—the following letter from the Superintendent, Government Central Museum, Madras, dated 11th August 1896, No. 671 :—

With reference to paragraph 4 of G.O., No. 136, Educational, dated 9th March 1896, I have the honour to forward herewith, for sanction, plans and estimates furnished by the Consulting Architect for a new stuffing-room, and erecting plain teak racks in the present stuffing-room for the patent and other records, at the cost of Rs. 8,929 and Rs. 1,405, respectively.

Order—No. 545, Educational, dated 9th September 1896.

The plans and estimates are approved and transferred to the Public Works Department.

(True Extract.)

(Signed) F. J. WILSON,
for Chief Secretary.

Note by the Chief Engineer, Public Works Department.

The undersigned has the honour, with reference to the estimate for "constructing a new work-room and stuffing-room at Government Central Museum and erecting teak racks in the present work-room, estimate Rs. 10,334, to make the following remarks :—

(1) The surface soil is entered as clay and the sub-soil as sandy loam ; but as the depths are not stated, the necessity for having the concrete bed 5 feet below ground level is not clear.

(2) The concrete foundations are much too narrow for the superincumbent masonry. Instead of allowing footings of a foot, only from 4½ to 5 inches are provided. To make the foundations sufficiently broad, an expenditure of another Rs. 430 will be entailed ; but, as observed above, the necessity for having them 5 feet deep requires explanation. This raises the estimate to Rs. 10,770.

(3) The rise of the roof is shown on the plan to be less than one-fifth of the span. It should certainly be made to correspond in slope with that of the verandah, and of the detached room at the back of the verandah, a change entailing an alteration of rise to about one-fourth the span, and increasing the length of the rafters by 6 inches ; but the additional cost (some Rs. 14) incurred by lengthening the timbers will be trifling.

(4) A small saving may be effected by deducting the flat-arch brickwork from the ordinary brickwork, a detail which should have received attention when preparing the estimate.

(5) There are certain small clerical errors in the item iron work.

(6) The position of the 50-feet drain should have been shown in the plan, and details given for the items Rs. 150 and 200, being lump sums provided for two Cuddapah slab tables and for connecting the cistern with the Red Hills water, respectively.

2. The estimate, as raised to Rs. 10,770, is recommended for sanction subject to the above remarks.

9th October 1896. (Signed) D. McNEIL CAMPBELL, Col., R.E.,
Chief Engineer.

Order—No. 2999 W., dated 22nd October 1896.

The estimate, amounting to Rs. 10,770, as altered by the Chief Engineer, Public Works Department, for constructing a new work-room and a stuffing-room, and erecting teak racks in the present work-room at the Government Central Museum, Madras, is sanctioned.

2. Attention is drawn to the Chief Engineer's note recorded bove.

3. The Consulting Architect will report what sum can be spent on the work before the close of the current official year.

4. The sanction accorded in paragraph 1 of these Proceedings has been registered as Provincial No. 92 W. of 1896-97, and classified as Civil Buildings—Original Works.

(True Extract.)

Under Secretary to Government.

To the Consulting Architect to Government, with eight enclosures.
„ the Examiner, Public Works Accounts.
„ the Educational Department.

Exd. T. K. Narayana Aiyangar.

No. 2999 W. d/ 22" October 1896.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the

READ the following

From the Constg. Architect to Govt. No. 1875, dated 9th July 1896.

G.O. No. 545 Educational, d/ 9 September 1896.

Note by the Chief Engineer, P.W.D. d/ 9 October 1896.

The estimate amounting to Rs 10,770, as altered by the Chief Engineer, P.W. Department, for constructing a new work-room and a stuffing-room and erecting teak racks in the present work-room at the Government Central Museum, Madras, is sanctioned.

A.S.H. 17.10.96

2. Attention is drawn to the Chief Engineer's note recorded above.

3. The Consulting Architect will report what sum can be spent on the work before the close of the current official year.

4. The sanction accorded in para 1 of these Pro: has

OS448. G.C. 12/10.

has been registered as Provincial No. 92 W of 1896-97 and classified as Civil Buildings, Original Works.

JWL
10/10/96

CWM
9.10.96

TK
/BCMP

The Consty Architect to Govt
with 8 Enclosures
a Examiner, P.W. Accounts
a Educational Deptt.

