

(1) Number of pages 66 2
 53 (2) Date of repair 4-9-87 2
 (3) Initials of the Referencer 2 ✓

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

P.W.D. DEPARTMENT

G.O. No.	1205	Press.
B.P. No.		Mis.
Dated	13. 5. 1884	197 .

V.S.M.

Not to be folded or roughly handled

33

13TH MAY 1884, No. 1205 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers:—

From Major J. L. L. MORANT, R.E., Officiating Consulting Architect to the Government of Madras, to the Chief Engineer, Public Works Department, dated Chepák, 11th December 1883, No. 1217.

In reply to Public Works Order No. 3257 W., dated 16th November 1883, I have the honor to submit plans and an estimate (the latter, amounting to Rs. 10,078) for a clock tower with two dials 5 feet in diameter.

- 1 Tracing.
- 1 Specification and detailed estimate.
- 1 Duplicate abstract.

2. I sent a tracing of the upper portion of the design to N. R. Pogson, Esq., C.I.E., Government Astronomer. He replied thus—

“The tower is not intended for one clock with two faces, but for two separate and distinct clocks, both kept going synchronously with each other, with one at the Central Station and one at the Marine Office, all under electrical control of the observatory mean time regulator. As many other clocks may in the future be included in the same electrical circuit as Government may be disposed to pay for, a telegraph line from the observatory to the clock tower will have to be set up and kept in continual efficient order, and from the clock tower it will also have to be carried on to the Central Railway Station to join the Marine line in use since June 1879. If new posts were required throughout, the cost of construction would be Rs. 400 per mile, but if existing posts can be utilized it will be much less; information upon which point must be obtained from the Superintendent of Government Telegraphs (P. V. Luke, Esq., C.I.E.).

“The clocks will also require to be changed in several ways; chiefly their dials from 3 to 5 feet in diameter, besides new hands, counterpoises, contact screws, &c., all which it is intended to have done at the Arkónam Telegraph Workshops of the Madras Railway Company and for this I must request permission of the Agent and Manager, Mr. Saunders.

“While you are arranging for the Mount Road structure it will, I think, be better for me to address Government with definite proposals for all else requisite to complete the scheme in its entirety, and I propose to do so at once, so as to have all ready immediately you can report the tower ready for occupation by the two clocks it is to contain.”

3. The estimate now submitted is for the structure only. Mr. Pogson's estimate will, I believe, amount to some Rs. 2,000.

4. The design now submitted is 54 feet high from ground level to centre of clock face. The bottom buttressed portion is proposed to be of cut-stone with brick showing here and there. The rest of the tower will be of the very best brickwork moulded and pressed except the two horizontal carved cornices and pillars and pillarets which will be, some of stone and some of marble. Terracotta and encaustic tiling will be used in certain parts. The balcony balustrades will be of terracotta. The pillars round the clock and the dentil moulding will be of marble, and the surfaces around the clock faces will be of diaper work made of stone, terracotta, or moulded bricks as may be found most convenient. The roof will be tiled. The lower carved cornice is very roughly indicated. It is intended to be formed of carved foliage flowers and fruit.

No. 2561 C., Public Works.

Forwarded, through the Financial Department, to the President, Madras Municipal Commission, for favor of information whether the Municipality will be prepared to contribute a moiety of the cost of the proposed clock tower on the Mount Road.

2. It will be seen that the tower alone is estimated to cost Rs. 10,078, and that the further work of establishing electrical connection with the observatory and altering the clocks to suit the tower, will cost about Rs. 2,000 more, say, Rs. 12,000 in all.

(By Order.)

(Signed) C. BOWEN, Major, R.E.,
Under Secy. to Govt., P.W.D.

CHEPÁK,
19th December 1883.

To the Financial Department (with papers in original to be returned).

From A. T. ARUNDEL, Esq., President, Municipal Commission, to the Chief Secretary to Government, dated Madras, 26th February 1884, P.W.C. No. 208.

Referring to G.O., No. 2518, dated—, on reference No. 4149 of 1883, I have the honor to state that the Commissioners are not prepared to pay a moiety of the cost of erecting the electric clock tower in the Mount Road, but that they will make an allotment of Rs. 2,000 towards the object in view.

