228 B

Copy of letter No. 3837 dated 16-7-96 from
the Executive Engineer, Bellary Div[illegible]
to the Superintending Engineer III Cir[illegible]

I propose to visit [illegible] [illegible] for the purpose of seeing the [illegible] officials and [illegible] for the smooth working of the [illegible] where there have been [illegible]. There I shall proceed to [illegible] [illegible] [illegible] [illegible] [illegible] of Government to the journey out of my Division.

No. 1101 of [illegible]

Submitted to the Chief Engineer Public Works Department with the request that he will be good enough to obtain the necessary sanction of Government under Article 1137 of the Civil Service Regulations. The journey is taken in connection with the [illegible] of the [illegible] [illegible] [illegible] [illegible] [illegible]

Public Works
~~Marine~~ (1896) Department.

G.O., No. 2256W

DATED 5/8/96

[Despatch Abstract.]

T. Lakshmana charlu tempy Clerk, Kistna Northern Dn

Prs Educational Dept exempting — from the examination rules, Communicated to Supdg Engr II Circle

[M. 4 / 4,000—28-10-95.]

BACK PAPERS.

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

FURTHER PAPERS.

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

[G/15]

6604

Govt. of {1896} Madras.

Educational

Recd: 22.7.96

To The Public Works Dept.

No. 2275 W dt/5th August 1896

Communicated to the Supdg. Engr. II Circle, with reference to his endt. No. 581 W. dated 2nd June 1896.

27/7/96

Proceedings, No. 427 dated 14th July 1896.

Subject.

Exempting T. Lakshmanacharlu, Temporary clerk, Kistna Northern Dn from the Exam. rules.

No. 2533 C, dt 13-6-96
" 797 W. d 29-3-95
" 887 C. d 7-3-95
" 1096 W, d 1-5-94.

DESPATCHED
5 - AUG. 96

INDEXE

S.E. II Circle

8/8

23/7 29/7

6

Educational

The Public Works
Dept.

427 14th July 6

Exempting T. Lakshmanacharlu, Temporary Clerk, Kistna Northern Division from the Examination

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[G. / 53]
3,000—3-7-96.

Educational Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following paper :—

Endorsement of the Public Works Department, No 2533 C, dated 13th June 1896, on letter from the Superintending Engineer, II^nd^ Circle No 581 KN, dated 2nd June 1896, requesting exemption, from the Examination rules, of T. Lakshmanacharlu, Temporary clerk, Kistna Northern Division.

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

ORDER :-No 427, dated 14th July 1896.

As special knowledge of stores is essentially required, the application for exemption is granted.

(True Extract)

W Francis

for Chief Secretary.

To

The Public Works Department.

No. 2257 W., 5th August 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. 2998, dated 1st July 1896.

Read—the following letter from Lieutenant-Colonel C. C. RAWSON, R.E., Superintending Engineer, V Circle, to the Collector of Tanjore, dated Chepâk, 6th June 1896, No. 135 M.:—

With reference to item 46, part I, class A, works of the final issue of the Provincial Civil Works budget for 1896–97, communicated with Government No. 1386 W., dated 1st May 1896, I have the honour to forward, for your approval and transmission, through the Board of Revenue, to Government for sanction, the enclosed estimate of Rs. 10,900 (with site plan and report) for constructing a Stationary Sub-Magistrate's office at Kumbakónam, for which a grant of Rs. 3,000 has been made in the current year.

The plan and estimate have been prepared in accordance with the type design which accompanied G.O. No. 427 W., dated 10th February 1895.

Endorsement by the Acting Collector of Tanjore, dated Vallam, 13th June 1896, No. 1566 Rev.

Submitted to the Board of Revenue (Land Revenue), with reference to its Proceedings, No. 491, Mis., dated 1st February 1894, communicating G.O., No. 1100, Revenue, dated 26th December 1893.

Resolution—Mis. No. 2998, dated 1st July 1896.

Submitted to Government in the Public Works Department for sanction.

(True Extract.)

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

Telegram from the Superintending Engineer, V Circle, to the Chief Engineer, Public Works Department, Ootacamund, dated Madras, 17th July 1896.