Mai

P.W. Department
C. No. 6229 and 8344

Note by the Chief Engineer, P.W.D.:—

ASH
17.10.96

The undersigned has the honour with reference to the estimate for "Constructing a new work-room and Stuffing-room at Government Central Museum, and erecting teak racks in the present work room, Estimate Rs 10,334, to make the following remarks:—

1. The surface soil is entered as clay and the subsoil as sandy loam: but as the depths are not stated the necessity for having the concrete bed 5 feet below ground level is not clear.

2. The concrete foundations are much too narrow for the superincumbent masonry. Instead of allowing footings of a foot, only from 4½ to 5 inches are provided. To make the foundations sufficiently broad, an expenditure of

another

another Rs 430 will be entailed: but, as observed above, the necessity for having them 5 feet deep requires explanation. This raises the estimate to Rs 10,770.

3. The rise of the roof is shown on the plan to be less than one fifth of the span. It should certainly be made to correspond in slope with that of the verandah, and of the detached room at the back of the verandah, a change entailing an alteration of rise to about one fourth the span, and increasing the length of the rafters by six inches: but the additional cost – some Rs 14 – incurred by lengthening the timbers – will be trifling.

4. A small saving may be effected by deducting the flat-arch brickwork from the ordinary brickwork, a detail which should have received attention when preparing the estimate.

5. There are certain small clerical errors in the item ironwork

6. The position of the 50 feet drain should have been shown in the plan; ~~while~~ and details given for the items Rs 150 and Rs 200, being lump-sums provided for two Cuddapah slab tables and for connecting the cistern with the Red Hills water, respectively.

2. The estimate as raised to Rs 10,770 is recommended for sanction subject to the above remarks.

9/10/96
Ew

CHED.
9-10-96

Memorandum

The undersigned has the honour ~~is, with reference to the following observations, found~~ with reference to the ~~necessary to return the~~ estimate for "Constructing a new work-room and Stuffing-room at Government Central Museum, and erecting teak racks in the present work-room, Estimate Rs 10384 to make the following remarks:-

1. The surface soil is entered as clay and the subsoil as sandy loam: but as the depths are not stated the necessity for having the concrete bed 5 feet below ground level is not clear.

2. The concrete foundations are much too narrow for the superincumbent masonry. Instead of allowing footings of a foot, only from 4½ to 5 inches are provided. To make the foundations sufficiently broad, an expenditure of another Rs 430 will be entailed: but as observed above, the necessity for having them 5 feet deep requires explanation. This raises the estimate to Rs 10870;

3. The rise of the roof is shewn on the plan to be less than one fifth of the span. It should certainly be made to correspond in slope with that of the verandah and of the detached room at the back of the verandah, a change entailing an alteration of rise to about one fourth the span, and increasing the length of the rafters by six inches: but the additional cost — some Rs 14 — incurred by lengthening the timbers will be trifling.

4. ~~Another~~ small saving may be effected by

I don't think it necessary to return the estimate to any officer. assume that the [illegible] whether knowing that the forwarding [illegible] as any buildings have been [illegible] in some [illegible].

I [illegible] to [illegible]: for [illegible] notes. I think the [illegible] deducting the flat-arch brickwork from the ordinary brickwork, a detail which should have received attention when preparing the estimate.

5. There are certain small clerical errors in the item ironwork.

6. The position of the 50 feet drain should have be shown in the plan; ~~while~~ and details ~~should be~~ for the items Rs 150 and Rs 200 being lump-sums provided for two Cuddapah slab tables and for connecting the cistern with the Red Hills water, respectively.

7. The estimate as ~~raised~~ revised to Rs 10,770 is recommended for sanction subject to the above remarks.

2/10/96.

R10770/- Estimate may be sanctioned, attention being drawn to the remarks of the Chief Engineer, P.W.D.

8/10/96

To

The C. A. to Govt. with enclos.

I think the estimate may be sanctioned with remarks as to the rocky foundation [illegible] & as to the pitch of the roof 1 $\frac{1}{5}$ [illegible] for examples of this I [illegible]

2/10/96

W.
Please see linked file. The Catalogue does not give the information. But they say in C.A.'s Office that 1/4 is usual.

C. No. 8344 2499.W P. W. Secretariat.

Note by Budget Section.

Work Constructing a new work and stuffing room and erecting teak racks in the present work room at the Govt: Central Museum, Madras.

