

(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. 157, 158, 159	H 14	Press Mis.
Dated	7-2-	18 78

Not to be folded or roughly handled

13

*Proceedings of the Madras Government, Public Works Department,
7th February 1873.*

No. 157.

Read the following letters:—

From the District Engineer, Bangalore, to the Chief Engineer, Public Works Department, dated Bangalore, 8th January 1873, No. 890.

I HAVE the honour to inform you that the concrete work, 2 feet in thickness, under the walls of the cistern in the Commissariat square will be finished by the 15th January. It will then be necessary, before continuing the concrete work under the floor, to build a brick wall all round the cistern $5\frac{1}{2}$ feet thick and 2 feet high. For this purpose about 60,000 bricks will be required, and only about one-fourth of that quantity will be available by the 15th. I would beg to suggest an alteration of the plan by which a much smaller quantity of bricks would be required for this 2 feet of wall.

2. Instead of building the wall entirely of bricks I would build longitudinal walls a brick and a half thick on each side, filling up the interior with a hearting of well rammed concrete, building cross walls 8 feet apart from centre to centre, keeping however the portions at the corners of solid brick-in-chunam for a distance of 6 feet from the angles. If this plan was adopted about 33,000 bricks only would be required for 2 feet in height, and if we complete that we could then commence the concrete work under the floor, which would take us, I think, sixteen working days to complete.

3. The completion of the wall with concrete hearting, together with the concrete work under the floor, would be effected probably by the middle of February, and by that time a further supply of bricks would no doubt be available. I should like to know whether you see any objection to this mode of construction. I have made an experiment on a small scale, and it appears to me that a wall thus built is quite as strong as one built entirely of brick; but I should be glad of your opinion and advice before taking upon myself to introduce such a plan as it differs very considerably from that sanctioned by Government.

4. I have the honour to enclose a plan showing the method proposed.

No. 158. From the Inspecting Engineer for Civil and Military Buildings, to the Secretary to Government, Public Works Department, dated Camp at Bangalore, 18th January 1873, No. 48.

I INSPECTED the cistern in the Commissariat square, Bangalore, on the 17th. Concrete has been laid 2 feet thick under the walls, and 1 foot thick under the flooring. The work appears to be very good. The District Engineer now proposes, before completing the concrete portion of the flooring, to build the foundation of the walls a foot and a half high, partly with bricks and partly with concrete, according to a plan which he has forwarded. His object is to economise bricks, which cannot easily be obtained of the quality required for the cistern. If the walls were built to the full height partly of brick and partly of concrete, there would be a likelihood of cracks and leaks from unequal settlement, but I do not see any objection to the method being adopted in the foundation, and to the extent proposed by the District Engineer.

Proceedings of the Madras Government, Public Works Department,
7th February 1873.

No. 159.

ORDER THEREON, 7th February 1873, No. 414.

MILITARY WORKS, No. 14.

UNDER the circumstances explained, and to the extent proposed, namely, $1\frac{1}{2}$ feet in height of foundations, His Excellency the Governor in Council sanctions the change of plan of construction of the cistern in the Commissariat square at Bangalore, advocated by the District Engineer and Inspecting Engineer for Buildings, with a view to economise bricks, the supply of which, of the quality requisite, is scanty.

(True Extract.)

Colonel, R. E.,

Secretary to Government.

No. 48. Office of the Inspecting Engineer
for Civil and Mil. Buildings.
Camp Bangalore 18 January 1873.

From
Colonel C. A. Ford M.B.
Inspecting Engineer for Civil
and Military Buildings.

To
Colonel G. W. Walker M.B.
Secretary to Government.
Department Public Works.

Enclosures 2
1 letter
1 plan.

Sir, I inspected the cistern in the Commissariat Square Bangalore on the 17th. Concrete has been laid 2 feet thick under the walls, and 1 foot thick under the flooring. The work appears to be very good. The District Engineer now proposes, before completing the concrete portion of the flooring, to build the foundation of the walls a foot and a half high, partly with bricks and partly with concrete according to a plan which he has forwarded. His object is to economise bricks, which cannot easily be obtained of the quality required for the Cistern. If
the

the walls were built to the full height partly of brick and partly of concrete, there would be a likelihood of cracks and leaks from unequal settlement, but I do not see any objection to the method being adopted in the foundation, and to the extent proposed by the District Engineer.

I have the honor to be
Sir
Your most obedient servant

Edmond Colvill Esq.
Inspecting Engineer for Civil
and Military Buildings

No 890 District Engineer's Office
Bangalore 8 January 1873

From The District Engineer

Per 25 Nov 72 No 402-403

P.W. 1873 Report
Re. of Lt. Col. Colvill
From No 495
The Insp. Engineer's Department
for Civil & Mil. Buildings

To The Secy. to Govt for Civil
P.W. Dept. in thick

Dated 1893
Dated 23 July 1873. Return in
Recd. 24
Enclosures 3. It will be
x 15 cm. 48 10 Plan It will

Encloses a plan & letter in
original recd from the District
Engineer at Bangalore regarding
certain alterations for floor to
completing concrete work and the
of Cistern in the Commissariat
Square & states that he has
inspected the work on the 17 January 1873. bricks

No 152

P.C. 34 Jan 173 P.D. 1-2-73
C. 24 Jan 173 A 30

No 414-7 17 Feb 73

about
1/4 of that quantity will be avail-
able by the 15. I would beg to suggest
an alteration of the plan by which
a much smaller quantity of bricks

1/28/73
District Engineer's Office
Bangalore 8 Jan 1873

From the District Engineer to the
District Engineer, Bangalore
The Chief Engineer in the
Public Works Department

I have the honor to inform you
that the concrete work 2 feet in thick-
ness under the walls of the Cistern in
the Commisariat Square will be
finished by the 15 January. It will
then be necessary before continuing
the concrete work under the floor to
build a brick wall all round the
Cistern 1 1/2 feet thick and 2 feet high
for this purpose about 1000 bricks
will be required and only about
1/2 of that quantity will be avail-
able by the 15. I would beg to suggest
an alteration of the plan by which
a much smaller quantity of bricks

N^o 414 P. M. D.

Proceedings of the Madras Court

Read the following

From the Lt. Govr. Bangalore. (H. E. D. 870 of 8 June 1775)
The above plan for
C. S. B. Building } (H. E. D. 871 of 18 June 1775)

Under the circumstances
explained, and the system
proposed, not more than a
half feet in height of
foundations. It is suggested
to the Governor and Council
concerning the change of
plan of construction of the
Building and the Commisariat
deposited at Bangalore, ad-
vised by the (District
Engineer & Inspecting
Engineer for Buildings,
with a view to economy

775

1775

[Faint, mostly illegible handwritten text, likely bleed-through from the reverse side of the page.]

Q.A.D. 11/1/70

Good as to the

1/1/70

Books, the supply of which
of the quality required is
scanty. Q.M.

1/1/70

4/2/70

4/2

S. S. Danga
S. S. Danga
S. S. Danga
S. S. Danga

Dec 30 Jan 173 P.P. 7-2-70
C. 29 Jan 173 P. 80

C. 16 195

Govt. of 11573 Madras.

PUBLIC WORKS.

The District Engineer
Bangalore

Date:

Recd.

Per:

G. O. of 11573 No. 414

No. 157-1588
159

Letter to Bangalore.
Certain change of the
plan of construction of
the Cistern in the form-
-miserant square at
Bangalore, sanctioned -