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(2) Date of repair 6.1.88
(3) Initials of the Referencer lwg

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

P. W. DEPARTMENT

G.O. No.	2708 - W	Press.
B.P. No.		Mis.
Dated	15.10.1886	198

Not to be folded or roughly handled.

3708
1

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers:—

From J. H. TAYLOR, Esq., Lieutenant, R.N.R., Port Officer, Madras, to the Chief Secretary to Government, dated 23rd September 1886, No. 9252.

With reference to the Government Orders as per margin, I have the honor to submit, approved, the following estimates received from the Superintending Engineer, V Circle, for the erection of the proposed light at the Seven Pagodas and buildings connected therewith:—

	Rs.
1. Estimate for erecting a stone platform for a fourth order light ...	1,320
2. Do. for constructing superintendent's quarters* ...	4,425
3. Do. for do. lascars' lines ...	2,270
4. Do. for do. two sentry boxes ...	150

2. A portion of the fourth order lantern from Santopilly has already been sent by the Executive Engineer, Vizagapatam division, with a view to a commencement being made at the Seven Pagodas, and the rest will follow at the end of this month after the exhibition of the new second order light at Santopilly on the 24th instant. There is therefore no time to be lost, and early sanction is solicited to the estimates submitted, the whole amount being placed at once at the disposal of the Public Works Department, from Port Funds, with instructions to push on with the work as expeditiously as possible.

3. The plans are also herewith enclosed.

No. 1664 C., Marine.

Approved, and transferred to the Public Works Department.

(By Order.)

(Signed) E. S. LAFFAN,
Under Secretary.

4th October 1886.

Note by the Chief Engineer, Public Works Department.

The plans and estimates for the construction of a platform for a fourth order light at the Seven Pagodas and the buildings connected therewith are submitted without a report or specification of any kind, and the following points appear to call for attention.

2. The plan shows the old temple roofed in with teak joists 3" x 6" covered with 1½" planking, whereas the estimate allows a covering of granite slabs 1'-0" x 0'-9" with 6" of concrete over them, plastered with two coats of chunam. Particulars of the structure containing a fourth order light are not afforded; so it is not possible to say whether 3" x 6" joists or granite slabs 1'-0" x 0'-9" are sufficiently strong.

3. The scantlings of the roof timbers of the superintendent's residence appear to be insufficient when compared with the standard specifications, especially the bressummer, which should be $7\frac{1}{2}" \times 10"$ instead of $6" \times 8"$; the hip rafters also should be $3" \times 6"$ instead of $3" \times 5"$; the verandah rafters $3" \times 5\frac{1}{2}"$ instead of $3" \times 4\frac{1}{2}"$; and the rafters of the main roof $2" \times 4"$ instead of $2" \times 3"$. Flooring with 8" square bricks is allowed, but no provision is made for any concrete or other bedding under the bricks.

4. As the work is reported to be emergent, the estimates are recommended for sanction; but the Superintending Engineer should be called on to explain the discrepancies above mentioned; and, if necessary, to submit revised estimate with the least possible delay.

(Signed) J. O. HASTED, Colonel, R.E.,
Chief Engineer, Public Works Department.

9th October 1886.

ORDER—dated 15th October 1886, No. 2708 W., Public Works.

The estimate, amounting to Rs. 8,165, for constructing a light-house at the Seven Pagodas, is sanctioned for immediate execution.

2. The question of early allotment of funds, as shown in the margin, will be considered in the Financial Department.

Port Funds				Rs.
For works	...	...	...	8,165
" establishment	...	...	...	1,873
" tools and plant	...	...	...	82
Total				10,125

3. Attention is drawn to the note by the Chief Engineer, Public Works Department, above recorded.

4. The Superintending Engineer, V Circle, will forward, direct to the Examiner of Public Works Accounts, a general abstract estimate for the work.

5. This sanction has been registered as Excluded Local, No. 20 W. of 1886-87, and classified as Miscellaneous Public Improvements, Original Works.

(True Extract.)

Major, R.E.,
Under Secy. to Govt., P.W.D.

To the Superintending Engineer, V Circle, with eight enclosures.
" Examiner, Public Works Accounts.
" Financial Department.
" Marine
" Newspapers.

Encl. E. Fernandez.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of 1886 Madras.

PUBLIC WORKS.

Dated October, 15th.

Recd.

Encl.

G.O., 15th Oct. 1886, No. 2708 W.

OCTOBER.

Light-house at the Seven
Pagodas

Estimate of Rs. 8,165 for constructing a
sanctioned for immediate execution.

This estimate for the necessary
buildings in connection with the
fixing of a 4th order light at the
Seven Pagodas has been submitted
in accordance with G.O. No. 1359 W
of 17th Sept /86.

No report or specification of any kind
accompanies the estimate and in
some respects the latter does not
appear to have been very carefully
prepared.

The plan shows the old temple
enclosed in with ^{feet} joints 5' x 6' covered
with 1 1/2" planing whereas the
estimate allows a covering of granite
slabs 1'0" x 0'9" with 6" of concrete
over them plastered with 2 coats of
lime.

