Public Works (1896) Department.

G.O., No. 1695 W

DATED 8 June 96

[Despatch Abstract.]

New treasury with upstair rooms for the Treasury Deputy Collector at Nellore

Revised estimate for constructing a — sanctioned

[P. W. 25.
500—18-8-96.]

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.

Govt. of {1896} Madras.

PUBLIC WORKS.

Dated June, 8th.

Recd.

Encl.

G.O. No. 1695 W., 8th June 1896.

JUNE.

New Treasury with upstair room for the Treasury Deputy Collector at Nellore

Revised estimate of Rs. 17,900 for constructing a —, sanctioned, and Rs. 11,255 being the balance required to complete the work, appropriated from the Provincial reserve.

No. 1695 W., 8th June 1896.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following papers :—

Proceedings of the Board of Revenue (Land Revenue), Mis. No. 986, dated 26th February 1896.

Read—the following letter from W. J. H. LE FANU, Esq., Collector of Nellore, to the Secretary to the Commissioners of Land Revenue, dated 15th February 1896, No. 591 Acc. :—

I have the honour to forward herewith, countersigned by me, the revised plans and estimate, amounting to Rs. 17,900, for constructing a new treasury with upstair room at Nellore, received with letter No. 575 N.L., dated 9th instant, from the Superintending Engineer, II Circle, for transmission to Government.

Resolution—Mis. No. 986, dated 26th February 1896.

Submitted for the sanction of Government with reference to G.O. No. 3592, Revenue, dated 5th September 1895.

(True Copy and Extract.)

(Signed) R. C. C. CARR,
Acting Secretary.

Mis. No. 1172, Revenue.

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

2. It is observed that these will have to be slightly modified with reference to the proposal to provide increased accommodation to the Police guard, transferred in endorsement No. 930, dated 4th March 1896.

Fort St. George,
23rd March 1896.

(Signed) LIONEL DAVIDSON,
Ag. Under Secretary to Govt.

Note by the Chief Engineer, Public Works Department.

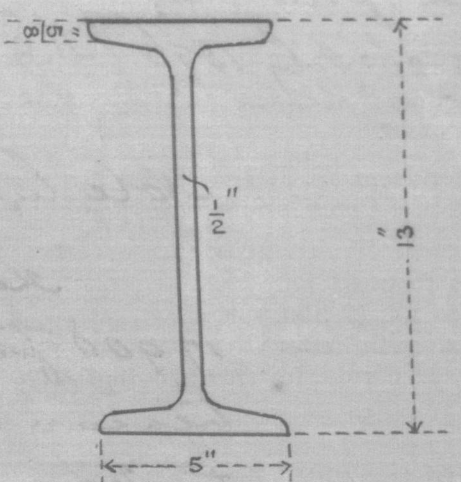
The revised estimate of Rs. 17,900 for constructing a new treasury with upstair room for the Treasury Deputy Collector at Nellore is recommended for sanction, subject to the following remarks :—

(*a*) The scantlings for the joists in the main rooms are slightly weak. A section of 3″ × 5¾″ should be allowed against 3″ × 5″ as estimated.

(*b*) The provision of one foot bearing on each wall for the wooden beams is insufficient. Fifteen inches should be allowed.

(*c*) It is proposed that the roof of the end verandah of the upper storey marked A in pencil on the plan should be supported on two masonry pillars 18 inches square, spaced 20·5 feet apart, carrying a wooden bressummer of a section 9″ × 17″. It would be preferable to put in a steel girder instead of a wooden bressummer. The weight to be carried (deadload) may be taken at 120 lb. per cubic foot of terracing

9" thick = 10 × 20·5 × $\frac{3}{4}$ = 154 cubic feet. 154 × 120 = 18,480 lb., of which the girder will carry half, *i.e.*, 9,240 lb. deadload, exclusive of parapet, which may be included as 120 lb. per cubic foot, allows a good margin. If a liveload of 120 lb. per square foot be added, an additional weight of 205 × 120 = 24,600 lb., or a total of $\frac{24,600 + 18,480}{2}$ = 21,540 lb. = 9·6 tons, will be obtained. For this, a steel girder of the section shown in the diagram below will do :—



(*d*) The window recesses should be done away with to ensure safety.

2. With reference to paragraph 2 of the endorsement in the Revenue Department, Mis. No. 1172, dated 23rd March 1896, proposing to modify the present design in order to provide increased accommodation for the Police guard, attention is invited to G.O. No. 904 W., dated 13th March 1896, from which it will be observed that a separate estimate for a Police guard has been called for. It will therefore not be necessary to modify the design as proposed.

