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MADRAS RECORD OFFICE

Government of Madras

Public Works

DEPARTMENT

G.O. No.	317	Press
B.P. No.		Mis.
Dated	4 - 2 -	1875 195

Not to be folded or roughly handled

No 109 Read the following letter from Colonel E A FOORD, R E, Superintending Engineer, Bellary, to Colonel G W WALKER, R E, Secretary to Government, Public Works Department, dated Bellary, 11th January 1875, No 1,648 —

WITH reference to the Order of Government of the 2nd of November 1874, No 3,118, I have the honor to state that my confidence in the sufficiency of the present estimate for the Bellary Water-supply project was based on the fact that the works have been in use for two seasons, and that the estimate provides for the reconstruction of all portions, such as the tank revetments which, though still standing, show symptoms of not having been thoroughly well built. I do not see any likelihood of the anicut and head sluice being turned, if they are periodically inspected as they should be, and any works that may be necessary carried out at once. The greatest depth of water in the chuttrum nullah is $4\frac{1}{2}$ feet. The anicut and sluice wing walls are of sufficient height.

2 The drainage area of the Alipore tank and of the supply channel between the head sluice and the tank is only $5\frac{1}{2}$ square miles, and the rainfall on this area is very scanty. The calingulah of the tank is 100 feet in length. At first it had a wall 3 feet in height above the apron, and in that state it would have been quite useless, but the wall has been removed, and the calingulah is now quite sufficient for carrying off any surplus from the drainage area. The quantity entering from the chuttrum nullah is regulated by the head sluice, without this channel the tank would probably never be filled.

3 I did not fail to notice, on my first inspection of the channel, that the fall of 8 feet a mile was excessive, but the channel had been already cut. It is my intention to have some stone dams built in the channel to regulate the slope. The Superintending Engineer, in his letter of the 8th of March 1867, No 3,324, stated that the channel would have a fall of only 2 feet a mile. It may have been his intention to place the head of the channel lower down the chuttrum nullah, but the site of the anicut is the same as that in an old survey that is in the office.

4 The expenditure on the Alipore works in the current official year has been Rupees 5,260, and no further expenditure will be incurred before April. It will not be possible to provide for any portion of this expenditure from the allotment for Repairs Military, as several works that have been called for have had to be postponed to next year for want of funds.

5. There was an unusually heavy rainfall during the latter half of October, but the Alipore works did not sustain any damage. There was a depth of 19 feet of water at the floor of the tank sluice on the 1st of November. More water might have been received into the tank, but it was not considered advisable in the present state of a portion of the revetment.

Proceedings of the Madras Government, Public Works Department,
4th February 1875.

No 110

ORDER THEREON, 4th February 1875, No. 317.

MILITARY WORKS, No 6

ORDERED to be recorded

(True Extract)

(Signed) G. W. WALKER, Colonel, R E,
Secretary to Government.

Superintending Engineer Bellary.

3
No 1648 District Engineer's Office
Bellary 11 January 1875
From
The District Engineer
Bellary
To
The Secy. to Government
P. W. Department
Sir
With reference to the order of
Government of the 2^d of November 1874
No 3118, I have the honor to state
that my confidence in the sufficiency
of the present estimate for the Bellary
Water Supply Project was based on
the fact that the works have been in
use for two seasons, and that the Es-
timate provides for the reconstruction
of all portions, such as the tanks, rock-
vents which, though still standing,
show symptoms of not having been
thoroughly

thoroughly well built. I do not see any likelihood of the Annual wind head being turned, if they are periodically inspected as they should be, and any works that may be necessary carried out at once. The greatest depth of water in the Chuttrun sub-lab is $4\frac{1}{2}$ feet. The Annual wind head walls are of sufficient height.

2. The drainage area of the Apron tank and of the Supply Channel between the head sluice and the tank is only $5\frac{1}{4}$ Square Miles, and the rain fall in this area is very scanty. The Calingulab of the tank is 100 feet in length. At first, it had a wall 3 feet in height above the Apron and, in that state, it

it would have been quite useless, but as the wall has been removed and the Calingulab is now quite sufficient for carrying off any surplus from the drainage area. The quantity entering from the Chuttrun sub-lab is regulated by the head sluice. Without this channel the tank would probably never be filled.

3 I did not fail to notice, on my first inspection of the Channel, that the fall of 8 feet in Miles was excessive, but the Channel had been already cut. It is my intention to have some Stone dams built in the Channel, to regulate the slope. The Superintending Engineer, in his letter of the 8th of March 1864 No. 3324, states

stated that the Channel would have
a fall of only 2 feet a Mile. It
may have been his intention to place
the head of the Channel lower down
the Chutrum Mulla, but the site
of the Aricut is the same as that
in an old Survey that is in the office
4. The dispenditure on the Mepore
works in the current financial year
has been Rs 5260, and no further
dispenditure will be incurred before
April. It will not be possible to
provide for any portion of this dispen-
diture from the allotment for Repairs
Military, as several works that have
been called for have had to be
postponed to next year, for want
of funds.

There

There was an unusually heavy rain
fall during the latter half of October,
but the Mepore works did not sus-
tain any damage. There was a depth
of nineteen feet of water at the floor
of the tank since on the 1st of
November. More water might have
been received into the tank but it
was not considered advisable in the
present state of a portion of the re-
-vetment.

I have the honor to be
Sir
Your most obedt Servt.
E A M. Col. R. E.
District Engineer

P. W. 1875 D. H.
Copy of 1000 for study
1874. 75
From No: 246

The R. H. Rogers
Henry
To the day of the
P. W. 1875

1875

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PUBLIC WORKS.

The Suppl. Supr.

Bellary

4 Feb. 1875, Vol. 3/7

Nos. 109-110.

Bellary Water supply

Project Letter from
the S. D. S. Bellary.

Working on the sufficiency
of the present estimate
for the Project, received.