Stationary Sub-Magistrate's office, Kumbakónam. Surface alluvial, two feet six inches sub-soil sand, four feet compound wall built on old foundations; size of girders are usual stock sections of manufacture. India Office does not require drawings.

Note by the Chief Engineer, Public Works Department.

The Chief Engineer has the honour to observe that the section of the girders proposed for the clerks' and record rooms seems weak. The total weight to be carried is about 13 tons, and for this a steel girder of section 9″ × 7″, weighing 58 lb. per foot, may be adopted, instead of the girder 12″ × 5″, weighing 32 lb. per foot, provided in the estimate, the thickness of web and flange of which is considered much too slight.

2. A deviation seems also necessary in the case of the girders at the verandah angles where the weight to be carried per girder is slightly over 4 tons, for which a section of 6″ × 3″, weighing 16 lb. per foot, instead of one of 8″ × 4″, weighing 19 lb. per foot, will suffice.

3. For the court-room girders a section of 12″ × 6″, which the estimate provides, is considered suitable. The net excess due to the deviations is estimated at Rs. 240 by which amount the proposed estimate of Rs. 10,900 is hereby increased, the total being raised to Rs. 11,140.

27th July 1896.
(Signed) D. McNEIL CAMPBELL, Col., R.E.,
Chief Engineer.

ORDER—No. 2257 W., dated 5th August 1896.

The estimate, amounting to Rs. 11,140, for constructing a Stationary Sub-Magistrate's office at Kumbakónam, is sanctioned.

2. Attention is drawn to the Note by the Chief Engineer, Public Works Department.

3. A sum of Rs. 3,000 has been provided for the work in the current year's Provincial Civil Works budget, and this amount will, if necessary, be augmented on application by the Superintending Engineer.

4. The sanction accorded in paragraph 1 has been registered as Provincial No. 47 W. of 1896–97, and classified as Civil Buildings—Original Works.

(True Extract.)

Under Secretary to Government.

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

Exd. T. K. Narayana Aiyangar,
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1896} Madras.

PUBLIC WORKS.

Dated August, 5th.

Recd.

Encl.

G.O. No. 2257 W., 5th Aug. 1896.

AUGUST.

Office

Estimate of Rs. 11,140 for constructing a Stationary Sub-Magistrate's — at Kumbakónam, sanctioned with remarks.

Superintending Engineer's Office
V Circle, Madras.

No. 135 M.

Chepák, 6th June 1896

1P

Part

Read - the following letter From Lieut. Colonel C. C. Rawson R.E.
Superintending Engineer
V Circle.

To The Collector of Tanjore

Sir,

With reference to item 46, part I, Class A, works of the final issue of the Provincial Civil Works Budget for 1896-97. Communicated with Government No. 1386 W dated 1st May 1896, I have the honour to forward for your approval and transmission, through the Board of Revenue, to Government for sanction, the Enclosed Estimate of Rs 10,900 (with site plan and report) for Constructing a stationary Sub Magistrate's Office at Kumbakonam for which a grant of Rs 3,000 has been made in the Current year.

The plan and Estimate have been prepared in in accordance with the Type design which accompanied Government Order No. 427 W dated 10th February 1895.

I have &c
(Signed) C. C. Rawson
Lt Col. R.E.
Executive Engineer V Circle

(True Copy)

No. 1566/Rev of 96
Enclosures. 5.

Submitted to the Board of Revenue, Land Revenue, with reference to its Proceedings No. 491 Mis dated 1st February 1894 Communicating Government Order No. 1100 Revenue dated 26th December 1893.

Tanjore Collector's office,
Vallam, 13th June 96

M. Sivagnanam Pillai
17/6
For Ag. Collector

5,000
1-5-96.

REVENUE BOARD OFFICE
MADRAS

Proceedings of the Board of Revenue

(Land Revenue),

Dated 1st July 1896.

No. 2998 Mis. ~~Routine.~~

READ — Endorsement of the Ag. Collector of Tanjore, No. 1566 Rev., dated 13th June 1896 on letter from the Superintending Engineer V circle No 135 M dated 6th June 1896.

Resolution — dated 1st July Mis. No. 2998

Submitted to Government in the Public Works Department for sanction.

(True Extract)

Ag. Secretary

To The Secretary to Govt: P.W.D with Collr's letter (to be retd) & 5 encls.

