(1) பக்கங்களின் எண்ணிக்கை 20.

(2) புதுக்கித் திருப்பிய நாள் 10/89

(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம்

59

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

PWD துறை

அரசாணை எண். மு. கோப்புத் தாள் எண். 1331	அச்சகம் பலவகை
நாள் : 18 5 1889	198 .

மடி.

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

10 Sheets

Annexure 3 Map sent to meeting file

அரண, எண்-1—15,000—18-8-87.

1331

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper :—

From Major D. McNEIL CAMPBELL, R.E., Superintending Engineer, I Circle, to the Chief Engineer, Public Works Department, dated Dowlaishweram, 27th April 1889, No. 224 G.D.

I have the honor to report that, having been informed that the Division office building at Chettipet in the Western Delta was in a dangerous state, I inspected it on the 12th instant and found it very much cracked, so much so that I ordered one room which I think in danger of collapsing to be at once vacated and I consider the whole building to be unsafe, and I recommend that it be pulled down, the materials being used in the construction of another office; it is too much cracked for buttressing or tying to be of any use.

2. I enclose a tracing and copy of a letter from the Assistant Engineer in charge of the division giving details of the cracks. The office was constructed in the year 1877 at a cost of Rs. 11,882, and for many years showed no signs of cracking; in fact it was not till after the floods of 1886-87, when the compound was under water for several days, that any serious settlement took place, and it is only in the last few months that the cracks have been getting rapidly worse. The soil on which the building stands is extremely bad and I measured some cracks in the vicinity nearly 6′ deep, and I think the failure is due to the ground cracking after being thoroughly saturated by the floods.

3. I thought that perhaps the drain (shown in tracing) at the back of the building and which is in rather a peculiar position might have had something to do with the failure, but I examined it and found it in good order.

4. If another office is to be built with the materials of the present one, it will be necessary to find accommodation for the office establishment during its construction, and the only suggestion I can make is that the Executive Engineer's house at Dowlaishweram be temporarily used as an office, and if the three months' leave applied for by the Executive Engineer, Eastern Delta division, be granted, this can be done without inconvenience.

Note by the Acting Chief Engineer for Irrigation.

I am surprised that the building which has stood well for upwards of 12 years should have suddenly come to such grief. There cannot be any doubt whatever that it is entirely due to movement of the ground, due probably to its having been flooded.

2. The Superintending Engineer should have described the foundations or shown them on the tracing; they are easily ascertainable from the existing plan of the work as built and other records.

3. The work was good and was carried out when a competent and most careful officer, Lieutenant (now Major) Dorward, was in charge of the division.

4. The *old* cracks in the verandah pillars (on the *outside* of them) undoubtedly arose from the drag inwards of the top of the pillars when the verandah rafters sagged slightly as they had been notched to the bressummers too rigidly; those cracks had nothing to do with the present state of affairs. I see nothing for it but to pull down the building and erect another on the same general plan, so that roof timbers, doors, windows and other woodwork and fittings (the most expensive part of the building) may be used again, and of course the tiles and many of the bricks will be fit to use again.

5. In rebuilding I would keep further away from the weir channel and from the canal.

6. I should think that the office might, during construction of the new building, be accommodated in the Chettipet rest-house and a temporary shed with perhaps the assistance of the large office tent generally lying idle at the Superintending Engineer's office.

(Signed) G. T. WALCH,
Ag. Chief Engineer for Irrigation.

11th May 1889.

ORDER—dated 18th May 1889, No. 1331 W., Public Works.

The Superintending Engineer, I Circle, will prepare an estimate for a new building with reference to the remarks of the Chief Engineer for Irrigation. The office can, in the meanwhile, be accommodated as suggested by Mr. Walch.

(True Extract.)

Captain, R.E.,
Under-Secy. to Govt., P.W.D.

To the Superintending Engineer, I Circle.
" Chief Engineer for Irrigation.

Exd. J. Henricus.
Spare Copies

1331

2

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1889} Madras.

PUBLIC WORKS.

Dated May, 18*th*.

Read. *Encl.*

G.O., 18th May 1889, No. 1331 W.

MAY.

Division Office at Chettipet

Instructions to Superintending Engineer, I Circle, for preparing estimate for a new building for the —.