Fund		Provincial
Service Head	...	Civil Buildings
Departmental Head	...	Original Works
Amount of Estimate	... ...	Rs. 10,334
Expenditure in previous year	...	" "
Allotment in current year	...	" "
Balance required to complete	...	" 10,334
	Total Rs...	10,334

Note of available Funds.

The balance at the credit of the Provincial reserve is Rs 157. It has been proposed that a sum of Rs 50,000 may be withdrawn from the grant for Establishment. If the proposal is sanctioned, there will be a sum of Rs 27,573 available for works after meeting the demand of Rs 22,584 from the Judicial Dept. for steel palings and iron railings obtained from Home for the Rajahmundry and Cannanore Central Jails and ordered to be met from the P.W. assignment.

CWR
29.9.96.

Note by Budget Section.

Public Works Department.

Current No. 8344.

Letter No. 545

Dated 9th September 1896.

From the Educational Department.

Our orders. CM 29-9-96.

TECHNICAL NOTE.

Name of Work Constructing a new Work Room and Stuffing room at the Govt: Central Museum & Erecting teak racks in the present Workroom.

Amount of Estimate, Rs. 10,334-

PARTICULARS OF ESTIMATE.

Main Building Constg = Workroom	Rs	8,929
Erecting teak racks in the ~~Subsidiary Buildings~~ present workroom	,,	1,405
Contingencies @ 5 per Cent Rs. 480 }	,,	
Petty Supervision @ 2½ per Cent ,, 241 }	,,	
Land Compensation	,,	,,
Total Rupees ...		10,334

Making the foundations broader

10334
436
10770

PARTICULARS OF CONSTRUCTION.

Depths should be stated.

Surface soil clay.

Sub-soil Sandy loam.

Foundations 5 ft in depth below ground level with brick jelly in mortar

Basement is to be raised 1'-6" and built of clinker bricks in mortar.

Walls are to be raised 12 ft to the bottom of tie beams and built of stock bricks in mortar with Flat arch work over doors and windows-

[P. W.-58 / 250—5-8-96.]

Plastering or Pointing Walls, interior & Exterior, to be plastered with 3 Coats of Chunam, polished –

Flooring to be laid with 6" Pressed bricks over a bed of 4" of Concrete & pointed with cement.

Roofing With Mangalore tiles and ½ inch thick Ceiling planks.

Doors and Windows Pannelled doors and Windows with iron bars.

Roof timbers Teak.

Scantlings Correct.

Rates Fair.

The plinth area of the main building is 4,043 square feet, and the cost per square foot will be Rs. 2-3-4.

The plans and estimates have been countersigned by the Superintendent, Govt. Central Museum and approved in the Educational Dept:

REMARKS.

The plan and Estimate under review amounting to Rs: 10,334 have been framed by the Consulting Architect in Consultation with the Supt: Govt: Central Museum, with reference to para 4 of G.O. No 136 Dt 9th March 1896, Educational.

The Estimate provides for Erecting a new Work & Stuffing room in the Compound of the Govt: Central Museum and for providing plain teak racks in the present Work room for storing books in connection with the Patent Library –

The main building is to Consist of a long room in the Centre, 60′×20′ with a back Verandah, 60′×7½′ Two End rooms (in front) Each, 20′×20′ Two — do — (in rear) " – 20′×15′

There is also to be a detached room on back of the main building, 20′×15′ & a Connecting Covered passage, 10′×6′

The concrete foundation under walls, below ground level, is 5ft. and the breadth provided in the Estimate with a projection of 5 inches on either side is 2′-6″, instead of 3′-8″ with a projection of 12 inches. If this Extra width is ordered, the cost of Concrete will exceed the Estimate by Rs: 431 as per details in the margin –

No 2 × 107′-5″ × 3′-8″ × 5′-0″ = 3939 Cft.
4 × 17-7 × 3-8 × 5-0 = 1289 "
4 × 16-3 × 3-8 × 5-0 = 1192
2 × 17-7 × 3-8 × 5-0 = 654
1 × 56-0 × 3-3 × 5-0 = 910
2 × 8-4½ × 3-3 × 5-0 = 272
2 × 24-11 × 3-8 × 5-0 = 914
2 × 12-7 × 3-8 × 5-0 = 461
Total Cft: 9,631
Dt. quantity in Est: 6,554
Extra Concrete Cft: 3077
at 14 Rs: per 100 Cft = Rs: 431.

The extra width is necessary: but, as the surface and subsoils are not described, it is not clear that a depth of 5 feet is required.