I do not know what is the design
of the structure containing a 4th
order light is like so can form
no opinion as to whether 5' x 6' joints
on granite slabs 1'0" x 0'9" are sufficiently
strong but for a clear span of 15'9"
the latter would be I think rather
risky unless the stone is very sound.

The building provided for the Sept
seems rather a common one and
the necessity for so many small
rooms is not apparent and too
information is given in the plan
as to the purposes for which the
rooms are to be used.

The estimate a plan formerly provided
contains prices but for some reason
they have been cut out in the
P.E.'s office in ridge prices substituted.
The scantlings as now provided
are insufficient when compared with
the standard specifications especially the
beams which should be $7\frac{1}{2} \times 10$

instead of 6×8 . The bays rafters should
be 5×6 instead of 5×5 ; secondary
rafters $3 \times 5\frac{1}{2}$ instead of $3 \times 4\frac{1}{2}$ & the
rafters of main roof 5×4 instead of 2×4 .
Flooring with 8" square bricks is
allowed but no provision is made
for any concrete or other bedding under
the bricks.

The plans & estimates have been
counter-signed by the Port Officer
& approved in the Marine Dept.

WJ
9/10/06

Please see the estimate
submitted below of 23.9.06
relative to work done on
the 100 ft. lighthouse

The work is urgent and the
 estimate being prepared in haste
 it is likely to be submitted with a
 high degree of haste and it is
 in the hands of the P.E. Clerk
 in order to be submitted to the
 Board of Public Works.

J. W.
 9/10/85

Public Works Department.

Project No. 2757
 Date No. 10/10/85
 and the 10th October 1885
 on the 10th October 1885

NOTE OF REFERENCE.

The estimate for the construction of the
 lighthouse at the Seven Pagoda
 in the Shingledistrict district.
 The estimate amounts to Rs. 165.
 The subdivisions are: — The
 erection of a stone platform
 or temple — Rs. 1320; as residence
 for the superintendent, including
 outchances — Rs. 425; ladders
 lines — Rs. 2370; and two sentry
 boxes (Rs. 75 each) — Rs. 150.
 Subject to approval, these
 plans and estimate should
 be returned to S.E.V. for revision
 and resubmission in correct
 form. Report, specification,
 and general abstract do not
 accompany the estimate.

or temple. The proposed roofing
is shown as joints and plankings
while the estimate provided
for stone slabs ($16\frac{1}{2}' \times 11' \times \frac{1}{2}'$)
covered over with concrete
6 inches thick, plastered on the
top Rs 984 - no charge for this
roof - Rs 72 for the 20 stone slabs,
and Rs 276 for hoisting them into
position "including 10 layers of
concrete over and 2 coats of
plastering" - the scantlings of
the roof timbers of the superim-
posed residence are wrong -
the scantling of the brissummers
should be $7\frac{1}{2}' \times 10'$, not $8' \times 8'$ as shown
in the plan and estimate, the
ridge rafters should be $6' \times 8'$ not
 $5' \times 5'$, the beam and abut rafters should
be $3' \times 8'$ not $3' \times 4'$, the rafters of
the center rooms should be
 $5' \times 4'$ not $2' \times 4'$, and the scantling
allowed as ridge piece across
a room of 14 feet span is $3' \times 5'$ -
apart from insufficient scant-
lings, the adoption of a ridge
piece appears a mistake collar
pieces should be provided.

No. 3
The masonry and beams
lines though not quite masonry
with the standard specifications
may be accepted if collar
be substituted for ridge piece.
In addition, concrete beds
should be provided for the
various brick floors, no such
provision having been made.
5. The proposed arrangements
for placing the light in the
temple are approved by the
P. & O. Officer, and he considers
the proposed buildings
fit and suitable. - The
masonry of the buildings is
to be of brick in mortar. The
residence is to be roofed in
with flat and from tiles on
timber and rafters and
the outhouses and kitchen
pan tiles on timber and rafters
and rafters. The soil at site
is gravel and the foundation
proposed to be adopted
appears satisfactory.
6. Apart from the cost of the
temple, the rates are fair.

been approved and counts
signed by the P. S. Officer
and has been approved
in the Marine Dept. E.

215 ~ 26-1-56
1095 ~ 30-4-56
375 ~ 11-2-56
2359 ~ 17-9-56

514
7/10/85

Administrative Department.

No. 9252

MADRAS,
Port Office,

23rd September 1886.

From

J. H. Taylor Esq. Lieut. R. N. R.
Port Officer,
Madras,

To

The Honorable C. Horatio Webster,
Chief Secretary to Government,
Marine Department,
Fort St. George.

Sir,

With reference to the G. O. as per

At 30 Marine dated January 16th 1886 margin, I have the honor
to submit, approved, the
following estimates re-
ceived from the Superin-
tending Engineer, 5th

Circle, for the erection of the proposed
light at the Seven Pagodas and build-
ing connected therewith.

