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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Public Works

DEPARTMENT

G.O. No.	1614.	W	Press.
B.P. No.			Mis.
Dated	8.6.1883		198

Not to be folded or roughly handled.

22.8.88

8th JUNE 1883, No. 1614 W., PUBLIC WORKS.

1614
7
GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers:—

From Colonel J. BEATTY, R.E., Superintending Engineer, Fourth Circle, to the Chief Engineer, Public Works Department, dated Ootacamund, 17th May 1883, No. 208.

In forwarding, for sanction, the accompanying estimates, amounting to Rs. 14,708, for constructing a dispensary and out-houses at Tiruputi, which have been very carefully prepared by the Local Fund Engineer of North Arcot, I have only to observe—

8 Estimates.	
8 Plans.	
1 Site Plan.	
1 Specification.	
1 Letter with Enclosure.	

- (1) That a rather unusual description of terracing is proposed, consisting of 3 inch thick granite slabs, under 4 inches of concrete, and 1 inch of plaster;
- (2) That slab stones are provided for all wall-plates also;
- (3) That nine trusses are provided in the main building according to the estimate, while three of these must be over cross-walls; so that the cost of the work may be reduced by raising the cross-walls to the roof, and dispensing with three trusses.

2. Some trifling errors of calculation, amounting to Rs. 41 only, have been found in checking the estimate.

3. The plans, &c., have not been countersigned by the Civil Surgeon, but I observe that he was one of the members of the Local Fund Board present when the estimate was passed.

Memorandum by the Chief Engineer, Public Works Department, dated 31st May 1883.

The estimate is submitted for the sanction of Government.

2. As remarked by Colonel Beatty, the plans and estimates have been very carefully prepared. The Chief Engineer, however, whilst accepting the somewhat unusual form of terracing proposed for verandahs, viz., 3 inch granite slabs, 4 inches of concrete, and 1 inch of plaster, considers that teakwood should be substituted for cut-stone in pole-plates and wall-plates.

3. Possibly, if slabs long enough are procurable, a transverse arrangement of same with ends bearing on walls might be adopted, instead of the longitudinal slabs resting on joists, and a saving thus effected.

4. As suggested by Superintending Engineer, three trusses may be omitted and the cross-walls raised by gables to carry the ridge pole. The ridge ventilator might perhaps be omitted, as the sky-lights, fan-lights, and openings will probably afford sufficient perfilation of air.

5. For the purlins of main roof a square section, $6\frac{3}{4}" \times 6\frac{3}{4}"$, had better be allowed, instead of $5" \times 7\frac{1}{4}"$ as estimated, and for all the other scantlings for same roofing, that is, to tie-beams, king-posts, struts, principals, and common rafters, an increase in breadth of $\frac{1}{4}$ inch is advisable, and $\frac{1}{2}$ inch more in depth to ties, struts, and principals.

6. It is remarked there is no provision for shelves for surgery, or for table for operating-room, and for dead-house, but it is presumed these can be supplied within the total of the estimate.

ORDER—dated 8th June 1883, No. 1614 W., Public Works.

The estimate, amounting to Rs. 14,708, for constructing a Civil Dispensary with out-houses at Tirupati, in the North Arcot District, is sanctioned.

2. The attention of the Local Fund Board should be called to the remarks by the Chief Engineer above recorded.

3. This sanction has been registered as Local No. 15 W. of 1883-84.

(True Extract.)

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

To the Board of Revenue, with twenty-six Enclosures.

- " Accountant-General.
- " Financial Department.
- " Superintending Engineer, Fourth Circle.

Exd. A. F. Goodall.
Spare Copies

1614
/

5. For the purlins of main roof a square section, $6\frac{3}{4}" \times 6\frac{3}{4}"$, had better be allowed, instead of $5" \times 7\frac{1}{4}"$ as estimated, and for all the other scantlings for same roofing, that is, to tie-beams, king-posts, struts, principals, and common rafters, an increase in breadth of $\frac{1}{4}$ inch is advisable, and $\frac{1}{2}$ inch more in depth to ties, struts, and principals.

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Exd. A. F. Goodall.
Spare Copies

1614
2

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1883) Madras.

PUBLIC WORKS.

Dated June, 8th.

Recd.

Encl.

G.O., 8th June 1883, No. 1614 W.

JUNE.

Civil Dispensary with out-
houses at Tirupati

Estimate for constructing a —, North
Arcot District, sanctioned.