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

23rd May 1896.

Order—No. 1695 W., dated 8th June 1896.

The revised estimate of Rs. 17,900 for constructing a new treasury with upstair room for the Treasury Deputy Collector at Nellore is sanctioned in supersession of the estimate of Rs. 12,920 sanctioned in G.O. No. 1702 W., dated 11th July 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. 6,645. The balance of the estimate, viz., Rs. 11,255, is appropriated from the Provincial reserve.

4. This sanction has been registered as Provincial No. 26 W. of 1896–97 and classified as Civil Buildings—Original works.

(True Extract.)

Under Secy. to Govt., P.W.D.

To the Superintending Engineer, II Circle, with enclosures.
„ Examiner, Public Works Accounts.
„ Revenue Department.

Exd. T. K. Narayana Aiyangar.

Spare Copies

[illegible] 1896.

A

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

B R
Civil works

READ the following

Endorsement in the Revenue Dept on Proceedings of the Board of Revenue, (L.R.) Mis No 986 dated 26 Feby 1896. (R.E. No 1172 Mis dd 23 March 96)

Note by the Chief Engr P. W. Dept.—

The revised estimate of Rs 17.900 for constructing a new treasury with upstair room for the Treasury Deputy Collector at Nellore is recommended for sanction subject to the following remarks:—

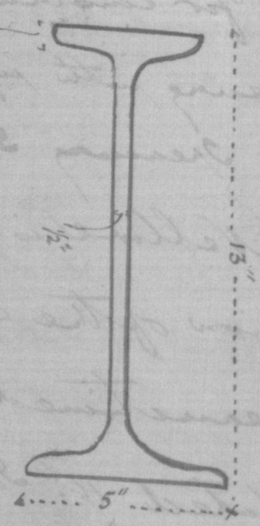
(a) The scantlings for the joists in the main rooms are slightly weak. A section of 3"×5 3/4" should be allowed against 3"×5" as estimated.

(b) The provision of 1 foot bearing on each wall for the wooden beams is insufficient. 15 inches should be allowed.

(c) It is proposed that the roof of the end verandah of the upper story marked A in pencil on the plan should be supported on two masonry pillars 18 inches square, spaced 20.5 feet apart, carrying a wooden bressummer of a section 9"×17". It would be preferable to put in a steel

40—300—6-3-96.

girder instead of a wooden bressummer. The weight to be carried (dead load) may be taken at 120 lbs per cubic foot of terracing 9" thick = 10×20.5×3/4 = 154 c.f. 154×120 = 18480 lbs, of which the girder will carry half, i.e. 9240 lbs dead load, exclusive of parapet, which may be included as 120 lbs per cubic foot. allows a good margin If a live load of 120 lbs per square foot be added an additional weight of 20.5 × 120 = 24,600 lbs, or a total of $\frac{24.600 + 18,480}{2}$ = 21540 lbs = 9.6 tons will be obtained. For this, a steel girder of the section shewn in the diagram below will do:—



(d) The window recesses should be done away with to ensure safety.

2. With reference to para 2 of the endorsement in the Revenue Dept. No. 1172 Misc: dated 23d March 1896 proposing to modify the present design in order to provide increased accommodation for the Police guard, attention is ~~drawn~~ invited to G.O. No. 900 W dated 13

205 × 120.

8. VI. 96.

Appd.
4.6.96

No. 1695 W, dy 8th June 1896.

from which it will be observed that a separate estimate for a Police guard has been called for. It will therefore not be necessary to modify the design as proposed.

E.W.

23.5.96.

Order thereon:— No. 1695 W, dy 8th June 1896.

The revised estimate of Rs. 17.900 for constructing a new treasury with upstair room for the Treasury Deputy Collector at Nellore is sanctioned in supersession of the estimate of Rs. 12,920 sanctioned in G.O. No. 1702 W dated 11th July 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. 6645. The balance of the estimate, viz., Rs. 11,255 is appropriated from the Provincial reserve.

4. This sanction has been registered as Provincial No. 26 W

of 1896-97 and classified as
Civil Buildings, Original Works.

~~H.E.~~

Deputy Collector's Treasury
at Nellore

28/5/96

CWR
23.5.96

I/Am
Bl[illegible]

D[illegible]D
2-JUL-96

S. E. II Circle with Enclos ✓
Ex P.W. Accts. ✓
Revenue Dept.

No. 1695 W, dd 8th June 1896.