2. The papers that accompanied the reference are herewith returned.

No. 454, Financial.

Forwarded to the Public Works Department.

(Signed) E. F. WEBSTER,
Chief Secretary.

20th February 1884.

G.O., dated 15th April 1884, Mis. No. 795, Financial.

From A. T. ARUNDEL, Esq., President, Municipal Commission, to the Chief Secretary to Government, dated Madras, 28th March 1884, P.W.C. No. 345.

Referring to my letter, No. 208, dated 26th February, I have the honor to inform you that the Commissioners, by a majority of one, at a general meeting on the 26th instant, have declined to confirm the allotment of Rs. 2,000 towards the erection of the electric clock tower in the Mount Road.

Order—dated 15th April 1884, Mis. No. 795, Financial.

Forwarded to the Public Works Department, in continuation of endorsement, No. 454, dated 29th February 1884.

(True Extract.)

(Signed) J. D. REES,
Acting Under Secretary.

To the Public Works Department.

ORDER—dated 13th May 1884, No. 1205 W., Public Works.

The Madras Municipal Commissioners having declined to contribute any portion of the cost of erecting a tower on the Mount Road, in which to place the two sympathetic electric clocks now available at the observatory, His Excellency the Governor in Council directs that the proposal be abandoned.

2. The Consulting Architect will, in communication with the Government Astronomer and the Telegraph Department, frame estimates for placing one of the clocks inside the large hall of the new Post office, and the other outside the Public Works offices at Chapák. These estimates should be submitted as soon as possible.

(True Extract.)

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

1205
2

To the Consulting Architect to Government, with four enclosures.
" Financial Department.
" Public Department.
" Chief Superintendent of Telegraphs, Madras Division.

Exd. A. Aubert.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1884) Madras.

PUBLIC WORKS.

Dated May, 18th.

Recd.

Encl.

G.O., 13th May 1884, No. 1205 W.

MAY.

Electric Clocks

The proposal to build a tower on the Mount Road, Madras, in which to place the two — available at the observatory abandoned, and estimates called for for placing one of them inside the new Post office, Madras, and the other outside the Public Works offices at Chepak.

Enclosures.

- 1 Tracing
- 1 Specification and Detailed Estimate
- 1 Duplicate Abstract.

In reply to Public Works Order No. 2257 W dated 16th November 1883 I have the honor to submit Plans and an Estimate (the latter amounting to Rs. 10075) for a Clock Tower with two dials 5 feet in diameter.

2. I sent a tracing of the upper portion of the design to Mr. R. Pigeon Leage, Secy to Government Astronomer. He replied thus:

"The Tower is not intended for one clock with two faces but for two separate and distinct blocks, both kept going synchronously with each other, with one at the Central Station and one at the Marine Office — all under electrical control of the Observatory Mean Time Regulator."

Consulting Architect's Office,
Chepak, Madras.
11th December 1883.

No. 1217

1205
3

From
The Consulting Architect to the Government of Madras.

To
The Chief Engineer, Public Works Department.

Sir,

Recd. - The following papers -
P. W. D.
13th April 1884 No. 1205 W.
Civil Works

"As many other blocks may in the future be included
"in the same electrical circuit as Government may be
"disposed to pay for. A Telegraph line from the
"observatory to the Clock Tower will have to be set
"up and kept in continual efficient order and
"from the Clock Tower it will also have to be carried
"on to the Central Railway Station to join
"the marine line in use since June 1879. If new
"posts were required throughout, the cost of
"construction would be Rs. 400 per mile but if
"existing posts can be utilized it will be much
"less, information upon which point must be
"obtained from the Superintendent of Govern-
"ment Telegraphs (P. V. Little Esq. S.I.C.).

"The blocks will also require to be changed
"in several ways, chiefly their dials from three
"to 5 feet in diameter, besides new hands, counter-
"poises, contact screws, &c; all which it is
"intended to have done at the Arcanum Tele-
"graph Workshops of the Madras Railway
"Company, and for this I must request permission
"of the Agent & Manager, Mr. Saunders.