No. 208

Superintending Engineer's Office, 4th Circle,
Camp Cotacamund, 17th May/83.

From

1614 P1
The Superintending Engineer,
Fourth Circle, D. P. W.

To

The Chief Engineer,
D. P. W.

Sir,

Enclosures 19

8 Estimates

8 Plans

1 site plan

1 specification

1 Letter with

enclosure

9

separate

copy

In forwarding for sanction, the
accompanying estimates, amounting to
Rs. 14,408 for constructing a Dispensary and
out houses at Tirupathi, which has been
very carefully prepared by the Local
Fund Engineer of North Arcot, I have
only to observe;

(1), That a rather unusual des-
cription of ^{of tinning} is proposed, consisting of 3 inch
thick granite slabs, under 4 inches of con-
crete, and one inch of plaster;

(2), That slab stones are provided
for all wall plates, also;

(3), That 9 trusses are provided in
the

the main building, according to the
estimate, while 3 of these must be over
cross walls; so that the cost of the work
may be reduced by raising the cross
walls to the roof, and dispensing with 3 trusses.

2. Some trifling errors of calculation,
amounting to \$5.41 only, have been
found in checking the estimate.

3. The plans, &c., have not been
countersigned by the Civil Surgeon, but
I observe that he was one of the mem-
bers of the Local Fund Board present
when the estimate was passed.

I have the honor to be,
Sir,

Your most obed^t. servant.

P. Beatty Colonel, R. G.,
Supg. Engineer, 4th Circle.

2
1614
4

From L.D.C.W. 4287

The Supr Engineer
4th Circle.

To,

The Chief Eng^r
D. P. W.

Sd Feb 17 }
Recd 19 } May 1883.
PCs - 22 }

No. 208

Enclosures 19
+ Not received

Constructing a
Dispensary at Tripity
Forwarding for
Sanction estimates
amounting to Rs 16,708
for. — with out houses.

ooty 1/6
Feb 4-6

y

~~Amout~~
~~enclos~~
~~for~~

Public Works Department

173

Memorandum by the Chief
Engineer Public Works Department

1614

5

The estimate is
submitted for the sanction
of Government.

2. As remarked by
Colonel Blatty the plans
and estimates have been
very carefully prepared.
The Chief Engineer, however,
whilst accepting the
somewhat unusual form
of terracing proposed
for verandahs, viz. 3 inch
granite slabs, 4 inches
of concrete, and 1 inch of
plaster, considers that
teakwood should be
substituted for cut
stone in pole-plates and
wall-plates.

Possibly

3. Possibly, if slabs long enough are procurable, a transverse arrangement of same with ends bearing on walls might be adopted, instead of the longitudinal slabs resting on joists and a saving thus effected.

As suggested by
Superintending Engineer
3 trusses may be omitted
and the cross walls raised
by gables to carry the
ridge pole. The ridge
ventilator might perhaps
be omitted as the sky
lights, fan lights, and
openings will probably
afford sufficient pro-
-flation of air.

5. For the four lines
of main roof a square
section, $6\frac{3}{4}" \times 6\frac{3}{4}"$, had
better be allowed instead
of $5" \times 7\frac{1}{4}"$ as estimated
and for all the other
things for same roofing.

roofing - that is to the beams, King posts, struts, principals, and Common rafters an increase in breadth of $\frac{1}{4}$ inch. is, advisable, and $\frac{1}{2}$ inch more in depth to ties, struts, and principals.

6. It is remarked
there is no provision for
shelves for ^{oper} surgical tables
for operating room, ^{for dead house} raised
~~slab for dead house~~,
but it is presumed these
can be supplied within
the total of the estimate.

Cs

Edw. L.

3. Possibly, if slabs long enough are procurable, a transverse arrangement of same with ends bearing on walls might be adopted, instead of the longitudinal slabs resting on joists and a saving thus effected.

4. As suggested by Superintending Engineer 3 trusses may be omitted and the cross walls raised by gables to carry the ridge pole. The ridge ventilator might perhaps be omitted, as the sky lights, fan lights, and openings will probably afford sufficient pro-
-flation of air.

5. For the purline of main roof a square section, $6\frac{3}{4}" \times 6\frac{3}{4}"$, had better be allowed instead of $5" \times 7\frac{1}{4}"$ as estimated and for all the other things for same roofing.

roofing - that is to the beams, king posts, struts, principals, and common rafters an increase in breadth of $\frac{1}{4}$ inch is advisable, and $\frac{1}{2}$ inch more in depth to ties, struts, and principals.

