

Public Works (1899) Department.

G.O., No.

2698 W

DATED

11 October

[Despatch Abstract.]

Registrar's Office, Kellose

The estimate of Rs 2,310 for improvement
to the —, approved, subject to
certain conditions.

110/1

CF

11/10

BACK PAPERS.

FURTHER PAPERS.

BUILDINGS AND ROADS.
CIVIL WORKS.

Government {1899} of Madras.
PUBLIC WORKS.

Recd.

Regd.

} 1899.

Enclosures

Spare copies

G.O., No. 2698 W., 11th October 1899.

OCTOBER.

Registrar's Office, Nellore

The estimate of Rs. 2,310 for improvements to the —, approved, subject to certain conditions.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers:—

From Captain W. M. ELLIS, R.E., Superintending Engineer, II Circle, to the Inspector-General of Registration, dated Bezwada, 17th August 1899, No. 507 M.

[Your No. G. 5776 of 31st July 1899.]

Herewith submitted estimate Rs. 2,310 for improvements to Registrar's office, Nellore, as altered.

I request the favour of your countersignature and submission to Government for sanction.

G. No. 6403.

Submitted for the sanction of Government.

2. The necessity for improvements to the Registrar's office, Nellore, was explained in this office letter, G. No. 4160, dated 13th June 1899, and approved in G.O., No. 997, Judicial, dated 27th idem.

(Signed) S. SRINIVASARAGHAVA AIYANGAR,
Inspector-General of Registration.
24th August 1899.

No. 2206, Judicial.

Approved and transferred to the Public Works Department.

(Signed) A. R. KNAPP,
Under Secretary.
31st August 1899.

Note by the Chief Engineer, Public Works Department.

The estimate of Rs. 2,310 for improvements to the Registrar's office, Nellore, received with endorsement in the Judicial Department, No. 2206, dated 31st August 1899, is recommended for approval with the following remarks:—

(1) It will be preferable to do away with the terraced roof carried on rolled beams and joists and to substitute a jack arch roof carried on rolled steel girders of a section $9\frac{3}{8}'' \times 4\frac{1}{2}''$ weighing 36 lb. per foot and placed $5' 1\frac{1}{2}''$ apart. This arrangement will, it is considered, be cheaper and neater. The section of the girder now proposed, viz., $9\frac{3}{8}'' \times 4\frac{1}{2}''$, is ample for the load of 6.4 tons it has to carry.

(2) As asphalt floors are not suitable in the plains, stone or Cuddapah slabs laid on 4" of concrete may be substituted.

(Signed) W. B. DEWINTON,
Chief Engineer.
14th September 1899.

ORDER—No. 2698 W., dated 11th October 1899.

The estimate of Rs. 2,310 for improvements to the Registrar's office, Nellore, is approved subject to the remarks of the Chief Engineer in his note read above, and is returned to the Superintending Engineer, II Circle, for disposal.

(True Extract.)

Under Secretary to Government.

To the Superintending Engineer, II Circle, with six enclosures.
,, Examiner, Public Works Accounts.
,, Judicial Department.

Ed. T. K. Narayana Aiyangar.

P.W. DEPARTMENT.

READ the following:—

Letter from the Inspector-General of Registration, 9 No 6403 dt 24.8.99
Endorsement thereon by the Judicial Department, No 2206 dt 31.8.99
Note by the Chief Engineer P.W.D. dt 14.9.99.

Circulated to *the Government*

ORDER.

No: 2698W811-108
Inoc uo no 39 of 1372/88.

2

The Judicial Dept for forward
of ci. 5.9.99
5.10.99

The estimate of Rs 2.310 for
improvements to the Registrar's Office, Bellare,
is approved subject to the remarks of the
Chief Engineer in his note read above, and
is returned to the Suptg Engineer, II circle
for disposal

[Signature]
14.5.99
P.K.S.

Note: The estimate is reviewed in the accompanying
Technical and Chief Engineer's notes.

[Signature]
14.5.99
P.K.S.

The S.E. II circle with funds
... Encl. P.W.A.
... Judicial Dept
23/10/99

P.W.D

38

Note by the Chief Engineer P.W.D

The estimate of Rs 2,310 for improvements to the Registrar's Office, Bellare, received with endorsement in the Judicial Department No 2206 dated 31st August 1899, is recommended for approval with the following remarks:—

- (1) It will be preferable to do away with the terraced roof carried on rolled beams and joists and to substitute a jack arch roof carried on rolled steel girders of a section $9\frac{3}{8}" \times 4\frac{1}{2}"$ weighing 36 lbs per foot and placed $5' 1\frac{1}{2}"$ apart. This arrangement with it is considered the cheaper and neater. The section of the girder now proposed, viz. $9\frac{3}{8}" \times 4\frac{1}{2}"$, is ample for the load of 6.4 tons it has to carry.
- (2) As asphaltic floors are not suitable in the plains, stone or Buddapah slabs laid on 4" of concrete may be substituted.

del

P.K.S.

[Signature]
14.8.99

Public Works Department.

Current No. 7050
Letter No. 2306
Dated 31st August 1899
From the Judicial Dept.

NOTE BY TECHNICAL SECTION.