Godavari Delta
Western Delta
Plan of Dr. office

Scale

(33)

N.B. sepia colored lines denote all cracks in the walls of Building, and foundation

Marked thus denotes cracks in the columns

Executive Engineer

Assistant Engineer

Store room

Drawing room

crack

A

K.K

A.A

(1) பக்கங்களின் எண்ணிக்கை 8



No 29

Godavari Delta Irrig. Office

Cheltepett 19th April 1909.

From

The Executive Engineer

Godavari Eastern Division

To

The Superintending Engineer

1st Circle

(331) (331)

Sir

I have the honor to report
for your information, & favour the Board to
submit herewith my Diary of the
Cheltepett Division Office showing
the cracks. The dates have been
given in the plans as nearly as can
be ascertained & the dimensions are
shown against most of the cracks &
all cracks not dimensioned are under
1/8 inch across. The oldest cracks are
(1) in the S.W. Corner where one pillar
was cracked a long time ago and
(2) the cracks in the S. Walls of
the tank Engineer office marked
11/86. This has lately spread and

4 4 the

the plaster on the West wall is being cracked out at about the level of Verandah roof.

The West cracks at present are

(1) the one above mentioned

(2) the three cracks shown in Section EE. The one on the left of the section was at one time about 2 months ago 1" wide but has since closed. The lower part of the wall has moved 1/2" to the W. & 3/4" to S. The centre crack is the most dangerous, it is widest under the ridge, about 3/4" and the upper part of the wall is falling over towards the Assistant Engineers Office, this crack has increased rapidly & moved quite recently to that from the left hand angle of door marked A. The crack which is shown in the enlarged elevation has not moved much recently but where it joins the ridge has widened rapidly. This crack shows a movement of the lower portion of the wall of 3/4" west & 3/4" South. The cracks in the draftsmens office are all recent and are still increasing. Two cracks are also appearing in the arches of windows in Draftsmans and

31 Executive Engineer's Office rooms. This extensive cracking of the Office seems mainly to have taken place since.

1) the construction of the back drain & the 1886 floods. The drain however as you saw seems to be in good Condition. The crack in the angle pillar at the S.W. Corner occurred I believe before the drain was laid and was I think attributed by G. T. Walsh Esquire when Superintending Engineer to the dragging of a Breasummer. I have ordered according to your instructions that the Executive Engineers Office is not to be used. I believe I informed you that the building was of rough stone, plastered & this was incorrect as the building is all of brick.

5 5 In

In conclusion I request that early orders may be obtained for the Construction of a new office, as if the present building were to collapse there is no building in the Village Suitable or available for a Division office

I have &c

(Sd) J. S. Wilson

Assistant Engineer

Incharge Western Div

Galway

(True Copy)

Gtw Campbell Major RE

Superintending Engineer

1st Circle

13316

E1

PH 4028/89

Pencil 2

No. 224 GD

1P

FROM,

Major Dmc Neill Campbell RE

SUPERINTENDING ENGINEER

FIRST CIRCLE.

TO,

THE CHIEF ENGINEER (331

1331

PUBLIC WORKS DEPARTMENT.

DOWLAISHWERAM, 27th April 1889.

SIR,

I have the honor to report that having been informed that the Division office building at Chettipett on the Western Delta was in a dangerous state, I inspected it on the 12th Instant and found it very much cracked, so much so that I ordered one room which I think in danger of collapsing to be at once vacated and I consider the whole building to be unsafe, and I recommend that it be pulled down the materials being used in the construction of another office; it is too much cracked for buttressing or repairing of any use

5

6

I enclose a tracing and copy of a
from the Assistant Engineer incharge of
the Division giving details of the cracks
The office was constructed in the year
1877, at a cost of Rs. 11882 and for many
years showed no signs of cracking, in
fact it was not till after the floods
of 1886-87 when the compound was under
water for several days that any serious
settlement took place and it is only in
the last few months that the cracks
have been getting properly wide. The soil
on which the building stands is extremely
bad and I am sure some cracks
in the verandah nearly 6 feet deep
and I think the failure is due to the
ground cracking after being thoroughly
saturated by the floods.