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4
p 2
"While you are arranging for the Mount Road
"structure it will I think be better for me to address
"Government with definite proposals for all else
"requisite to complete the scheme in its entirety,
"and I propose to do so at once, so as to have all
"ready immediately you can report the Tower ready
"for occupation by the two blocks it is to contain."

3. The Estimate now submitted is for the structure
only. Mr. Pagson's Estimate will I believe amount
to some 2000 Rupees.

4. The design now submitted is 54 feet high
from ground level to centre of block face. The
bottom buttressed portion is proposed to be of
cut stone with brick shewing here and there.
The rest of the tower will be of the very best
brickwork moulded & pressed except the two
horizontal carved cornices and pillars, and
pillars which will be, some of stone, and
of marble. Terracotta and encaustic tiling
will be used in certain parts. The bal-
conies will be of terracotta. The pill-

around the block and the dentel moulding will
be of marble. and the surfaces around the block
faces will be of diaper work made of stone, terra
cotta, or moulded bricks as may be found most
convenient. The roof will be tiled. The lower
carved cornice is very roughly indicated. It
is intended to be formed of carved foliage
flowers and fruit.

I have the honor to be

Sir

your most obedt. servant

John Morant.

Major R.E.

offg Cong Archt. to Govt

1205
5

P. W. D.

Roads and Buildings.

From

THE CONSULTING ARCHITECT

TO THE GOVERNMENT OF MADRAS.

To

The Chief Engineer,
P. W. D.

No. 1217

Dated 11th December 1883

Received

No. of ENCLOSURES. 3

Subject.

Submits fresh design for
Clock Tower for Mount Road
Madras.

N^o 2561 C

1205
6

P. W. Sept.

Memo.

Letter from the Consulting Architect
to Government N^o 1217 of 11th Decr/83.

Forwarded, through the Fi-
nancial department, to the President
Madras Municipal Commission, for
favor of information whether the
Municipality will be prepared to
contribute a moiety of the cost of
the proposed clock tower on the
Mount Road.

2. It will be seen that the
tower alone is estimated to cost
Rs 10,078, and that the further work
of establishing electrical connection
with the Observatory and altering
the clocks to suit the tower, will
cost about Rs 2000 more, say Rs 12,000
in all.

(By order)

C. Under. Major R. E.

under Secy. to Govt.

P. W. D.

The Financial Dept.

(with papers in origl. to be returned)

Chepauk }
19 Decr/83 }

E. J. J.

Madras, 26th February 1881.

From

1205
7
C. J. C. Arundel Esq.
President, Municipal Commission.

To

The Chief Secretary,
to Government,
Fort St. George.

Sir,

Referring to G. O. No. 2518
dated — on Reference No. 4149 of
1880, I have the honor to state
that the Commissioners are not
prepared to pay a moiety of
the cost of erecting the Electric
Clock Tower in the Mount Road
but that they will make an attach-
ment of Rs 2000 towards the
object in view.

2. The papers that accom-
panied the reference are herewith
returned.

I have the honor to be,

Sir,

Your most obedient servant,

C. J. C. Arundel

President,
Municipal Commission.

N
1208
Cm

8/c

1205
8

1205
8

6



Form 17
No 454

CURRENT No.

1884

Madras Municipality.

FROM

THE PRESIDENT,
Municipal Commission,
MADRAS.

TO

The Chief Secretary
to Government
Fort St George

M.C. No. 208.

Dated. 26 Feb.

Despd. 26 1884

Recd. 27

Enc. 1

and a plan

No. 1205 W. 15-5-8

Subject.

Electric Clock Tower.
States that an allotment
of Rs 2000 will be made
forwards -

Endorsement

Ch. Secy.

