

(1) Number of pages _____

(2) Date of repair _____

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE

Government of Madras

Public Works DEPARTMENT

G.O. No.	888	Press
B.P. No.		Mis.
774-775		
Dated	30-8-1874	195 .

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
30th March 1874.*

No. 774. Read the following letter from Colonel E. A. FOORD, R.E.,
Inspecting Engineer for Civil and Military Buildings, to Colonel G. W.
WALKER, R.E., Secretary to Government, Public Works Department,
dated Chepauk, 6th January 1874, No. 1:—

In continuation of my letter of the 24th November, No. 1,559, I have the
honour to forward a copy of the District
Engineer's report* on the foundations
of the Koilguntla Cutcherry, written after he had himself inspected them.

2. It will be seen that he ascribes the failure of the work to the same cause
as that already mentioned in my letter, viz., to the foundations not having been
taken down to the firm soil below the sand. The masonry itself is said to be
good throughout.

3. As it appears that no better foundation will be obtained by changing the
site, and as the present site is the most convenient in other respects, I have autho-
rized the District Engineer to at once commence rebuilding the Cutcherry on the
revised standard plan, and to himself see the first course of the foundation laid in
firm soil that may be relied on; also to prepare a design for a new Cutcherry,
based on the standard plan, but with such modifications as are rendered necessary
by the materials and labour to be obtained at the place.

No. 775. ORDER THEREON, 30th March 1874, No. 888.

CIVIL WORKS, No. 81.

The instructions given by the In-
specting Engineer for Buildings to the
District Engineer of Kurnool, relative
to the Koilguntla Cutcherry, are approved.
(True Extract.)

Colonel, R.E.,
Secretary to Government.

To the Inspecting Engineer for Buildings,
,, District Engineer, Kurnool.

Exd. S. T. Austin.

Spare Copies

Chas. G.

Public Port & Dept.

Letter from the Inspecting Engineer
for Buildings, dated 6th January 1874,
No. 1, in continuation of the paper on
the same subject already in circulation.

Circulated with the
remark that the Chief
Engineer authorized the
action reported above
taken last year, viz the
3rd part of the Inspecting
Engineer's letter, to circum-
vent commencement of the
work under Mr. Somers's
own superintendence.

We can but express
the deep regret that
the latter report is
called for and as shall say
unavoidably coming to the
right party. The latter
agrees to report who is responsible
for the work performed done
inflicting. We cannot permit
ourselves to be fooled & set back
or by bringing responsibility
home to those who may be
responsible.

Chas. G. Jones
January 1874

Wm. Walker Colonel R.
Secy. to Government
P.M. D.

N^o 926.

56
District Engineer's Office
Kaila Kumilla 18th December
1873.

From

The District Engineer
Kurnool

To

The Inspecting Engineer
for Civil & Military Buildings

Sir

I have the honor to inform
you that I came here yesterday to
meet the Deputy Collector and Tah-
sildar for the purpose of examining
certain new sites proposed for the
Talook Catchery.

We inspected five new
sites, and I had trial pits dug in
them, to ascertain what the substrata
were:- I had pits dug, also close to
the walls already built, so as to be able
to form a comparison between the
old