I thought that perhaps the
drain (shown in tracing) at the back
of the building and which is no better
a peculiar position might have had
something to do with the failure but
on examining it I found it in good

another office is to be built with
the materials of the present one, it
will be necessary to find accommo-
dation for the office establishment
during its construction and the only
suggestion I can make is that the
Executive Engineer's house at Dum Dum
be temporarily used as an office and
if the 3 months leave applied for by
the Executive Engineer Eastern Delta Dn
be granted, this can be done without
inconvenience.

I have the honor to be
Sir,
Your most obedt Servant

J. W. Campbell Major R.E.
Supg Engineer 1st Circle

7

80. Aug 431 dy 17-7-77
- 907 dy 17-3-77
- 3508 dy 14-12-94
- 1497 dy 6.6.74
- 1077 dy 18.6.74
- 744 dy 13.3.71

FROM, Major D Herbert Cam, bbsc
SUPERINTENDING ENGINEER
FIRST CIRCLE.

TO,
THE CHIEF ENGINEER
PUBLIC WORKS DEPARTMENT.

DATED 27 Apl
DESPATCHED 29 } April 1889
RECEIVED

NO. 224 Gd.

ENCLOSURES 2

SUBJECT. (Office)

Revision office building at Chittiput=

Reporting on the unsafe State of the - and recommending that it be pulled down and another constructed

A48. 5/5.

No. 1331

Government of Madras.

PUBLIC WORKS DEPARTMENT.

Ootacamund, 11 May 1889.

OFFICE NOTE.

From W

To EJ

Letter from the SE i/c Cuda No 224 Gd. of April 27. 1889

For favr of remarks.

Rueds

Wrk 10.5.89 W

I am surprised that the building which is stood well for upwards of 12 years should have suddenly come to such grief. We cannot be very doubtful what is the cause but it is certainly due to

8 p 4

O&S. 5/5.

Public Works Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the 15th January 1889

Read the following

From the Supty Engineer I Circle (HE No 224 GD of April 27. 1889)

Noted by the Chief Engr for I. (- - of May 11. -)

The Supty Engineer

I Circle will prepare an

estimate for a new building

with reference to the

remarks of the Chief

Engineer for Irrigation -

The office can in the

meanwhile be accommodated

as suggested by Mr Walker.

S E I Circle

C E for I.

9 15.5.89

14.5.89

Give Ground

Lable to

Sh leaving been

flooded -

The Supt Co. should

have described the

ground &c, or shown them

in the tracing, stated as

each ascertainable

from the Photographic plan

of the work as built.

& other records

The work was stood &

was carried out when

a Competent and

most careful Officer.

Lt (now Major) Gorrard

was in charge of the

Division -

The old cracks in the

Verandah pillars (on

the Outside of them)

undoubtedly arose

from the drying inwards

of the top of the pillars

when the Verandah

arches passed elastically

as they had been

attached to the brickwork

too rigidly. These cracks

had better be dealt with

the present state of affairs -

Since settling first but

to pull down the buildings

& start anew the most valuable

Second Floor, as that

is of timber - doors -

windows & other woodwork

& fittings of the most valuable

part of the buildings, being

be used again - & of course

the tiles & bricks of the

buildings will be fit to use again.

1331

Should keep for the

from the Consl-

Should think that the Office

Law Buildings be accommodated

a Verandah should run for the

East Front of the Office

The S.S.I. Circle will be called upon

upon to prepare an estimate for a new

building with reference to the remarks of the

Chief Engr for Irrig - The Office can in the meantime be accommodated

Should keep for the Consl

Should think that the Office

Law Buildings be accommodated

a Verandah should run for the

East Front of the Office

The S.S.I. Circle will be called upon

upon to prepare an estimate for a new

building with reference to the remarks of the

Chief Engr for Irrig - The Office can in the meantime be accommodated

Ans to Despatch from Govt

7.c.c

8

1331

Cant. Pl. Lib.

Aug.

Ast. S/S. Hamilt.

10

Govt. of (1880) Madras.

PUBLIC WORKS.

Dated

Rec'd

Encl.

G.O. 18 May 1880 No. 1331

Written office binding

=

at Chittipet

=

Instructions to S E

Circle for preparing

estimate for a new

building for the —

(10)