27/2

1067 W. 12.75	1067 W. 12.75
1068 W. 12.75	1068 W. 12.75
1069 W. 12.75	1069 W. 12.75
1070 W. 12.75	1070 W. 12.75
1071 W. 12.75	1071 W. 12.75
1072 W. 12.75	1072 W. 12.75
1073 W. 12.75	1073 W. 12.75
1074 W. 12.75	1074 W. 12.75
1075 W. 12.75	1075 W. 12.75
1076 W. 12.75	1076 W. 12.75
1077 W. 12.75	1077 W. 12.75
1078 W. 12.75	1078 W. 12.75
1079 W. 12.75	1079 W. 12.75
1080 W. 12.75	1080 W. 12.75
1081 W. 12.75	1081 W. 12.75
1082 W. 12.75	1082 W. 12.75
1083 W. 12.75	1083 W. 12.75
1084 W. 12.75	1084 W. 12.75
1085 W. 12.75	1085 W. 12.75
1086 W. 12.75	1086 W. 12.75
1087 W. 12.75	1087 W. 12.75
1088 W. 12.75	1088 W. 12.75
1089 W. 12.75	1089 W. 12.75
1090 W. 12.75	1090 W. 12.75
1091 W. 12.75	1091 W. 12.75
1092 W. 12.75	1092 W. 12.75
1093 W. 12.75	1093 W. 12.75
1094 W. 12.75	1094 W. 12.75
1095 W. 12.75	1095 W. 12.75
1096 W. 12.75	1096 W. 12.75
1097 W. 12.75	1097 W. 12.75
1098 W. 12.75	1098 W. 12.75
1099 W. 12.75	1099 W. 12.75
1100 W. 12.75	1100 W. 12.75

Enc. 28/3/84

P.W.D

1205

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Note

From the Consy. Architect Report No 1217 of 11.12.83.
Endorsement from the Finl. Dept on letter from the
President, Municipal Comm. Madras No 208 of 26.2.84.

In L.O. No 306A
dated 29 January 1883,
an estimate amounting
to Rupees 3,110, for con-
structing an electric
clock tower on the
Mount Road, was
sanctioned.

Subsequently, it
was found that there
would be serious
objections to erecting
the tower as designed,
and

Proc. No 3257 W of 16.11.83.

and it was proposed to construct a larger & more substantial tower, with clock dial five feet in diameter.

The opinion of the President of the Municipal Commission was asked in the matter, & it was intimated that if the Municipality were disposed to bear a portion of the expense, the Govt. was prepared to make a contribution of the amount of the last mentioned estimate, viz. Rs 3,110, or even a round sum of Rs 5000.

Mr. Arundel, in approving the larger form of tower, stated that there would be

1205/10
no difficulty in obtaining a grant from Municipal funds, but asked for an estimate of the cost.

The Consy. Architect has now submitted an estimate of Rs 10,078 for constructing the tower, but Mr. Arundel, on being asked whether the Municipality were prepared to contribute a moiety of the cost, says that the Commission can give only Rs 2,000 towards the object in view.

In addition to the cost of erecting the tower, it is estimated that an expenditure of about Rs 2,000 will be necessary for altering & setting up the clock, & placing them in
Consy.

connection with the electric circuit now existing between the observatory, the Central Station & the Maslee At-
tendants' Office. The total estimate will thus amount to Rs 12,000 or more, & if the Municipal contribution be accepted, the sum to be allotted by Govt will be over Rs 10,000.

For orders.

M. M. M. M.

28-3-84.

At a meeting held on 26th current, the Municipal Commissioners appear to have cancelled the proposal of Rs 2,000 made by their Standing Committee.

Vide Report of Proceedings in accompanying copy of Madras Times. 28-3-84.

W.

Ans. 28/3/84

For Mr. de...

For Mr. de...



If the Municipality won't contribute the expenditure of the work had better be postponed I think. He got the clock? H.P.

2/4

to W.

1285
11

Electric clock on the Mount Road.

With advertence to the H. M's inquiry - the clocks were received from England many years ago, & are apparently still in store at the observatory.

Mr. Poyson, in para 4 of his Admin Report for 1880 (printed with Prov. Public Dept. 11.11.87, No 1506) stated that "two other public electric clocks, in cast-iron cases, standing about 19 feet from the ground, have been in store awaiting orders for their utilisation, for eight years past."

These are the clocks which it is proposed to

appended a note

the

Connection with the

Cricket on the Mount
Road.