6. It is remarked that there is no provision for shelves for Surgeon's table for operating room, raised slab for dentist house, but it is presumed these can be supplied within the total of the estimate.

CJ

Enclosed

Notes

16th
6

The estimate of No. 14,708
for constructing a Dispensary and
out. house at Wipatty submitted
by the President, Local Fund House,
with a view through the Sup. J.
Engineer, 4th Circle, is sanctioned.

2. As remarked by Col. Hally
the plans & estimates have been
very carefully prepared. The Chief
Engineer, however, whilst accepting
the proposed form of terracing pro-
posed for the walls, viz: 5 inches
of concrete, 4 inches of concrete,
and 1 inch of plaster, considers that
the walls should be substituted
for cut stone in pole plate and
with plaster.

3. Possibly, if slabs long enough are
procured, a transverse arrangement
of concrete with ends bearing on walls
might be adopted, instead of the
longitudinal slabs resting on joints,
with a saving thus effected.

4. As suggested by Sup. J. Engineer
3 concrete may be omitted, the
concrete walls being by cables to carry
the ridge/pole. The ridge ventilation
might perhaps be omitted, as the
skylights, fan lights, & openings will
probably afford sufficient ventilation
of air.

5. For the portion of main ridge

1614

Current No.

4287

Letter No.

208

Dated the

17th May 1883

From the

Supt. Engr. & Secy.

NOTE OF REMARKS.

1. The accompanying plan and estimates provide for the construction of a Civil Dispensary with out houses at Shipahy St. West District. The amount of estimate is Rs. 14,708.
2. An examination of the plan seems to indicate that ridge ventilation is unnecessary in the case of the Dispensary, in addition to the large number of doors and windows allowed. Twenty six ventilators (3 ft x 1 1/2 ft) have been provided at height of 15 feet above floor. The Supt. Engr. also suggests the raising of the cross wall up to the roof thereby saving three trusses. There are other points requiring attention:— the use of granite for wall plates and pole plates, and of granite slabs (3 ft x 2 ft x 1/2 ft) for terracing. These slabs

a square section, $6\frac{1}{2}'' \times 6\frac{1}{2}''$, had better be allowed instead of $5'' \times 7\frac{1}{2}''$ as estimated, and for all the other scantlings for same roofing, that is to tie beams, King posts, struts, principals & common rafters, and increase in breadth of 4 inch is advisable, & 2 inch in depth to ties, struts, & principals.

6. It is remarked there is no provision for shelves for surgery, table for operating room, raised slab for dead house, but it is presumed these can be supplied within the total of the estimate.

7. This sanction is reported as Local ho

CJ.

1614W

31/5

To W for consideration & approval.

Supplement of Memo. & Proceedings Enclosed
CJ

covered with 4 inches
concrete and 1 inch of
lashed.

The scullings of timbers
or trusses are below the
standard. With regard
to the joists the Supg. Engr.
seems to regard the description
terracing proposed as
a doubtful experiment
at best.

Should a cheaper descrip-
tion of roofing be adopted it
is possible the rear wards
may be carried out to com-
pletion and not left as now
proposed.

No general abstract has
been submitted. Each
of the outhouses has a
distinct plan and estimate.

The Supg. Engr. has not
adopted the course pointed
out in the Resolution of the
Board of Revenue No. 897
of the 30th March/83.
The estimate has been
countersigned by the
Vice President.

28/5/83

8574

No 1614

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

1514
8
ORDER date the 8th June/83
READ the following

From the Superintending
Engineer Fourth Circle } H.B. No. 2084/17-2. May/83
Memorandum by the
Chief Engineer P.W. Dept. — No. — of 31st May/83

The estimate
amounting to Rs 14,708,
for constructing a civil
dispensary with out-
houses at Tripatty,
in the North Arcot
District is sanctioned.

2. The attention
of the Local Fund
Board should be
called to the remarks
by the Chief Engineer
above.

above records.

3. This sanction
has been registered
as Locab no 15 of
1883. 84.

CW
16

Atto

4/16

10/16

12/16
14/16
15/16
16/16

To

The Board of Rev with
26 votes ✓

" acct General ✓

" Financial Dept ✓

" Suply. Imp. South Africa

4287

Govt. of (1883) Andrus.

PUBLIC WORKS.

2/11

Dated

Recd.

Est.

G. O. *S. J. H. A.* 1883, No. *1014*

Nos. *1*

*Civil Disfranchisement with
Provisions at Trip...*