P. W. CURRENT No. 598

1896.

Board of Revenue

(Land Revenue),

MADRAS.

Sends. i Cop[illegible]

Recd: 3.7.96

To

The Secretary to Govt:
P. W. Dept

Proceedings, dated 1 — 7 — 1896

No. 2998 Mis.
~~Routine.~~

Subject.

Subg to Govt: in the P. W. Dept for sanction Estimate for constructing a Staty: Sub-Magte's office at Kumbakonum, Tanjore Dt.

No. 297 W. d/ 1-2-94

O. L. S. 245 (18) Sent back 21/7

BOARD'S GEN. REG. No. 3251 OF 1896
LAND REVENUE.

From

BOARD OF REVENUE
19 JUN. 96
MADRAS.

The Ag. Collector of
Tanjore

ASSTT. SECRETARY
19 JUN. 1896

To
The Secretary to the
Commissioners of
Land Revenue
Madras.

Dated 13th June 1896.

DESPATCHED
18 JUN. 96

No. 1566/Rev 1896

OWs. 1
5788/96

Enclosures. 5

Subject

Forwarding an Estimate for Constructing stationary Sub Magistrate's office at Kumbakonam for approval and transmission to Government for sanction

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Code Class. XO

INDIAN TELEGRAPHS

Monthly Number. 850

To (Office)	Ootacamund			From (Office)	Madras Triplicane
Words. 50/3	Day. 17	Hour. 12	Minute. 10	Official Instructions.	Urgt.
To (Person)	Chief Engr. P.W.D.			From (Person)	Supdg. Engr. 5th Circle

Stationary Sub magistrates office Kumbakonam surface alluvial two feet six inches sub soil sand four feet compound wall built on old foundation Size of girders as per usual stock sections of manufacture in the office does not require drawings

x Size taken from catalogue [illegible] sketch [illegible]

Recd. from
LN.
Sent to
LN.
At Hrs. Mts. by
At Hrs. Mts. by

Telegraph Master.

F. CL.

G. O. P.—No. 494 T—27-4-96—100000.

OOTACAMUND 17-7-96

---

be carried per girder is slightly over 4 tons, for which a section of 6" X 3", weighing 16 lbs. per foot, instead of one of 8" X 4", weighing 19 lbs. per foot, will suffice.

3. For the Court Room girders a section of 12" X 6", which the estimate provides, is considered suitable. The net excess due to the deviations is estimated at Rs. 240 by which amount the proposed estimate of Rs. 10,900 is hereby increased, the total being raised to Rs. 11,140.

27/7/96
E.W.
CAR 27.7.96.

Public Works Department.

Current No. 5988

Letter No 2998

Dated 1st July 1896

From the Revenue Deptt

NOTE BY TECHNICAL SECTION.

Name of work Constructing a Stationary Sub Magistrates Office at Kumbakonum, Tanjore Distt,

Amount of Esti: Rs 10,900.

The amount Rs 10,900 is divided as follows:—

	Rs
Constructing Stationary Sub Magistrates Office with record racks & a ladder	= 8992
Compound wall with brick in chunam	= 1096
Contingencies @ 5 %	= 504
Petty supervision @ 3 %	= 308
Land compensation	Nil
Total Esti. Rs	10,900.

Particulars of Construction

Surface & sub soil are not stated.

Foundation is to be laid to a depth of 6½ ft., the lower 6 ft. to be of concrete & the upper 6" to be of stock bricks in chunam —

It is not clear, since the nature of the soil is not stated, that 6½ feet is a suitable depth for foundations of main

Basement is to be raised 2 ft. & built of stock bricks in chunam

Walls are to be built of stock bricks in mortar, as per heights given in the standard plan & estimate with flat arch work over doors & windows

Interior of the building is to be plastered with 2 coats of Chunam polished.

Exterior of the building is to be pointed black with tar & asphalte.

Flooring is to be of pressed tiles 6" sq. set in cement & pointed with cement.

Damp course ½" thick asphalte is provided in the estimate as the building will be constructed below the Cauvery bank where the basement may be expected to be damp.

Roofing is to be pucka terrace with brick on edge 3" concrete & 3 courses of flat tiles & plastered & polished on top & at ceiling.