C. No. 3048

P. W. Secretariat.

Note by Budget Section.

Work Constructing a new treasury with upper room for the Treasury Deputy Collector at Nellore.

Fund Provincial
Service Head Civil Buildings
Departmental Head Original Works.
Amount of Estimate ... ... Rs. 17900
Expenditure in previous year ... " 6,645 (ascertained from Cr's offic
Allotment in current year ... " "
Balance required to complete ... " 11,255
Total Rs... 17,900

Note of available Funds.

The amount at the credit of the Provincial reserve is Rs 4,11,080

CWR
13.5.96

H.E. 28/5

O.S. 98

Note by Budget Section.

1695 W

No. 1695 W, d/18th June 1896

Public Works Department.

Current No. 3048

Letter No. 1172 Mis.

Dated 23d March 1896

From the Revenue Department

NOTE BY TECHNICAL SECTION.

Name of Work New Treasury with upper room for the Treasury Deputy Collector at Nellore.

Amount of Estimate, Rs. 17,900

PARTICULARS OF ESTIMATE.

Main Building Rs.	16,419
Removing & rebuilding compound wall	500
~~Subsidiary Buildings~~ "	
Scaffolding	360
Contingencies 2/270 "	471
Petty Supervision "	..
Land compensation "	..
Clearing site	150
Total Rupees ...	17,900

PARTICULARS OF CONSTRUCTION.

Surface soil reported to be made soil to a depth of 3 ft.

Sub soil Do. gravel below above.

Foundations are to be laid with concrete throughout, the main walls to a depth of 5 feet and the verandah walls 3 feet

Basement is to be raised 2 feet and is to be built of laterite in chunam.

Walls are to be raised as per heights noted on the design & built of later: :ite in chunam with archwork over voids.

Plastering or Pointing the interior is to be plastered with chunam & the exterior pointed with chunam.

Flooring is to be of 2" Cuddapah slabs laid over 4" of concrete & pointed.

Roofing is to be terraced with brick on edge throughout over teak joists laid over girders.

Doors and Windows are to be of the descriptions noted in the estimate & painted with 2 coats of Carsons paint.

Roof timbers are to be of teakwood & painted with 2 coats of Zinc white paint.

Scantlings vide remarks below.

Rates many of the rates cannot be checked but data lists are submitted.

The plinth area of the main building is 5456 square feet, and the cost per square foot will be Rs. 3-3-7.

The plans and estimates have been countersigned by the Collector of Nellore and approved in the Revenue Department ~~Department~~. with remarks.

REMARKS.

This estimate has been revised with reference to G.O. No. 2161 R dated 29th August 1895 and provides for an upper room 35'6" x 20'6" for the Treasury Deputy Collector with verandah all round 8'6" wide.

The revised estimate also provides for additional iron grated shutters to the Treasury Office and the omission of glazed inner shutters & counter as requested by the Collector.

The following lump sum provisions have also been made, not originally provided for.

5 punkahs	Rs 125
Scaffolding	360
Clearing site	150
Arm racks & accoutrement pegs	30.

This might be corrected in C.E's note accompanying sanction.

Ees

To abolish this end verandah would spoil the appearance of the building, and make the front elevation look lop-sided. Besides which it (a verandah) would be more efficient than sunshades for keeping off glare. The latter, moreover, rapidly get out of order. It does not seem desirable to make the 15" x 18" beam, ~~downstairs~~ below, bear the weight of a pillar at C, and consequently part of the weight of the roof above as well. It

The scantling for the joists in the main rooms are slightly weak, the distance between points of support is 9 feet and according to table I of Standard Specifications, page 46, a section 3" x 5¾" should be allowed against a section 3" x 5" as estimated.

The provision of one foot bearing on each wall for the wooden beams appears insufficient; 15 inches it is submitted would be safer.

The roof of the end verandah of upper story, marked A in pencil, is proposed to be supported on 2 masonry pillars 18 inches square, spaced 20'.6" apart carrying a wooden bressummer of a section 9" x ~~15"~~ 17". It is submitted that these pillars appear to be weak, arched walls B. B. may be built or a cast iron column inserted in centre at point C supported by the lower beam which is of a section 15" x 18". It is also submitted that there appears to be no necessity for this end verandah, as the floors are on 2 separate levels i.e., with a drop of 3 feet between A & D. The verandah may be omitted & sun shades provided for the

lines

H.E. 285

two end windows as marked in pencil E on front elevation.

