(1) Number of pages 28

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(3) Initials of the Reiterencer bms

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

P.W. DEPARTMENT

G.O. No. / B.P. No.	935 — W	Press. / Mis.
Dated	6. 4. 1886	198 .

Con. 9

Not to be folded or roughly handled.

Archives — I 10,006-9 80

935

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

Read—the following letter from P. V. LUKE, Esq., Chief Superintendent, Government Telegraphs, to the Secretary to Government, Public Works Department, dated Madras, 30th March 1886, No. 6599 :—

With reference to G.O., dated 4th November 1885, Mis. No. 2577, Public, I have the honor to report that the wire to connect the Observatory with the clock at Messrs. Orr and Sons will be ready for use from the 1st April next, and to request that the rent and maintenance charge of Rs. 216 per annum may be accepted from that date.

2. The Telegraph Department, whilst engaging to supply and maintain the wire between the Observatory and Messrs. Orr and Sons' premises, can accept no charge of, or responsibility for, the electrical portion of the fittings or apparatus at either place.

Order—dated 6th April 1886, No. 935 W., Public Works.

The charge is accepted.

(True Extract.)

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

To the Chief Superintendent of Telegraphs, Madras Division.
" Superintending Engineer, V Circle.
" Examiner, Public Works Accounts.
" Public Department.

Exd. A. Aubert.
Spare Copies

GENERAL.
ACCOUNT.

Govt. of {1886} Madras.

PUBLIC WORKS.

Dated April, 6th.

Recd. *Encl.*

G.O., 6th April 1886, No. 935 W.

APRIL.

Messrs. Orr and Sons' Clock, Mount Road

An annual rent and maintenance charge of Rs. 216 *for the wire connecting the Observatory with* —, accepted from 1st April 1886.

935/2

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

1st March 1882, No. 533 W.

Buildings and Roads.
Civil Works.

Read the following paper :—

No. 5. From the Consulting Architect to Government, dated 20th February 1882, No. 879 W.

No. 6. ORDER THEREON, 1st March 1882, No. 533 W.

THE estimate amounting to Rs. 847 for putting up an electric clock on the Mount Road, Madras, is sanctioned.

2. The Consulting Architect was directed to carry out the work in G.O., No. 38 W., dated 7th January 1882, and an allotment of Rs. 847 is now made to the Minor Works grant of the Architect Division.

3. This sanction has been registered as Provincial No. 132 W. of 1881-82, and classified as Civil Buildings, Original Works.

(True Extract.)

(Signed) R. H. SANKEY, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Consulting Architect to Government, with three enclosures.
" Examiner of Public Works Accounts, with original Abstract Estimate.
" Public Department.

Exd. S. T. Austin.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1882} Madr

PUBLIC WORKS.

To

THE CONSULTING ARCHITECT
TO GOVERNMEN
&c., &c.,

Dated March, 1st.

Issued

Recd. Encl.

G.O., 1st March 1882, No. 533 W.

MARCH.

Nos. 5-6.

Electric Clock.—Estimate amounting to Rs. 847 for putting up an — on the Mount Road, Madras, sanctioned.

935/3

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

No. 115.

READ—the following letter from R. F. CHISHOLM, Esq., Consulting Architect to Government, to the Chief Engineer, Public Works Department, dated Chepauk, 8th January 1883, No. 816.

I have the honor to submit the following matter for the decision and orders of Government.

In G.O., No. 533 W., dated 1st March 1882, a plan and estimate (the latter amounting to Rs. 847) was sanctioned.

One tracing.

The work consisted of erecting a single face electric clock adjacent to Messrs. P. Orr and Sons, Watch and Clock Makers in Mount Road.

Shortly after the work was commenced the Municipal Commissioner asked me to reconsider the site. He thought the clock would not be sufficiently prominent, and suggested, as an alternate site, the triangular space in front of D'Angelis in the Mount Road, where a lamp-post now stands. I explained that the whole structure was too small in my opinion to stand here, without bordering on the ludicrous, and I erected a full-sized profile of mats to show the effect. Mr. Arundel admitted that the structure was low, but thought if the clock could be raised, the open site preferable.