- 1 Estimate for erecting a stone
platform for a 4th order
light Rs 1520
- 2 - 52 for constructing Superin-
tendent's quarters 1,425
- 3 - 52 for 52 Lascars' lines 2,270
- 4 - 52 for 52 2 Tinty boxes 150

2 A portion of the 4th Order lantern
from Tantopilly has already been sent
by

by the Executive Engineer, Vizagapa-
tam Division, with a view to a com-
mencement being made at the Seven
Pagodas, and the rest will follow at
the end of this month, after the exhi-
bition of the new 2nd order light at
Tanloppilly on the 24th instant. There
is therefore no time to be lost, and early
sanction is solicited to the estimates
submitted, the whole amount being
placed at once at the disposal of the
Public Works Department, from Port
Funds, with instructions to push on
with the work as expeditiously as
possible.

The plans are also herewith
enclosed.

I have the honor to be,
Sir,

Your most obedient servant

W Taylor

Port Officer

30-31-10-186
 59-60-1-2-186
 167-18-1-186
 42-75-2-186
 44-17-2-186
 260-26-5-186
 1002-25-1-186

11/10/10
 11/10/10

11/10/10 11/10/10

Approved and
 transmitted to the Public
 Works Department

By order
 [Signature]
 Secy.

305 W of 26-1-86
 575 W of 11-2-86
 1095 W of 1-1-86
 2359 W of 17-7-86

C-305 Cons 1000-86
 R-24/10

785
 Marine (1896) DEPARTMENT
 FROM
 THE PORT OFFICE,
 Madras,
 TO
 THE CHIEF SECY. TO GOVERNMENT,
 MARINE DEPARTMENT,
 Port St. George.

No. 9252

Dated 23 September 1886
 Received 24
 5-10-86
 No.

Subject

Submits for sanction
 Estimates and Plans
 for the proposed light-
 house &c at the Seven
 Pagodas.

[Signature]

778/10
 Note by the Chief Engineer.

The plans and
 estimates for the con-
 struction of a platform
 for a 4" order light at
 the Seven Pagodas and
 the buildings connected
 therewith are submitted
 without a report or
 specifications of any kind,
 and the following points
 appear to call for
 attention.

2. The plan shows
 the old temple roofed
 in with teak joists 3"x6"
 covered with 1 1/2" planking
 whereas the estimate
 allows a covering of
 granite slabs 1'-0" x 6'-9"
 with 6" of concrete over them
 plastered with two coats
 of

of chimneys. Particulars
of the structural containing
a 6" order light are
not afforded, so it is not
possible to say whether
3"x6" joists or granite
slabs 1'-0" x 6'-9" are
sufficiently strong.

3. The scantlings of the
roof timbers of the
Superintendent's Residence
appear to be insufficient
when compared with the
Standard Specifications,
especially the beam
which should be 7 1/4"
x 10" instead of 6" x 8". The
hip rafters also should
be 3"x6" instead of 3"x5".
The overhang rafters
3"x5 1/4" instead of 3"x4 1/2"
and the rafters of the
Main roof 3"x4" instead
of 2"x4". Flooring with
8" square bricks is allowed
but

but no provision is
made for any concrete
or other bedding under the
bricks.

4. As the work is reported
to be urgent, the estimates
are recommended for
sanctions, but the Sup^r
Engineer should be called
on to explain the
discrepancies above mentioned,
and, if necessary, to submit
a revised estimate with
the least possible delay.

Lee

11/1/86.

E.W.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following

From the Port Officer, Madras, H. E. No. 9252 d/23rd September 1886.
Endorsement by the Marine Department, H. E. No. 1664C d/11 October 1886.
Note by the Chief Engineer, P. W. Department - d/9th October 1886

The estimate amounting to Rs. 8,165, for constructing a light house at the Seven Pagodas, is sanctioned for immediate execution, and registered as Excluded Local No. 11/10/86-27.

2. The question of early allotment of funds, as shown in the margin, will be considered in the Marine Department.

3. Attention is drawn to the note by the Chief Engineer P. W. Department above recorded.

4. The Supty. Engineer V. birds will forward direct to the Examiners of P. W. Accounts a general abstract estimate for the work.

5. This sanction has been registered as Excluded Local No. 20 of 1886-87, & classified as Miscellaneous Public Improvements, Civil works.

Port funds.

* For Works	Rs. 8,165
- Establishment	1,878
- Tools and Plant	82
Total	Rs. 10,125

To The Supty. Engr. V. birds with 8 ends.
" Examiners of P. W. Accts
" Financial Dept
" Marine Department
News papers.

(To The Chief Secy for favor of counter initials)

22/10

11/10/86
11/10/86
11/10/86

NOT TO BE COMMUNICATED
TO NEWSPAPERS

7757

Govt. of Madras.

PUBLIC WORKS.

Printed
10/10/11

Dated

Encl.

Encl.

G.O. 15th Oct. 1889, No. 2708

Light-house at the
Seven Pagodas
≡

Estimate of Rs 8,165
for constructing a
Sundries for improvement
of the lighthouse

90
/ 6

10/10/11