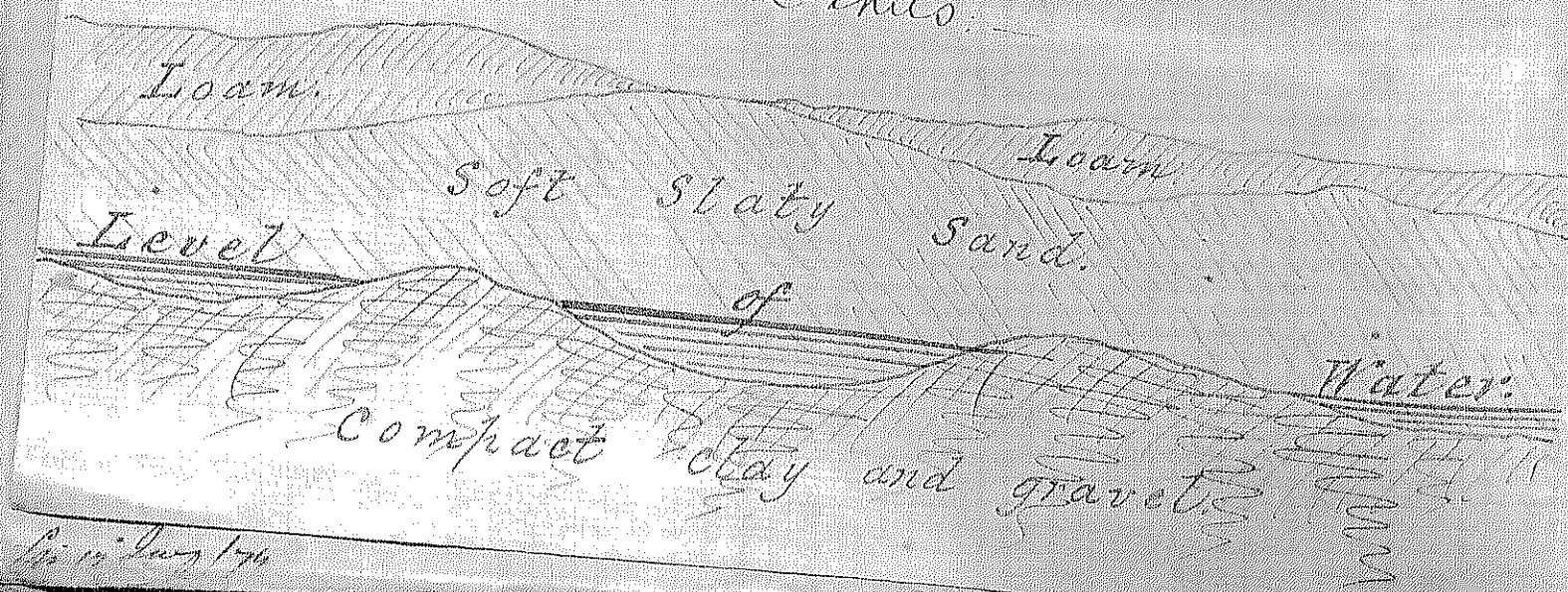
old site and the new one suggested.

2. There is no material difference in the sites, being all much the same — thus:

One to three feet of loamy soil, then 1 to 6 feet of very loose and soft sand, and under that compact clay and gravel; the last being the only safe foundation:—

It is evident that the neighbouring river, the "Jum Vagui" has, in the course of time, traversed the whole country about Koila Kuntla:—

A section of the ground might be illustrated thus:—



The sand at a certain depth ^{to} all through, is saturated with water at this time of the year; but I am informed that in April or May it becomes quite dry; and continues so until the beginning of the rainy season, when it fills again:— The clay and gravel substratum is impervious to water:—

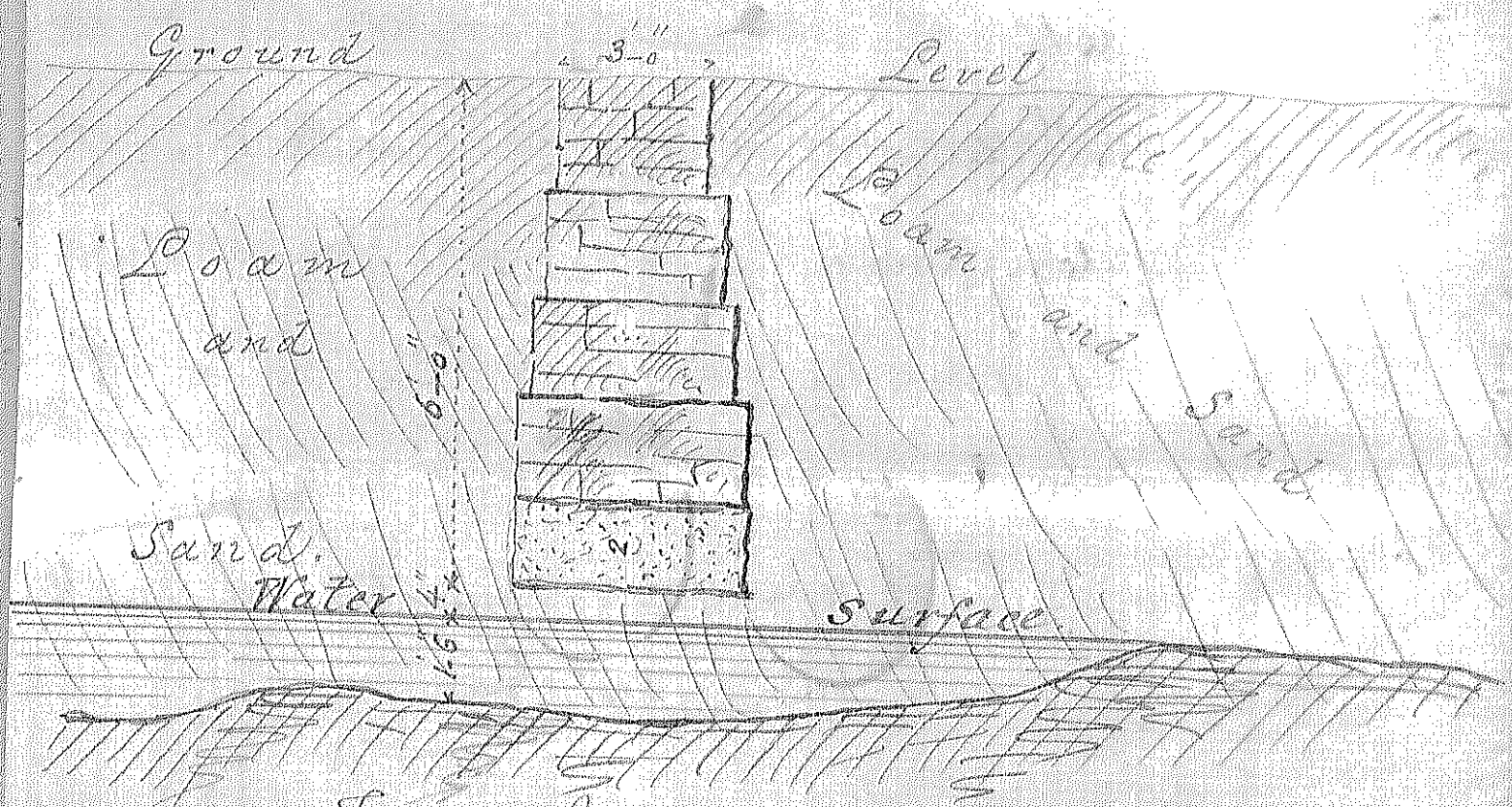
3. The present site is unquestionably the best so far as convenience to the Officials and people is concerned. It is just outside the town, and close to a large temple where people visiting the pancherry could find shelter and accommodation.

