

BACK PAPERS.

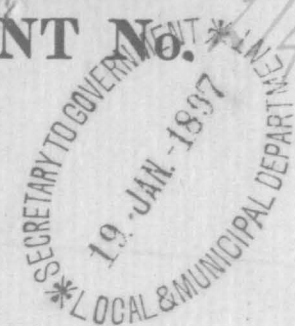
G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

Local & Munl. (189) Department.

CURRENT No. 14



1897
CNO. 2683 NO. 964 214 1/97

From

The Secretary,
Sanitary Board
No. 518.

Order. No. 325 muni. 27-2-27/97

The resolution of the
Sanitary Board read above will
be Communicated to the municipal
Council of Bez wade, with the request
that a sum of Rs 1000, may be placed
at the disposal of the Sanitary Engineer
for the preparation of the new Scheme
therein referred to.

Dated 18th January 1897.

Received
Registered
Enclosures with papers in original and file & 1 book of plans.
Spare copies

SUBJECT.

Bez wada Water Supply Scheme

Informing that the site below
the ancient for the dead works of the
— should be abandoned for
reasons stated and the proposed
site above the ancient be used
for the purpose —

To the Chairman of Bez wada.
thru the Collector
Sanitary Board
Sanitary Engineer
3/2
Supd 4/3/97

G.O.	No.	Department.	Date.
Env	2709	h ^h 76	10-8-76
Env	1271	h ^h 96	14-1-93
fo	1326	h ^h 96	13-12-92
fo	39	h ^h 96	18-11-92
fo	2048	h ^h 96	17-7-91
fo	1917	h ^h 96	
fo	1126	h ^h 96	

G.O.	No.	Department.	Date.

LOCAL & MUNICIPAL DEPT.
SANITARY BOARD OFFICE. 211

PROCEEDINGS OF THE SANITARY BOARD, No. 518, DATED

READ the following:—

Endorsement in the Local and Municipal Department
N^o 1271, dated 5^e November 1896.

Letter from the Sanitary Engineer No 3504, dated 18th
December 1896.

Resolution.

The correspondence quoted above re-
lates to the Bezwada Water Supply Scheme, the
plans and estimates for which, were considered in
great detail by the former Sanitary Board and
laid before Government by the Sanitary Engineer
with his letter of the 12th June 1896, No. 1849.

2. Before passing final orders, the Government referred the proposal to the Municipal Council, Bezwada who have resubmitted them with two notes, one by the Executive Engineer, Public Works Department, and the other by the Superintending Engineer, in which it is brought to notice that on the site below the area selected for the head works there was formerly burial and burning ground. This circumstance

Hay G.

Q. C. of No. 1326 m., dated
10th August 1896.

⁹Endorsement No 1354,
dated 30 September 1896.

Flag 4

Flag 2.

had not previously been reported. It is, however, a fatal objection. The site must accordingly, in the opinion of the Sanitary Board, be abandoned, and the proposed site above the anicut selected, though it will, as pointed out by the Sanitary Engineer, present many difficulties.

3. If a new Scheme has to be prepared, an additional sum of Rs 1000 will be required by the Sanitary Engineer for additional surveys and the Municipal Council might be asked to allot the amount.

(True Extract)

L. Barlow
Secretary, Sanitary Board.

To The Secretary to Government,
Local and Municipal Department.
(with papers in original and file and book of plans).

S. E. 1,000-22-7-96.
6.

No. 3504

GOVERNMENT OF MADRAS.

OFFICE OF SANITARY ENGINEER,
Fort St. George, 18 Dec 1896.

From

J. A. JONES, Esq. MEM. INST. C.E., F.R.S.E.,

SANITARY ENGINEER TO GOVERNMENT,

To

The Secretary, Sanitary Board,

Madras.

SIR,

In reply to Sanitary Board reference No. 296S

dated 3rd. December 1896, I have the honor to state that I see no use in discussing the question further, if there was a burial and burning ground there, the site is undesirable though I doubt if water drawn from the bottom of the proposed wells would be affected. It is a curious fact however that the Council who knew the proposed site for the wells never pointed out that such was the case, and had the Sanitary Commissioner based his arguments on these grounds, the site would have been abandoned. Apart from this point however if there is a possibility of the Bridge embankment being removed the site should be changed.