Doors & windows are to be of teak and as per description given in the plan & estimate, & painted with 3 coats of Charlton silicate oak paint.

Roof timber - The standard estimate provides all beams & joists to be of teak, whereas as the S.E.V circle estimates roof timbers (except beams) to be of teak & steel girders are substituted for wooden beams vide blue cross mark in the detail estimate.

Roof timbers are to be wood oiled 2 coats.

Scantlings of roof timbers are correct, as per standard estimate.

Rates as far as can be checked are fair, the rest cannot be checked for want of complete schedule.

The plinth area of the building is 3428 sft. & the cost per sqft. will be Rs 2-13-3 including the cost of record racks. If the cost of record racks be omitted, the cost per sft will be Rs 2.7.7.

The building is to face West.

With reference to G.O. No. 297 of 1st February 1894, the plans & estimate for constructing Stationary Sub Magistrate's office

---

building. And why should the compound wall be altogether unprovided with foundations?

vide separate note submitted

21.VII.96.

Θ Separate note submitted.

21.VII

& Section of these girders should be submitted, and checked by T^Θ according and Engr's ~~to Dorman~~

Tables

No. 763 D of 15th July 1896

Deferred telegram

S.E. V circle.

Stationary Sub-Magistrate's Office Kumbakonam.

~~Also~~ Report nature of soil. Why no foundations compound wall. and steel girders."

No drawings

Desp. 15/7

15/7/96

Clerk

14.7.96

W

For favour of initials of approval

Clerk

14/7

H.C.

office at Kumbakonam, have been submitted by the S.E. V circle for sanction.

The existing subjail, Police Station, lockup & the out houses with the compound wall on 4 sides are to be dismantled & an ornamental enclosure wall is to be built with brick in chunam on 3 sides with 2 wooden gates as shown in red in the site plan. The height of compound wall is 4 ft from ground line to top of coping. Provision of Rs 509 is made in the estimate for dismantling the existing buildings, + but no saving is shown by the sale of materials or by utilizing them on the work.

SE's attention to be drawn to this when sanctioning [illegible] carry to?

+ apparently it is not intended to utilise them in the new building. If the materials are sold, the amount realised will be credited to Revenue, under Order II, II, 120.

The plans & estimate have not been countersigned by the Collector of the District but they have been forwarded by that officer.

The stationary Sub Magistrate's office & Record rooms are to be constructed in accordance with the Standard

Standard designs approved in G.O. Nos 427 W. of 19.2.95 & 802 W. of 19.3.91 respectively.

9.7.96.

Of 259

Compare 5988 & 6518.

Note

Stationary Sub. Magistrate's Office at Kumbakonam,

With reference to telegram No. 763 D dated 15th July 1896, the S E V Circle, reports that the nature of surface soil is alluvial to a depth of 2½ feet and the sub-soil sand 4 feet below surface soil. (This has now been noted on the site plan.) The SE further reports that the proposed compound wall is to be built on existing foundations, vide report attached to the estimate.

The section of girders proposed for the clerks & record rooms appears to be weak, vide following calculations of all the steel (a) girders proposed.

Girders for Court room, 18 feet span

weight to be carried: lbs

Terrace – 18.0" × 8.4" × 9" × 120 lbs = 13500

Joists – 13 × 8.4" × 3" × 5" × 46 lbs = 519

Accidental load 18 × 8.4" × 120 lbs = 18,000

Total weight lbs 32,019

or 14.3 Tons.

(a) W = load in tons on the whole span, uniformly distributed.

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

w = WL = 14.3 × 18 = 257.4 which corresponds nearly to a coefficient of stress c.

vide page 65. Dorman

& for this weight of 14.3 Tons, a steel girder of a section 12"×6" weighing 54 lbs per foot ~~am~~ is required vide Messrs Dorman Long & Co's Hand book on steel sections, plate 65 W. 6/7 & this section the estimate provides for.