Cs

2/4/94

1205
12

1849

Electric Clock Tower on
the Mount Road

To DW.

For orders whether
the C.A.'s estimate of
Rs 10,078, may now
be sanctioned - the
Municipality to contribute
Rs 2,000, & Provincial
Funds, the balance Rs
8,078.

In Col. Samuels's
letter No. 625C of 14.3.83,
printed with G.O. No. 3257W
of 16.11.83, it was said
that Govt were prepared
to contribute Rs 5,000
towards the work.

The Financial Dept,
in transferring Mr
Arundell's letter, have
appended a note

the

for the P. W. Secy. to the
effect that "from a
marine point of view
this work is very urgent."

How this can be the case,
it is difficult to understand.

The electric clock at
the Master Attendants Office
has been in electrical
connection with the
Observatory since 1879.

The position of the clock is
now being altered. The
work is being carried out
by the Dray. Co., & it
is understood, completed
or nearly so.

The Mount Road
Clocks will eventually be
connected with the circuit
which now exists between
the Observatory, the Central
Station Clock & the Master
Attendants Clock, but delay in putting up & connecting
the former, will in no way affect the working
the clock at the Master Attendants Office.

1.3.84

To W Electric Clock.

The contribution promised
by municipality is far short
of the moiety of the work.

In addition to the £10,078
for the tower, £1,200 will be
the cost of establishing the electric
circuit, &c. From what source
this latter sum is to be defrayed
is not clear.

I certainly do not understand
the urgency from a marine
point of view.

£1,200
3-6-84

I spoke to the Chief Clerk
with respect to this point.
& at his request left the
papers with him to look
over & advise if necessary.

W.

4-3-84

Assist. Secy. of
the papers from the
Secy. Genl.
R. H. 25/3/84

To Secy

1205
14

Letter from the
President Madras Muni-
cipality No 208 & 26.2.24,
stating that the Comm-
can contribute only Rs
2000 towards the cost
of the proposed electric
Clock tower on the Mount
Road, has now been
returned by the Chief
Secretary.

Orders are re-
quired as to whether
the estimate of Rs
10,078 shall be
sanctioned, Provincial
funds contributing
Rs 8,078.

Please see notes
in the linked file.

To Mr

for order.

note on
order to be
prepared & 26-3-24

Cd

26/3/24

The clock at the

11071
1844

To W.

Inter: 20/3/84
1205
15

Electric Clock Tower
on the Mount Road.

Note for orders sub-
mitted for approval.

At their meeting
of Wednesday last

The Municipal Commission

referred the grant of
over Rs 2000 towards
the clock tower. The

contribution appears
to have been passed
by the Standing Committee.

but at the General
Meeting, the Commission
refused to confirm

the grant. It therefore
the clock tower is to
be built as designed.

The whole cost will
fall on Govt.

1/2

The clock at the

If approved, a posting
to this effect might be
added to the note for
orders.

On
24/7/11

S.A.W.

Proposed ¹²⁰⁰ ~~16~~ for Electric
Clock -

On looking through these
papers, it seems to me
highly desirable that a
more full Note for Orders
should be drawn up.

The history of the Clocks
should be given, - when
ordered, - when received
from England, - & what
various proposals have
been made respecting them
— all these points sh.
be noted.

The various estimates
that have in turn been
submitted & sanctioned
should be explained,
as for instance those in

Pro: 1-3-82 - W 533 W
" 11-1-83 - 116 W.
16-11-83 - 3257 W.

The reason why each such
proposal in turn has been
set aside should be clearly
stated.

The clock at the ...

1/11/11

As the Governor has taken much interest, & I think the papers should go to him, as well as to the Hon. Member, for orders at this stage.

W
5.4.84

To W.

Revised note submitted, with complete file.

The delay in sending this up has been due to our having had to obtain all the earlier papers from the Genl. Record Dept. owing to the Easter holidays intervening, & to some pressure of work after the holidays.

C

22.4.84

W

24.4.84

The clock at the ...

GOVERNMENT OF MADRAS

Chief Secretariat,

Fort St. George.

