

Local & Munl. (1897.) ^{INDEXED MS} Department. nt.

MISCELLANEOUS.

G.O., No. 536 M.

DATED 15th 3-97-

DECEASED

[Despatch Abstract.]

Artesian well at Salem

Recording G.O. P. S. D. Comd^g to the Supt^g Engr. IV Circle, et
for guidance, Proceedings Revenue Dep^t, transferring letter
from the Supt^g Geological Survey of India, giving his opinion
regarding an — and ordering the present well to be deepened
as suggested with as little delay as possible.

BACK PAPERS.

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

FURTHER PAPERS.

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

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BUILDINGS AND ROADS.
CIVIL WORKS.

Government (1897) of Madras.
PUBLIC WORKS.

ent.

Recd.

Regd.

1897.

Enclosures

Spare copies

G.O., No. 501 W., 20th February 1897.



FEBRUARY.

Artesian well at Salem

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.

Misc

order. No. 536 Misc. 15-3-97

Recorded.

10/2 17/3/97

10/3 11/3

Copy to the Chairman, M.C. Salem.

1/2 11/3/97

18/7/97

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.)

C. Davidson
Under Secretary to Government.

To the Superintending Engineer, IV Circle.

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

Ed. J. Henriens.

When given for copying
When copied 12-16/3 } 1897
When examined
When signed 16/3

READ AGAIN G.O., No. 189 DATED

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.

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