2. I presume new plans will now have to be prepared. I do not agree in all Major Baddeley's and Mr. Keeling's views in regard to the facilities for constructing works at the proposed site above the anicut - there are many difficulties

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244 2nd 9/1

quite unforeseen by either of these officers.

3. If a new scheme has to be prepared the Municipal Council should be asked to provide Rs 1,000 for additional surveys.

I have the honor to be,

Sir,

Your most obedient servt.

Sanitary Engineer to Govt.

Acc. 1 File
W.M.

[L. & M.]
500-18-5-06.

Local & Munl. (1896) Department.

Sanitary Current No 216
Recd: 6-11-96.

CURRENT No. 2683 M

TO BE RETURNED
WITH REPLY.

Order No. 1271

Referred to the
Sanitary Board for remarks.

Secretary to Government.

From
The Chairman, Municipal Council,
Bezwada

Fort St. George -
5th November 1896.

No. 1354

Dated 30-9-96

Received 3-10-96

Registered 3-10-96

Enclosures 2 & C.M. 1683 M with encls 1, 2 & 3
retd

Spare copies

SUBJECT.

Submitting resolution of the
Municipal Council regarding
Bezwada water supply.

To the Sanitary Board.
(with plans submitted &c)

9/10

2/18/10/96

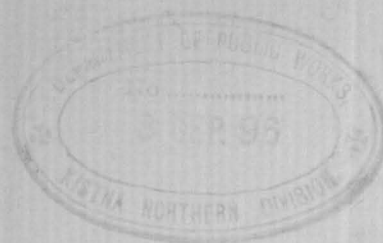
BACK PAPERS.

G.O.	No.	Department.	Date.
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FURTHER PAPERS.

G.O.	No.	Department.	Date.

Note on the position of the head works
in the water supply scheme for Bagdad



The second available source of
supply appears to have been too
hastily rejected.

The bed of the river above the
ancient is sand, and it is not under-
stood why, if the supply of water
be obtained by pumping from wells
sunk in the sand, it should be
necessary to provide settling and
filter tanks, when these are declared
to be unnecessary in the case of the
water supply obtained under si-
milar conditions, from the bed of
the river below the ancient.

There is no serious difficulty in
arranging for the head works above
the ancient, the foundations would be
put on the steep rocky bank of the
river would insure the head works
against danger in flood.

The third, or selected source, from
the river bed below the ancient, is
open

open to the following objections

- (a) The ground in which it is proposed to sink the wells, is the old burning and burial ground of the town, only abandoned when the bridge was built.
- (b) The risk of the water supply being contaminated by subsoil drainage from the town. The site plan put up with the scheme is misleading, as water only lies against the bank when the river is high; when the river is low there is no reason why the subsoil water of the town should not be pumped into the wells. In my opinion this would be very likely to occur.
- (c) The piece of ground in which it is proposed to sink the wells has not yet been filled up to its full depth, this will throw out the calculations about the depth of the wells necessary to secure good filtration.

(d)

(d) It will be impossible to obtain good foundations for the head works on the bank between the pier and the canal, and it is also most undesirable to any way weaken this bank. It will be difficult to carry on any work in the soft silt which now lies several feet deep on the site selected for the wells.

(e) In the event of the bridge being lengthened, the wells must either be removed behind the new bank, or else they must be left in the bed of the river unprotected from scour.

In short it may be said that the only object in choosing the site selected for the wells, is the protection afforded by the railway bank, and in all probability this protection will be removed.

I am strongly in favour of the head works of the scheme being moved to a place above the ancient, the works will be safe & the supply will

will be purer & more reliable,
as the ancient acts as a dam
to hold up the subsoil water
passing down the sandy bed
of the river during the dry
season. Moreover the natural
dry weather channel of the river
is along the Northern bank above
the ancient and along the centre
of the river below the ancient.

W. B. Addington

Major R.E.

Superintending Engineer.

II Circle.

25 Aug 1896

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To the Ex. Engr.

K. N. S. N.

With the plans &c
of the Begowah
Water supply scheme.

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2683 10/10/96

Note on the Begowah waterworks.