(b) **Girders for clerks & record rooms, 16' span**

weight to be carried

Terrace – 16.0"×8.6"×9"×120 lbs : 12,240
Joists – 12×8.6"×3"×5"×46 lbs : 489
Accidental load 16.0"×8.6"×120 lbs : 16,320

Total weight lbs 29,049
Or 13 Tons.

according to Hand book for a span of 16 feet, a steel girder of a section 9"×7" weighing 58 lbs per foot vide plate 73, W. 6/12 Yes **may be adopted** in lieu of the estimate provision of 12"×5" weighing 32 lbs. the thickness of the web & flange of the section suggested are much ~~[illegible]~~ heavier than the section estimated for.

(c) **Girders at verandah angles length between supports 9.2 feet.**

weight.

Terrace 6.6"×6.6"×0.9"×120 lbs : 3802
Joists 2×7.6 : 15
2×6.0 : 12
2×4.6 : 9
2×3.6 : 7 } 43"×3"×4½"×46 lbs : 185
Accidental load 6.6"×6.6"×120 lbs : 5,070

Total weight lbs 9,027
Or say 4 Tons, a section 6"×3" weighing 16 lbs per foot would be

be ample against the est
provision of 8"×4" weighing

If these deviations are approved, the amount of the estimate will be increased by Rs 240, owing to alterations in sections of girders.

and Kay's Tables. As the load to be carried is a permanent, dead load not liable to variation coefficient a might be taken, for which a girder 12"×8" would suffice. ~~However~~ the difference, which is slight, is on the right side – and so no alteration need be made.

(b). w = 13×16 = 208 which will ~~suit~~ DW a 9"×7" girder ~~[illegible]~~ taking ~~[illegible]~~ a coefficient.

(c) w = 9.2×4 = 36.8 which a girder 6"×3" 21.7.96 will suit.

CWM
24.7.96.

4/7

C. No. 5988

P. W. Secretariat.

Note by Budget Section.

Work Constructing a Stationary Sub-Magistrate's office at Kumbakonam, Tanjore Dt.

Fund	Provincial	
Service Head	Civil Buildings	
Departmental Head	Original Works	
Amount of Estimate	Rs. 10,900	
Expenditure in previous year ...	" "	
Allotment in current year ...	" 3000	vide item 46. Part A of the Final Issue of the Provincial Budget.
Balance required to complete ...	" 7,900	
Total Rs...	10,900	

Note of available Funds.

The balance at the credit of the Provincial Reserve is Rs 79,474. The whole amount has to be reserved for works at Govt Houses ~~and~~ Madras and Guindy, and the Sea side drain near the Fort. Funds can, however, be found if necessary by transferring a portion of the grant for "Establishment" to "Works." If the expenditure on Establishment progresses on the same average as it did for first two months of the year, there will be a probable saving of Rs 96,470. It is also probable some amounts may be available later in the year by modifications of grants as funds have been provided for several unsanctioned works. It is suggested therefore that an additional allotment may be made ~~if necessary~~ later on, if possible, & if necessary.

CMR
10.7.96

Note by Budget Section.

Dw

For orders, with reference to J's note.

Cn
10/7/06

The Chief Engineer has the honour to observe that the section of the proposed girders for the Clerks' and Record Rooms seems weak. The total weight to be carried is about 13 tons, and for this a steel girder of section 9"×7" weighing 58 lbs per foot may be adopted, instead of the girder 12"×5" weighing 32 lbs per foot, provided in the estimate, the thickness of web and flange of which is considered much too slight.

A deviation seems also necessary in the case of the girders at the verandah angles where the weight to be carried per girder is slightly over 4 tons, for which a section of 6"×3" weighing 16 lbs per foot, instead of one of 8"×4", weighing 19 lbs per foot, will suffice.

For the Court Room girders a section of 12"×6", which the estimate provides, is considered suitable.

The net excess due to the deviations is estimated at Rs 240 by which amount the proposed estimate of Rs 10900 is hereby increased, the total being raised to Rs 11140.

E. W.

24. 7. 96.

The estimate amounting to Rs 11140 for constructing a Stationary Sub Magistrate's office at Kumbakonam is sanctioned. Attention is drawn to the note by the Chief Engineer P.W.D.

W

24/7 96.

3. A sum of Rs 3000 has been provided for the work in the current year's Provincial Civil Works Budget and this amount will, if necessary, be augmented on application by the S.E.

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

To the S. E. V Circle
" Examiner P. W. Accts
" Revenue Deptt.

2257 W