So far as the question of foundation is concerned, it is no worse than any other place within a reasonable distance; and I therefore recommend that

that it be retained: This is also
the wish of the Deputy Collector and
Tahsildar.

4. It is to be regretted that
before the work was commenced
trial pits were not dug, for the present
walls go down very near to a good
foundation:—

The case may be illustrated
by the measurements of one pit close
to the northern main wall.



From the evidence which
the pits afford, and what the
Overseer

Overseer says, the above sketch may
be taken as a fair average of the
condition of the work throughout.

At the south-east angle, the
foundation is in the hard dry
soil at a depth of 4 1/2 feet from
the surface; but all the rest is
in sand. In some places, even
when 12 or 18 inches under water, the
clay and gravel stratum is hard,
but in others the upper 18 inches are
softened, yet still impervious to water.
There can be no doubt but that the
walls gave way and cracked by
the yielding of the sand under the
concrete, when it was saturated
with water to an unusual height
by the heavy rains of this year.

5. As the first two pits dug
showed the substratum, though
under

under water, to be hard, and the
concrete and masonry work thor-
oughly sound (as they are through-
out) I intended to propose that the
walls should be underpinned; but
finding so much of the substratum
soft for half a yard or so, and
requiring to be consolidated, I re-
commend that the present walls be
taken up and the stones, which are
very good, utilized: -

If this recommendation is agreed
to, speedily, I can see the founda-
tion laid in myself: - One
reason for retaining the present
site is that there are 1400 cubic
yards of stones on the spot and
these should be removed if a
new site were selected.

6. The walls have been built
in

in accordance with the Plan dated ^{and}
November 1867; but I suppose the ^{and}
revised plan dated April 1872. ^{is}
should now be erected. Nothing ^{to}
has yet been done about the out ^{for}
buildings; but if my suggestion ^I
is approved of I can commence ^{now}
these at once as well as the main
building: -

The material here is a blue ^{red}
stone somewhat like that got at ^{so}
Luddapah. Neither bricks nor ^{is}
tiles are used in this part of the ^{after}
District, nor are there any brick
or tile makers:

Doors and windows are ready
according to the design of 1867; but
all the roof timbers are yet to be
got, and must be got at Madras
as seasoned timber cannot be had
elsewhere ^{has}

elsewhere.