24 March 1884

1885
17

Dear Shaw Stewart,

Mr. Master and I supposed that the hearing office would be affected as the clock there is apparently to be in the same electrical circuit but if this is not so,

... I would ... the

there is no occasion
for you to take action
on the note.

Your sincerely
Frederick L. ...

Wm Col Shaw Street R.I.

I presume that all
notes such as these
are invariably removed
from files previous
to circulation.

1205
18

W

So W

All office reference
are suitably removed

Notes
W. L. ...
26.4.84

Note on the Subject of electric Clocks for Madras.

1205
19

Proc. Public Dept. No. 481 of 26.4.64

In April 1864,

Mr. Pagson the Govern-
ment Astronomer,

A very nice example of
'How not to do it'. The
Clocks were received from
England 10 years ago and
are still lying unused
in the Observatory. It seems
rather mean on the part
of the Municipality that they
should refuse to contribute
anything but they have been
pressing calls and perhaps
the Commissioners are right.
It is now estimated that
to put up the clocks
in a moderately handsome
tower at the spot opposite
D'Almeida's ship where four
principal roads intersect
will cost a little over Rs. 12000.

This is not a very large sum
and the result of the
expenditure will be useful
to the community. I would

brought to notice the
disordered state of the
Time Ball Machinery
worked at the Marine
office from the Observatory,
and, to obviate the
unsatisfactory nature
of the time signals given
to the shipping and
the

The clock at the

21

1-104

the public, he recommended

that a normal electric clock be procured & proceeded with
from England, capable

of transmitting telegraphic signals at any regular intervals of time and to say that I consider the proposed expenditure wholly unnecessary.

The Fort time gun would then be fired from the observatory, and Mr. Pops further suggested that sympathetic electric clocks, with conspicuous illuminated dials by night, might be set up in any part of Madras, and

The estimate has grown from Rs 847 (G.O. 1 March 1882 No 533 W.) to Rs 12000! We have two clocks to deal with to same expense it is proposed to put the two together in one turret. I submit that it is a waste of material to erect the two clocks in one place. It would be much more useful to the general public to have the correct

time shown in ¹²⁰⁵/₂₀ from the normal clock places.

Would it not be possible to utilize for the purpose some existing public or quasi-public structure? House gates was suggested.

There is the tower of Christ Church as a convenient spot for a clock in a conspicuous position. One it has one such clock. A clock but apparently

Gov. Public No 458 of 26-4-64 The Government approved a bad one. Why not arrange for one of these Mr. Pops's proposals, and clocks to place there?

The other might be authorized him to procure erected on one of the public buildings, or from England a normal clock. say the tower of the Bd of Rev electric clock and three or on the new P.W. Secretariat building sympathetic electric

clocks, at a cost not exceeding Rs 3000; but it was not until the middle of 1867, that

an indent for the clock
was submitted by the
Government Astronomer
and sent on to the
Secretary of state.

Proc. Public ¹²⁰⁵ ₂₁ no 794 & 6.7.67

Despatch no 13 & 16.7.67

The indent was
sanctioned by the Home
Government in February
1868, but in August of
the same year information
was called for from
Home as to the size
and description of the
Clocks &c.

Proc. Public no 370 & 21.3.68

Proc. Public no 1178 & 21.9.68

Proc. Public no 1383 & 5.10.69

These particulars
were furnished by Mr
Pogson ~~only~~ in September
1869.

Despatch no 34 & 8.10.69

Ride Proc. Public no 968 & 1.9.74

1869, and were transmitted
to the India office with
a despatch dated 8th
October 1869.

The four clocks
then appear to have
been received from
England in 1873, and
the normal clock was
set up in the observatory.
In August 1874, Mr.
Pogson submitted pro-
posals for setting up the
three symmetrical
clocks, and explained
that it would have
been

been useless starting them
sooner, as up to that time
the performance of the
normal clock at the
observatory had been
unsatisfactory.

The largest of the three
sympathetic clocks,
which was double-
faced, and thirty six
inches in diameter, it
was proposed to mount
on the roof of the main office.