Name of work Extending the Registrars
Office at Bellona.

Amount of Estimate Rs 2,310.

The plan & estimate under review,
have been framed with reference to
G.O. No. 1759 dated 8th July 1899 and
provide for extending the Registrars
Office at Bellona.

The existing accommodation is
reported to be quite insufficient for
the establishment occupying it.
It is therefore proposed to extend
the building in rear by erecting
a large room 46' x 16' interior dimensions
sims for records, as per tracing plan,
and to utilize the existing record
room for use of the clerks. The pro-
posed room will be made fire proof.

The nature of surface soil is stated
to be "black cotton" and the sub soil gra-
vel to a depth of one foot after 4 1/2 feet
from surface & then laterite bed lower
down.

The foundations will be laid to a
depth of 4 1/2 feet the lower 2 1/2 feet will
be of concrete & the upper 2 feet together

together with basement raised 3 feet built of brick in lime mortar, the super structure walls will be 13' 6" high to bottom of terrace and built with brick in lime with archwork over voids. The surface of walls both interior and exterior will be plastered with a coat of lime mortar. The floor will be of 3/4" asphalt laid over 6" of concrete and the roof terrace with brick on edge over rolled steel joists and girders.

The rates are fair vide data lists submitted and the sections of beams & joists are correct vide calculation sheets attached to the estimate.

The estimate & plan have been examined by the Inspt. General of Regis. & sanctioned & approved in the Judicial Dept.

It is submitted that it would be preferable to do away with the terrace roof carried on rolled beams & joists and to substitute a jack arch roof carried on rolled steel girders of a section $9\frac{1}{2} \times 4\frac{1}{2}$ weighing 36 lbs per foot & placed 5' 1/2" apart. This arrangement will be cheaper and neater.

The section of the girder now proposed viz $9\frac{1}{2} \times 4\frac{1}{2}$ is ample for the load of 6' 4" spans it has to carry.

Weight of roof.

Jack arch roof $5' 1\frac{1}{2} \times 16' 0" \times 1\frac{1}{2} = 103$ cfr
deduct segment 5" rise $16' 0" \times 1' 5" = 24$ cfr
Total cfr 79

79 cfr of jack arch roof at 120 lbs per cfr = 9480

Line load $16' 0" \times 5' 1\frac{1}{2} \times 60 = 4920$

W. The estimate may be returned to SE for sanction with the remarks made by T.
H.L. 14/9

SP. H.L. 14/9

or say 6' 4" spans.

By formula, $W = WL = 6' 4" \times 16 = 102.4$ for which a section $9\frac{1}{2} \times 4\frac{1}{2}$ is sufficient vide plate 72, section G 11, page 25 of Dorman & Long's Handbook of Steel sections.

Again it is submitted that as asphaltic floors are not suitable in the plains, stone or Cuddalore stone laid on 4" of concrete may be substituted.

For orders.

The Estimate is within the S.E. powers of sanction. The sum of Rs 3000/- for minor works has been in the bill on 12.9.99.

7/11/99

P.W. Judicial (189 9) Department.

CURRENT No. 7250

From

The Inspector-General of Registration, MADRAS.

Order Instrument: N^o 2206/31-8-99

Approved and Transferred to the Public Works Department

No. 6403

Under Secretary

Dated 24 August 1899
Received at Botolph Claydon 1.9.99
Registered at Madras 4.9.99
Enclosures (5) Plans 1, Total 6
Spare copies 7

SUBJECT.

Submitting, for the sanction of Government, an estimate for Rs. 2310 for certain improvements to the Registrar's office, Nelcore.

CHIEF SECRETARY
GOVERNMENT OF MADRAS
27 AUG. 1899

The Public Works Department

check 7/6/99

013495

BACK PAPERS.

G.O.	No.	Department.	Date.
997	27-6-88		
1759	148		8-7-99

FURTHER PAPERS.

G.O.	No.	Department.	Date.

CURRENT No. 3559

No. 507 M.

Superintending Engineer's Office, II Circle
Bezawada, 17th August 1899.

From

Captain W. M. Ellis, R.E.,
Superintending Engineer,
II Circle.

To

The Inspector-General of Registration,
M A D R A S.

Sir,

Your No.G.5776 of 31-7-99.

Herewith submitted Estimate Rs.2310 for Improve-

ments to Registrar's Office, Nellore, as altered.

I request the favour of your countersignature &
submission to Government for sanction.

- Enclosures
- 1 Plan (tracing)
 - 1 Report
 - 1 Data
 - 1 D Estimate
 - 1 A Estimate

I have the honour to be,
Sir,

Your most obedient Servant,
(signed) W.M. Ellis, Captain, R.E.,
Superintending Engineer,
II Circle.

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G.No.6403, dated 24th August 1899,

M A D R A S.

Submitted for the sanction of Government.

2. The necessity for improvements to the Registrar's Office  
Nellore, was explained in this office letter G.No.4160, dated  
13th June 1899, and approved in G.O.No.997, Judicial, dated 27th  
idem.

*Shrinani Kalyanadas*  
Insp: Genl: of Regn:.

To

The Chief Secretary to Government,

O O T A C A M U N D.

1017596  
8-7-99  
XIV