If the clock is raised, it will be necessary to obtain access to it; this can only be done by a spiral. I have made this as small as possible, and proportioned the height according to the breadth; the clock will thus be raised from 16 feet to 28 feet.

The cost of the two plans is as marginally noted.

No. 1, Rs. 847.
„ 2, „ 3,110.

I should explain that there are two electric clocks to be placed in the town, and that if the clear site is selected (Plan No. 2), it would be better to make the clock double faced.

In this case the outlay on the second clock would be avoided.

Soliciting orders, I have, &c.

No. 116.

ORDER—dated 11th January 1883, No. 116 W., Public Works.

The larger design estimated to cost Rs. 3,110 has been approved by Government. A formal revised estimate should be submitted for sanction as early as practicable, and any additional funds required, applied for at an early date.

(True Extract.)

(Signed) R. H. SANKEY, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Consulting Architect to Government, with Plan.
„ Examiner of Public Works Accounts.
„ Public Department.

Exd. A. F. Goodall.
Spare Copies

GENERAL.
ACCOUNT.

Govt. of {1883} Madras.

PUBLIC WORKS.

Dated January, 11th.

Recd. *Encl.*

G.O., 11th Jan. 1883, No. 116 W.

JANUARY.

Nos. 115-116.

Electric Clock.

The design for erecting an — on the Mount Road, Madras, approved.

935
4

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

No. 265.

READ—the following papers :—

From the Superintending Engineer, Fifth Circle, dated 23rd January 1883, No. 3689.

No. 266.

From R. F. CHISHOLM, Esq., Consulting Architect to Government, to the Chief Engineer, Public Works Department, dated Chepauk, 25th January 1883, No. 898.

1 Tracing.
1 Detailed Estimate.
1 Abstract.

I have the honor to submit the revised plan and estimate for the electric clock turret called for in G.O., No. 116 W., dated 11th January 1883.

No. 267.

ORDER—dated 29th January 1883, No. 306 W., Public Works.

The revised estimate, amounting to Rs. 3,110, for constructing an electric clock turret on the Mount Road, Madras, is sanctioned for execution by the Consulting Architect to Government.

2. The excess of Rs. 2,263 over the original estimate for Rs. 847, sanctioned in G.O., No. 533 W., dated 1st March 1882, is explained in G.O., No. 116 W., dated 11th January 1883.

3. Rs. 1,847 have been allotted for the work in the orders marginally noted, and the Consulting Architect will endeavor to utilize this grant before the end of the official year.

No. 1705 W., dated 7th July 1882.
No. 157 W., „ 15th January 1883.

4. This sanction has been registered as Provincial No. 216 W. of 1882-83 and classified as Civil Buildings, Original Works. Provincial No. 132 W. of 1881-82 is cancelled.

(True Extract.)

(Signed) R. H. SANKEY, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Consulting Architect to Government, with two Enclosures.
„ Examiner, Public Works Accounts, with duplicate Abstract Estimate.
„ Superintending Engineer, Fifth Circle.
„ Public Department.

Exd. A. F. Goodall.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1883} Madras.

PUBLIC WORKS.

Dated January, 29th.

Recd. *Encl.*

G.O., 29th Jan. 1883, No. 306 W.

JANUARY.

Nos. 265—267.

Electric Clock Turret.

A revised estimate for erecting an — on the Mount Road, Madras, sanctioned.

935

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers:—

From R. F. CHISHOLM, Esq., F.R.I.B.A., Consulting Architect to Government, to the Chief Engineer, Public Works Department, dated Chepauk, 9th March 1883, No. 1077.

I have the honor to state that the Government Astronomer has called upon me to say that there will be serious objections to constructing the electric clock turrets as designed by me. The height is too great to enable the clock to be regulated from the outside, and this, it appears, is the only way of regulating it. Again, it will not be possible to put both clocks back to back within the small turret. There appear to be, therefore, two alternatives, viz., either to adopt my original plan, sanctioned in G.O., No. 533 W., Public Works, dated 1st March 1882, or to abandon the whole of the exterior and to construct a small clock tower with clock dials five feet in diameter. Mr. Pogson authorizes me to state that the works of the clocks will be sufficient to work hands suitable to dials of this size.