The second and third
clocks were single-faced,
thirty two inches in
diameter,

1205
22
diameter, and were pro-
vided with substantial
iron turrets, sixteen feet
high by four and half
broad, resting on a
massive iron base to go
two feet into the ground.
It was originally proposed
to set up the second clock
near Government House
gate, but Messrs Orr
and Sons offered to
keep the three clocks
in repair, if one of them
could be placed in a
recess at the north end
of their premises on the

the Mount Road.

The Government in
their order No. 968 Public,
dated 1st September 1874,
approved the proposal
to set up the double-
faced clock on the
roof of the Marine Office,
and directed the Consulting
Architect to Government
to report, in communication
with the President Madras
Municipal Commission
and the District Engineer
Presidency, on the suitability
of the site for the second
clock

Pres. Public No. 968 of 1.9.74

Pres. Public No. 198 of 13.2.79.

" Marine No. 104 of 18.2.79.

" - - - 118 of 25.2.79.

" P.W.D. No. 616 of 28.2.79.

Pres. Public No. 1506 of 11.11.87.

1205/23
clock at Messrs Orr & Sons,
as well as to select a site
for the third clock.

Nothing more appears
to have been done until
February 1879, when the
double-faced clock
was set up at the Master
Attendants' office and
connected with the
Observatory.

In his Administra-
tion report for 1880, sub-
mitted with letter dated
26th October 1881, Mr
Pogson mentioned
that

1205
24

that the two single-faced
sympathetic clocks had
been lying at the Observatory
unused for eight years,
and the Consulting Architect
to Government was
directed to submit
an approximate estimate
for setting up one of the
clocks on the site already
selected in the neighbourhood
of Messrs Porrett & Son's
premises.

P.W.D. Memo No 2952 of 7.12.82.

Mr Fisher
then brought to notice
that the ornamental
parts

Proc. P.W.D. No 394 of 7.1.82.

1205
24

parts of the iron turret
received from England
were in bad style, and
he made certain proposals
for rectifying this at a
small cost, by putting
on a carved wood
and tiled roof, &c.

The proposals were
approved by Government,
and in G.O. No 533W

Proc. P.W.D. No 533W of 1.3.82.

dated 1st March 1882
an estimate amounting
to Rs 847 was sanctioned
for the work.

In January 1883,
Mr

Proc. P.W.D. No 116W of 11.1.83.

Mr. Fishkin reported
that the President Madras
Municipal Commission
had asked him to
reconsider the site
proposed for the clock,
suggesting the triangular
piece of ground in
front of Mr. Dangle's
shop on the Mount Road
as a more suitable position.

It was found however
that the turret was too
small for ^{such} ~~an~~ a spot,
and Mr. Fishkin
proposed to raise the
clock

1205
25
Clock to a suitable height,
to make it double-faced
by placing both the sympa-
thetic electric clocks
in one turret (thus saving
the cost of erecting them sepa-
rately) and to provide
access to it by an
interior spiral.

The Government again
approved, and a revised
estimate amounting to
Rs 3110, for carrying out
the modified proposals,
was sanctioned in
G.O. no 306 w dated
29th.

Proc. No 116 w d, 11.1.82.

Proc. P.L.D. No 306 w d 29.1.82.

29th January 1883.

Subsequently, it was found that there would be serious objections to erecting the turret as designed. The height proposed was too great to admit of the clocks being regulated from the outside, (the only practicable way of regulating them), and it was not possible to put both clocks back to back within one turret. The alternatives therefore were
(1) to revert to the design for

Proc. P.W.D. 4, 3257 W 16.11.82.

1205
26

for a small turret (with a single clock) sanctioned in G.O. No. 533 W dated 1st March 1882; or
12) to construct a larger and more substantial tower, with clock dial five feet in diameter, and with a suitable balcony to admit of access to the clocks outside.

Proc. P.W.D. 4, 3257 W 16.11.82.

The opinion of the President Municipal Commission was asked in the matter, in a letter dated 14th March 1883
N.

N^o 625C, and it was
intimated that, if the
Municipality were dis-
posed to bear a portion
of the expense of the
larger structure, the
Government would be
prepared to make
a contribution of the
amount of the ^{last} sanctioned
estimate, viz Rs 3110, or
even a round sum
of Rs 5000.