1. Of the three sites the third is selected for three
reasons namely.

a. That there is less silt in the river water be-
low the ancient than above and that this reduc-
tion in the quantity of silt carried is so great
as to do away with the necessity for settling
reservoirs

b. That the railway training bank will pro-
tect the wells and pipes during flood time

c. That there is no suitable site for the head works
above the ancient

2. With reference to the first statement there is no-
thing to prove it. There is certainly ~~and~~ not such
a striking difference in the quantity of silt
carried as would remove the necessity for settling
reservoirs. As regards the second argument steps are
being taken that will, it is hoped, eventually re-
sult in the bridge being lengthened and the bund
removed. The explanation of this I may say that
it is thought the training bund endangers the
ancient and head works of the deltaic irrigation
system. As regards the third reason I would point

out the site beyond the D. & W. demarcation stone
and north of the hydraulic road

3. The site selected is open to objection on the follow-
ing grounds also.

a. The wells are in close proximity to the old
burial and burning ground.

b. The area enclosed by the bund will eventually
silt up completely thus throwing out the calcula-
tion about the depth of ^{the} wells

c. In the hot weather the site of the wells is dis-
tant about half a mile from the deep river
bed but quite close to the subsoil water from
the tower in the canal beds.

d. The foundations of the engine house will be
on made soil and if the training bund is removed.

will have to be protected by a heavy river wall.

4. In my opinion the best site is above the ancient
on the left bank near the spot mentioned in Para 2.

This site is briefly dismissed in the Scheme as un-
suitable because settling reservoirs would be

necessary and because of the difficulty about build-
ing the engine house etc. I maintain that if

settling reservoirs are not necessary below the
ancient they are not necessary above and that

there

there is no overwhelming difficulty about
head works certainly nothing like as much
as there would be below if the training bund
were removed. Moreover it is free from the
objections mentioned in para three and the
wells would be close to the deep bed of the
river during the dry weather.

5. There are several comments that might
be made on the details of the Scheme but
on these I will not touch having taken
objection on a cardinal point

(sd) H. F. Steelling

Executive Engineer

DN
13.9.96

(True copy)

A. J. Keeling

Executive Engineer

North Division District

AB
15/9

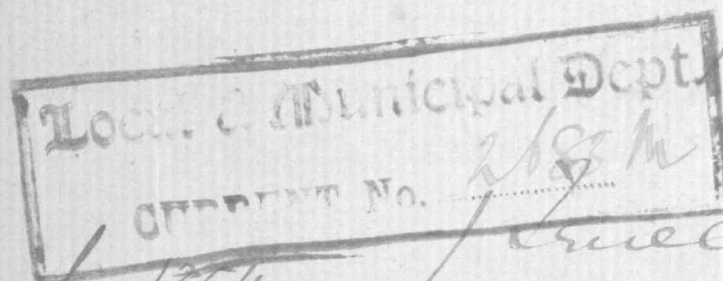
Proceedings of the Municipal Council, Bezvada.

DATED the 30 - 9 - 1896.

PRESENT.

Read No. 1326 in lines
and 10-8-96 forwarding
estimates for
supply project
amounting to Rs 2,87,260
for auction together
with 2 notes on the
subject one from the
Superintending Engineer
II Circle and the other
from the Executive Engineer
North Western Division

The estimates and
plans will be
submitted to the
Government with
reference to the
remarks of the
Executive Engineer
and Superin-
tending Engineer
of the Council
prefer the site
above the Ancient



Submitted to the Chief Secretary
Government L & C Department with reference to
No. 1326 m. dated the 10th August 1896

S. Lingappa
Chairman, M.C.

When given for copying
When copied 6m3 2-3-93 } 189
When examined
When signed 9/3

READ AGAIN G.O., No. DATED
189

CURRENT No.

ENCLOSURES TO C. No.

ORDER OF GOVERNMENT A A A A A A A

LETTER OF GOVERNMENT

STATEMENT WITH DITTO

PAPERS NOT FILED UP, BEING MEANT FOR DESPATCH
IN ORIGINAL.

N.B.—
A = Copy in full.
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P = Copy abstract only.
Q = Copy heading only

I
date
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3 OCT. 96