It will be observed that the windows in Treasury room have recesses & that the sills of windows rest on walls only 12 inches thick. This it is submitted appear to be unsafe for Treasury rooms. The recesses may be done away with and the wall built flush.

The Revenue Dept in approving of the plan & estimate remark that it will be necessary to slightly modify the design in order to provide increased accommodation to the Police guard but from G.O. No 904 dated 13th March 1896 it will be observed that an estimate for a separate guard house was called for in which case the modification will be unnecessary.

13.V.96.

In that case not necessary.

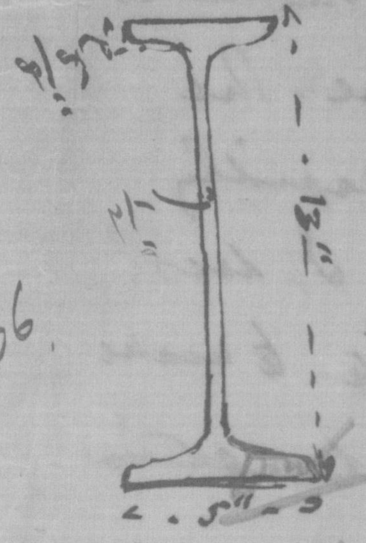
It would be preferable to provide a steel girder for the 20.5' span.

The weight to be carried (dead load) may be taken at 120 lbs per cubic feet of terrace 9" thick = 10 × 20.5 × $\frac{3}{4}$ = 154 c ft

154 × 120 lbs = 18480 lbs of which the girder will carry half = 9240 lbs dead load inclusive of parapet which may be included, as 120 lbs per cubic foot (allows a good margin). If a live-load of 120 lbs per sq: foot be added we get an additional weight of 205 × 120 = 24600

or total of $\frac{24600 + 18480}{2}$ = 21540 lbs

= 9.6 tons. For this a steel girder of the section shown in the annexed diagram will do (vide Dorman & Long's Catalogue - Plate 64)



What is the meaning of these pencil marks? C.W.W.S 23.5.96

The window recesses should be done away with for the safety.

13/5/96

Estimate may be sanctioned with the usual rule.

C.W.W.S
17.5.96

Recd 18/5/96.

0 L.S. 98

Proceedings of the Board of Revenue.

(Land Revenue)

Dated 26th Feby 1896, No 986 Mis.

Read the following letter from W.J.H.Le Fanu Esquire, Collector of Nellore, to the Secretary of to the commissioners of Land Revenue, Madras d/ 15th Feby 1896 No 591/acc.

1 Tracing
1 D.A Estimate
1 Report
1 Data
1 Calculation Sheet
1 Comparative Statement
6.

I have the honor to forward herewith, countersigned by me the revised plans and estimate amounting to Rs 17900. for constructing a new treasury with upstair room at Nellore, received with letter No 575 N.L. d/ 9th instant from the Superintending Engineer 2nd Circle for transmission to Government.

Resolution, dated 26 Feby 1896, Mis No 986

Submitted forthe sanction of Government with reference to G.O. 3592 Rev d/ 5th Septr. 1895.

(True Copy and Extract)

(Sd) R .C.C.Carr.

Ag. Secretary.

To the Secretary to Government, Revenue Department with 6 encls.

H.L. 28/5

$\frac{O}{18}$ 10,000—25-3-95.

(1896.)

~~REVENUE DEPARTMENT~~

~~Current Number.~~ 1628.

P. W. CURRENT No. 3048

From

The Board of Revenue,

Land Revenue.

No. 904 W d/13-3-96
2161 W d/29-8-95
1702 W d/11-7-95

Dated 26th Feby.1896.

Received 28th Feby.1896.

Enclosures 6.

No. 986 Mis.

SUBJECT.

Submitting for the sanction of Govt. plans and estimate for constructing a new Treasury with upstair room for the Treasury Dy.Collr.at Nellore.

ABSTRACT.

Enclos: 7 (1 Plan)

Recd: 25-3-96

Endorsement No.1172 Mis.

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

2. It is observed that these will have to be slightly modified with reference to the proposal to provide increased accommodation to the Police guard, transferred in Endorsement No.930, dated 4th March 1896.

Lionel Davidson
24.3

Ag.Under Secretary to Government.

Fort Saint George,
Dated 23rd March 1896.

To

The P.W.Deptt.

The Board of Revenue, L.R.

26-3-96

O.L.S. 98 R 8/6

circulated to the [illegible]