Roofing – The rise of the roof as per plan is only 4 ft; or less than 1/5th of the Span – It should be at least ¼th the Span so as to correspond with the slopes given to the verandahs and the detached room on back of the building.

Yes

By thus raising the roof of the main building, the rafters will have to be 6 inches longer than those provided in the Estimate and

and the Extra cost of wood work will be Rs: 14, which can be met within the Estimate. CWORS

Owing to a mistake in the Brick work for not deducting the Flat arch work, which item was taken Separately in the Estimate, there will be a reduction in the brick work item of Rs: 45. A reduction of Rs: 14 will also have to be made in the W. I. work for certain mistakes as corrected in pencil.

A drain 50 ft in length is provided in the Estimate, but it is not stated where to build it. It is probably from the Cistern outside the building to carry off the surplus water.

A lump sum of Rs: 150 for two Cuddappa slab tables (12'×4' Each) with teak wood stands is provided in the Estimate - The amount seems Excessive - Details are not available Either in the Estimate or in the Specification.

A lump sum of Rs: 200 is provided in the Estimate for Connecting the Cistern with Red Hills water. Detailed Est: not accompanying ~~the Es~~

AC
29-9-96.

C. A. / 7 500—9-6-96.

W. CURRENT No. 6229

L O No 112

Recd: 11.7.96

From

THE CONSULTING ARCHITECT
TO THE GOVERNMENT OF MADRAS,

To

THE Chief Engineer
P. W. D

No. 1875

Dated 9th
Despatched } July 1896.
Received

NO. OF ENCLOSURES.

Subject.

Reporting that plans & Estimates referred to in para 1 of G. O. No. 1021 W dt: 21.3.96 were submitted for sanction through the Superintendent Govt: Central Museum on the 9.7.96

No. 1021 W, dt 21-3-96
" 1391 C, dt 11-3-96
" 3006 W, dt 25-11-95
" 2855 W, dt 11-11-95
" 2762 W, dt 1-11-95
" 1221 W, dt 22-5-95

Await receipt of the estimate

13/7/96

O.L.S. 248 R 18/7

C. A. / 1 a. 2,000—13-7-95.

Office of the Consulting Architect to Govt.,
Chepauk, Madras,
7th July 1896.

No. 1875

2 Pcs

From

~~Henry Irwin, Esq., C.I.E.,~~
The Ag: Consulting Architect
to the Government of Madras,

To

The Chief Engineer
Public Works Department

Sir,

Enclosures.

I have the honour to report that the plans & Estimates referred to in para 1 of G. O. No. 1021 W dated 21st March 1896 were submitted for sanction through the Superintendent Government Central Museums on the 9th Instant.

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

8/7/96
Lt: Colonel RE
Ag: Consulting Architect to Govt.

[Pub. / 29]
1,000—29-7-96.

Public Works (1896) Department.

CURRENT No. 8344

3

From

The Educational Deptt

Order

No. 545

Dated 9th
Received 17th } September 1896
Registered "
Enclosures 8 (1 Plan)
Spare copies.

SUBJECT.

Approving & transferring to the P. W. D the plans & estimates for constructing a new stuffing room at the Govt. Central Museum & erecting teak racks in the present stuffing room

J/

O.L.S.448

BACK PAPERS.

G.O.	No.	Department.	Date.
	1021 W	P.W.	21-3-96

FURTHER PAPERS.

G.O.	No.	Department.	Date.

9313

[G./53]
3,000-3-7-96.

Educational *Department.*

Read the follow papers—
G O dated 9th Sept 1896 No. 545, Educational

CHIEF SECRETARIAT, MADRAS.

40

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following paper :—

From the Superintendent, Government Museum, Madras, dated 11th August 1896, No. 671.

With reference to para 4 of G.O. No136 Educational. 9th March 1896, I have the honour to forward herewith, for sanction, plans and estimates furnished by the Consulting ~~Arh~~ Architect for a new stuffing room, and erecting plain teak racks in the present stuffing room for the patent and other records, at the cost of Rs.8929 and Rs.1405 respectively.

++++++++++++++++++++++++

O R D E R:-No.545, Educational, dated 9th September 1896

The plans and estimates are approved and transferred to the Public Works Department.

(True Extract)

J Wilson
for Chief Secretary.

To

The Public Works Department, } with plans & estimates
,, Superintendent, Government Museum.

9313

8