From Colonel R. H. SANKEY, R.E., Secretary to Government, Public Works Department, to the President of the Municipal Commission, Madras, dated Madras, 14th March 1883, No. 625 C.

From the annexed letter * from the Consulting Architect to Government it appears that, in the opinion of the Government Astronomer, the turret sanctioned in G.O., No. 673 W., dated 3rd March 1883, for exhibiting two electric clocks on the Mount Road cannot be carried out on the present design, and that the alternatives are—

(1) to revert to the design for a small turret sanctioned in G.O., No. 533 W., dated 1st March 1882; or,

(2) to construct a larger and more substantial tower with clock dials five feet in diameter.

* No 1077, dated 9th March 1883.

2. This would admit of access to the clocks outside by means of a suitable balcony, but the work would necessarily be much more costly, and it is thought that, under the circumstances, the municipality might be disposed to bear a portion of the expense.

3. I am authorized to say that if this be so, the Government are prepared to make a contribution of the amount of the last sanctioned estimate, viz., Rs. 3,110, or even a round sum of Rs. 5,000.

4. Should the municipality accede to this proposal, the requisite instructions will be given for preparation of a suitable design and estimate by the Consulting Architect to Government.

5. I am to forward the papers in original for reference and early return.

From A. T. ARUNDEL, Esq., President of the Municipal Commission, Madras, to the Secretary to Government, Public Works Department, dated Madras, 12th October 1883, No. 1071.

In reply to your letter, No. 625 C., dated 14th March 1883 (enclosures returned) and the Under Secretary's memorandum, No. 2152 C., dated 7th November, I have the honor to state that I think it will be better to adopt the larger form of clock tower with inner staircase. There will, I am sure, be no difficulty in obtaining a grant from the municipal fund towards the work, but I should be glad to know the total estimate for the tower and the municipal allotment that would be needed.

2. I have to express my regret for the delay in disposing of this reference.

ORDER—dated 16th November 1883, No. 3257 W., Public Works.

The Consulting Architect to Government will submit, without delay, a plan and estimate for carrying out the second alternative proposed in letter, No. 625 C., dated 14th March 1883, above recorded.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Consulting Architect to Government, with two enclosures.
" Public Department.
" Financial Department.

Exd. E. Fernandez.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1883} Madras.

PUBLIC WORKS.

Dated November, 16th.

Recd. *Encl.*

G.O., 16th Nov. 1883, No. 3257 W.

NOVEMBER.

Clock Tower

A plan and estimate for a substantial — with dials five feet in diameter, to be erected in Madras, called for from the Consulting Architect.

935
7

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 Chepâk, 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.)

CHEPÂK,
19th December 1883. (Signed) C. BOWEN, Major, R.E.,
Under Secy. to Govt., P.W.D.

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.

20th February 1884. (Signed) E. F. WEBSTER,
Chief Secretary.

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 Chepâk. These estimates should be submitted as soon as possible.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

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

Erd. A. Aubert.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated May, 13th.

Read. *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 Chepâk.

935/ Public Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following

Letter from the Chief Superintendent of Telegraphs, Madras Division, No. 3877, dated the 22nd October 1885, enclosing a memo of rate (Rs 216 per annum) for rent and maintenance of line from the Observatory to Messrs Orr's shop.

Order thereon 4th November 1885 No. 2577 Revd

The Chief Superintendent of Telegraphs will be instructed to connect the Observatory with the Clock which Messrs Orr & Sons propose to place on the Mount Road as soon as it is going — the charge being borne by Government.

(True Extract.)

for Chief Secretary.

To
The P. W. Dept. ✓
with copy of G.O. 2203 of 85.
" Acct General
" Chief Supdt. of Telegraphs,
Messrs P. Orr & Sons.
The Govt. Astronomer

VR/RS.

GOVERNMENT OF MADRAS.

PUBLIC DEPARTMENT.

Read—the following paper :—

From Messrs. P. ORR and SONS, to the Chief Secretary to Government, dated Madras, 11th September 1885.