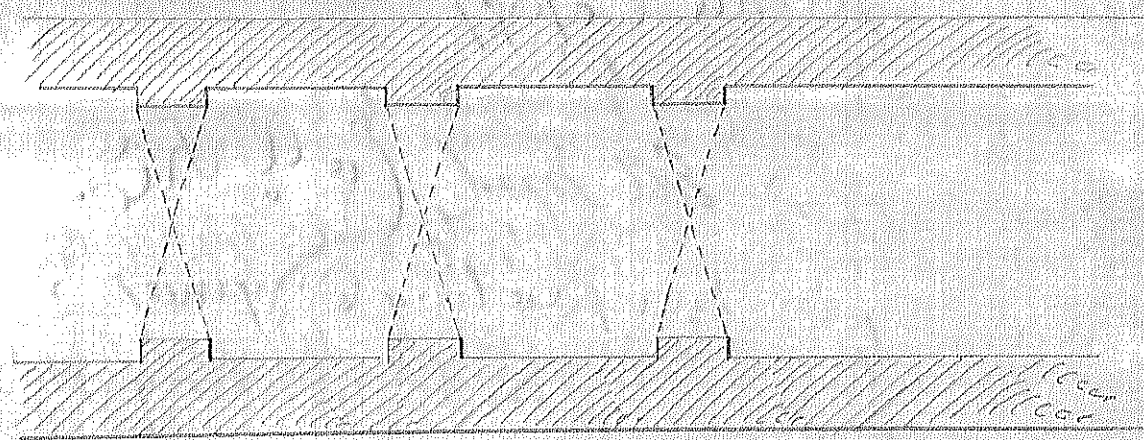
7. On the subject of modifying the standard plan & so on to suit local materials, and save timber I have written fully to Mr. Fisholm:

Stone is the only material used for walls throughout the District: There is not a good stone mason in the District; nor a carpenter except one who came from Madras four years ago and who is going back again. For even a good description of plain building and house carpentry I must import skilled labour from other Districts; so that ornamental stone and timber works are quite beyond our powers:—

I

I therefore trust that the plans will be modified to suit stone, and to exclude timber as much as possible. I much prefer flat terraced, to tiled roofs in this District for the reasons given above; but I have fully explained my views on this matter in my letter to Mr. Fisholm.

8. I found it much cheaper at Bellary to turn arches across building than to put in beams; and they would be much cheaper here, — thus:



The rafters rested upon the arches

arches and thus timber, the most
expensive item in these Districts,
was saved.

9. Pending a decision about
the roofs I could go on with the
foundations and walls and thus
utilize as far as possible the allot-
ment for the year.

I would suggest the same
course as regards the Kambam
Katcherry.

I have the honor &c &c
/signed/ W. Fraser. P.E.
District Engineer

/True Copy/

Ed. M. Coll. P.E.
Inspecting Engineer
for Buildings

1877 30th March
In 13 days
P. M. 1877

No.

OFFICE OF THE INSPECTING ENGINEER
FOR CIVIL AND MILITARY BUILDINGS,
Chepauk, January 1876.

From

THE INSPECTING ENGINEER
FOR CIVIL AND MILITARY BUILDINGS.

To

The Secretary to Government.
Public Works Department

SIR,

Enclosures.

Copy of letter.

† 8426. dated
18th Dec. 1873.

In continuation of my letter of
the 26th November, N^o 1557, I have the
honor to forward a copy of the District
Engineer's report on the foundations of
the Kailashnagar Cutcherry, written after
he had himself inspected them.

2. It will be seen that he ascribes
the failure of the work to the same
cause as that already mentioned in
my letter, viz to the foundations not
having been taken down to the firm
soil below the sand. The masonry
itself is said to be good throughout.

3. As it appears that no better
foundation will be obtained by
changing the site, and as the present
site is the most convenient in other
respects

196
respects, I have authorized the District
Engineer to at once commence rebuilding
the Catchery, on the revised standard
plan, and to himself see the first corner
of the foundation laid in firm soil
that may be relied on; also to prepare
a design for a new Catchery, based
on the standard plan, but with such
modifications as are rendered neces-
sary by the materials and labor to
be obtained at the place.

I have the honor to be

Sir

Yours Most Obedient Servant

E A Mord Colonel R.E.

Inspecting Engineer for

Civil & Military Buildings

P.O. 1874-1875
No. 1-39

188

From

The Inspecting Engineer
for Buildings,

To

The *City of New York*
1874

Encls: 1

Dated *6/3/74*
Recd. *6/3/74*

The instructions given by
the Inspecting Engineer for
Buildings to the District
Engineers of New York, relative
to the Building with a Containing,
are as follows.

Encls

Forward copy of
a Report from the
District Engineer of
the Department of
the Buildings and
Construction of
Buildings in New York
City, and the District
Engineers of New York,
relative to the Building
with a Containing.

To the D. E. for Buildings
" D. E. of New York
Recd. 8/11/74.

1/4-7/75

Received 1/4/75

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Govt. of 1874-1875

PUBLIC WORKS.

Chief Engineer
for Buildings

Land

Water

Land

1874-1875

No. 774-775

Boilgeonthe Catching

Improving of the
instructions of the
for Buildings relative
to the Catching in
the Annual Report