Mr. Arundel, in
his reply dated 12th
October 1883, approved
the larger form of
tower

Proc. No 3257 of 16.11.83.

1205
27
tower, stated that there
would be no difficulty
in obtaining a grant from
Municipal funds, but
asked for an estimate
of the cost.

Proc. No 3257 of 16.11.83.

Comy. Architects letter No 1217 of 11.12.83.

This was then called
for, and in his letter
dated 11th December 1883,
the Consulting Architect
submitted an estimate
of Rs 10,078 for constructing
the tower, but Mr.
Arundel, on being asked
whether the Municipality
were prepared to contri-
bute a moiety of the
cost,

Cost, replied in his letter

of 26th February 1884, that

the Commission could

give only Rs 2000 towards

the object in view.

In a letter dated

28th March 1884, Mr
reports

Arundel, that the

Municipal Commission

have refused to confirm

the allotment of Rs 2000,

thus throwing the entire

charge on Government.

In addition

to the cost of erecting

the tower, it is estimated

that an expenditure

of

Mr Arundel's letter No 208 of 26.2.84

Proc. Public No 795 of 15.4.84

1205
28

of about Rs 2000 will be

necessary for altering

the dials of the clocks

to 5 feet diameter, setting

them up, and placing

them in connection

with the electric cir-

cuit now existing

between the observatory

the Central station,

and the Master

Attendants office.

The total expenditure

to be met will therefore

be over Rs 12,000.

For orders.

J. Mawhood

24-4-84

Cu

Electric Clocks

CDL/

The Honble H.B. Sullivan
The Honble C. J. Master
The Rt. Hon the Governor

For Orders



1205
29.
The question of these clock
has been before Council at
their last two meetings,
and it was decided today
that, inasmuch as the
Madras Municipality have
declined to contribute
towards the cost of
constructing a clock tower
on the Mount Road, that
proposed be abandoned,
— and that the C.A. be
instructed to submit proposals
for placing one of the clocks
inside the large hall of
the new Post Office,
and the other outside the
P.W. Offices at Chappin.
Please draft disposal
accordingly. M

7-5-84

1205/30 Financial Department. p 8

PROCEEDINGS OF THE MADRAS GOVERNMENT.

G.O. dated 15th April 1884, No. 795, Financial. READ the following

Letter from the President, Municipal Commission, Madras, P.W. No. 345 of 28 March/84

Referring to my letter No 208 dated 26th February, I have the honor to inform you that the Commissioners by a majority of one at a General Meeting on the 26th Instant have declined to confirm the allotment of Rs 2000 two thousand towards the erection of the Electric Clock Tower in the Mount Road.

Order thereon 15th April 1884 No. 795.

Forwarded to the Public Works Department, in continuation of Endorsement No 454 of 29 February.

+ C No 1849.
with L.A. 18/4

1884-

/ True Extract /

100-223

To

A. H. Under Secretary

The Public Works Department
K. S. Rajagopal Chetty

now available at the
Observatory, His Excellency
the Governor in Council
directs that the proposal
be abandoned. The

Consulting Architect will,
in consultation with the
Astronomer and Telegraph Dept.,
frame estimates for

placing one of the clocks
inside the large hall of
the new Post office, and
the other outside the
Public works offices at
Chopak. These estimates
should be submitted as
soon as possible.

III
8.5.84

Cong. architect to Govt. with 14 copies
H. B. Dept.
Public Dept.
Chief Supt. of P. & T. for info.

1205
33

Sum
Money
12/5

9/17/85

8326 Lcu

Govt. of Madras.

PUBLIC WORKS.

337

Dated

Handwritten signature

15/5

Recd.

Recd.

Handwritten signature

G.O. 13 May 1884, No. 1245

Electric Clocks

The proposal to build
a tower on the Mount
Road ^{on which} to place
the two — available
at the Observatory
& estimates called for
for placing one of them
inside the new Post
Office building, & the
outside the P. W. Office
at Chempak.

5/4

Subd. Secy Secy