We have the honor to inform you that we are at present engaged in making some additions to our premises on the Mount Road, and it has occurred to us to add a clock in a prominent position for use of the public, which shall also be visible from Government House opposite. There is no public clock available for the large portion of the community who live in the vicinity of the Mount Road and southern portions of Madras, and we now beg to inquire whether Government would be willing to bear the expense of connecting the clock with the Observatory by electric wire so as to ensure exact mean time. We are willing to supply the structure and clock and to keep it in order.

2. Trusting to be favored with an early reply, we are, &c.

Order—dated 21st September 1885, No. 2203, Public.

Messrs. Orr and Sons' public-spirited offer is acknowledged with thanks.

2. The Superintendent of Telegraphs will report what the cost of connecting the clock with the Observatory will be.

(True Extract.)

W. WILSON,
for *Chief Secretary.*

To Messrs. P. Orr and Sons.
„ the Superintendent of Telegraphs.
„ the Government Astronomer.

Exd. T. O'Connor.

Govt. of {1885} Madras.

PUBLIC.

935
11

Issued

Read. Encl.

G.O., 21st September 1885, No. 2203.

SEPTEMBER.

Clock.

Thanking Messrs. P. Orr and Sons for their offer to put up a — in a prominent position over their shop for public use, and inquiring of the Superintendent of Telegraphs the cost of connecting the same with the Observatory by wire, in view to ensure exact mean time.

[6]

Govt. of 188 Madras.

No. 2680 W dt Nov. 10. 1885.

Recorded.

Dup. C
7/11/85

W
7.11.85

1205 W 9/13/5/04
325 W 2/16/11/03
306 W 27/5/03
W 11/5/03
733 W 7/3/02

S.E.V wrote
S. V Engd
Ex. W. Acct

Lee
11/11/85
Id 28/10 13 24/10

To The Public Works Depte

No. 2680 W dt Nov. 10. 1885
Rec'd 6/11/85.

Proceedings, dated 4 November 1885
No. 2577 Revs

Subject.

Instructing the Chief Supt of Telegraphs to connect the observatory with the clock which Messrs Orr & Sons propose to place on the Mount Road.

9350

With order

No 6599.

From

The Chief Superintendent
Government Telegraphs
Madras Division.

To

The Secretary to the
Government of Madras
Public Works Department

Dated Madras 30th March 1886.

Sir,

935/12

Public Depte

With reference to G. O. dated 4th November 1885 No 2577 Revs, I have the honor to report that the wire to connect the Observatory with the clock at Messrs Orr and Sons will be ready for use from the 1st April next, and to request that the rent and maintenance charge of Rs 216/- per annum may be accepted from that date.

2. The Telegraph Department while engaging to supply and maintain the wire between the Observatory and Messrs Orr and Sons premises can accept no charge of, or responsibility for, the electrical portion of the fittings or apparatus at either

either place.

I have the Honor to be,

Sir,

Your most obedient Servant.

S. Zuke

Chief Superintendent.

935/13

G.O. No. 533 W dt/ 1.3.82.
" " 116 W dt/ 11.2.83.
" " 306 W dt/ 29.1.83.
" " 3257 W dt/ 16.11.83.
" " 1205 W dt/ 13.5.84.
" " 2680 W dt/ 10.8.85.

Rec'd

A No. 935 W dt/ 6 April/86.

The charge is accepted.

2/4/86

2.4.86

13/4/86

Chief Supdt of Tels. M.S.
Supdt Circle V
Ex P.W. Accts V
Public Dept V
Chief Secretary for favour of communication

Government Telegraph Department

Rec'd 2487

P. W. D.

From

The Chief Superintendent
Government Telegraphs
Madras Division

31 MAR 86
P.W. DEPARTMENT

To

The Secretary to the
Government of Madras
Public Works Department

Madras 30 March 1886.
Rec'd 31

No. 6599.

Subject

Reports that the wire to connect the observatory with the clock at Messrs Orrs & sons will be ready from 1st April next.

With order

230/14

2407

Govt. of Madras. 1886

PUBLIC WORKS.

Dated 7/5/86

Read. Encl.

G.O., 6 April 1886, No. 935

Messrs Orr & Sons

Clock, Mount

Road.

An
Annual rent
& maintenance
charge of Rs 216 for
the wire connecting
the Observatory
with the — exchange
from 1st April '86.

60
5

187/4

Oct 7th