

Public Works (1897) Department.

G.O., No. 501 W

DATED 20 February 1897

27/2/97

[Despatch Abstract.]

Artesian Well at Salem. Pro: Revenue
Dept. transferring letter from the Sup^t, Geological
Survey of India giving his opinion re-
garding an —, Com^{rs} to the S^t. W. for
guidance and the present well ordered to
be deepened as suggested, with as little
delay as possible.

110/8

T.C.
20/2/97

20/2/97

Proceedings, Revenue Department, transferring letter from the Superintendent, Geological Survey of India, giving his opinion regarding an —, communicated to the Superintending Engineer, IV Circle, for guidance, and the present well ordered to be deepened as suggested with as little delay as possible.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads,
Civil Works.

Read—the following paper :—

G.O., Mis. No. 242, Revenue, dated 16th January 1897.

Read—the following letter from C. S. MIDDLEMISS, Esq., B.A., Superintendent, Geological Survey of India, camp near Kallavi (Salem district), to the Secretary to the Government of Madras, Revenue Department, dated 12th January 1897, No. 83/F.S. :—

In continuation of my note, No. 70/F.S., dated 5th January 1897, I have the honour to say that a visit I have just made to Salem entirely confirms the conclusions stated in that note.

I was enabled to see the well in the company of Mr. O'Connell, and I came to the conclusion that the water which appears in the well is simply derived from the upper layers of rock, which, on account of their half-decomposed state and the presence in them of fissures and cavities, are enabled to hold the water which soaks into them from the hills to the south. The rock of these hills is jointed in directions which are generally roughly parallel to the free surfaces of the slopes; and nearly all these bare joint surfaces show trickles of water which are on their way down to the saturated upper layers of rock in which the well is sunk.

Although I think it unlikely that a greater yield of water would be obtained at lower levels than 30 feet, I am of opinion that the present well should be continued down, say another 30 feet, with the object of deciding whether—and at what depth—the yield of water becomes less or not. When this is decided, the engineer may take advantage of the level yielding the most water to tap the same at a number of free surfaces—or by one long tunnel—and so obtain the requisite amount for supplying Salem town.

I am quite certain that all prospect of obtaining water from an artesian source among these gneissic rocks is out of the question.

Order—Mis. No. 242, Revenue, dated 16th January 1897.

Transferred to the Public Works Department in continuation of endorsement No. 111, dated 8th January 1897.

(True Extract.)

(Signed) LIONEL DAVIDSON,
Under Secretary to Government.

ORDER—No. 501 W., dated 20th February 1897.

Communicated to the Superintending Engineer, IV Circle, for information and guidance, with reference to G.O., No. 147 W., dated 19th January 1897.

2. The present well should be deepened as suggested with as little delay as possible. An early report will be looked for.

(True Extract.)

Under Secretary to Government.

To the Superintending Engineer, IV Circle.

" Revenue Department.
" Local and Municipal Department.
" Secretary, Sanitary Board.

Ed. J. Henrious.

Public Works (1897) Department.

CURRENT No. 666

38

13th Dec 1897

No. 501 H of 20 July 1897

HS. With an order to deepen the well as required From The Revenue Department

A. sent, with as little delay as possible. An early report will be looked for.

Order

17.2.97

Communicated to
the Supt. Genl. IV Circle
for information and
guidance, with reference
to G.O. No. 147 W. dated
19 January 1897.

No. 242. Mis.

Dated 16th January 1897.

Received 20.1.97

Registered 20.1.97

Enclosures one

Spare copies

Cy

15/2/97

2. The present well should be deepened as suggested, with as little delay as possible. An early report will be looked for.

S. S. IV Circle

Rev. Secy

20.1.97

2/3/97

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2/3/97

2/3/97

SUBJECT.

Transferring to the Public Works Department in continuation of Endorsement No. 111 dated 2nd January 1897 letter from the Supt. Geological Survey of India submitting his opinion regarding an Artesian Well at Se

H.E. 15/2/97. R. 18/2/97.

BACK PAPERS.

No.	Date.
S.O. 147 W of 19-1-97.	

FURTHER PAPERS.

No.	Date.

No. $\frac{83}{4}$ S

FROM

C. S. Middelmiss Esq B.A.

Superintendent, Geological Survey of India,

Camp near Kallar (Salem Dist)

TO

The Secretary to the Govt. of Madras.
Revenue Dept.

Madras

Dated 12th January 1897.

SIR,

In continuation of my note no $\frac{70}{45}$

Dated 5th January 1897, I have the honour to say that a visit I have just made to Salem entirely confirms the conclusions stated in that note.

I was enabled to see the well in the company of Mr. O'Connell, and I came to the conclusion that the water which appears in the well is simply derived from the upper layers of rock, which, on account of their half-decomposed state, and the presence in them of fissures and cavities, are enabled to hold the water which soaks ^{into} them from the hills to the South. The rock of these hills is jointed in directions which are generally roughly parallel to the free surfaces of the slopes; and nearly all these bare joint-surfaces show trickles of water, which are on their way down to the

Salem Dist.

S.O. 147 W
(9-1-97)

Gobt. of {189 } Madras.

REVENUE.

To

Dated

Recd.

Encl.

Mis. G.O., 189 , No.

SUBJECT.