

- (1) பக்கங்களின் எண்ணிக்கை 26
 (2) புதுக்கித் திருப்பிய நாள் 2-7-90
 (3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம் 69/2

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

P. W. D. துறை

(28)

அரசாணை எண். மு. கோப்புத் தாள் எண்.	773	அச்சகம் பலவகை
நாள் :	17-3-1891	198

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

13 Sheets

21. 21. 21.

773
1
17TH MARCH 1891, No. 773 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—again the following paper:—

G.O., dated 4th December 1890, No. 3211 W., Public Works.

Read—the following paper:—

G.O., dated 19th November 1890, Mis. No. 1735 M., Local and Municipal.

Read—the following letter from the Superintendent, Geological Survey of India, dated 21st October 1890, No. 1530:—

I have the honor to acknowledge receipt of G.O., Mis. No. 1418 M., dated 24th September 1890 (inquiring as to the possible existence of water-bearing rocks near the town of Ongole), which having been addressed to me to Calcutta and redirected to Yercaud and again to Bangalore, only reached me at the latter place on the 15th instant.

2. Having referred to my maps and notes of that neighbourhood, I beg to inform you that water-bearing strata of moderate extent may quite well exist all round the town and at no great distance from it as will be seen in the map accompanying my memoir on "the Geology of the Eastern Coast," &c. (Vol. XVI, Memoirs of the Geological Survey of India). Ongole stands at the eastern extremity of a low plateau capped with lateritic gravel which pits out into the great plain of the coast alluvium under which the lateritic gravels dip and are lost to sight. At the western end (or base) of the promontory is exposed a tract formed of soft, shaley sandstones (of upper Gondwana age) which are overlaid eastward by the lateritic gravels and are in all probability continuous under them till within a short distance of the Ongole hill (a triple ridge of gneiss with associated magnetic iron beds) round which they must lap and then extend to an unknown distance under the alluvial plain.

3. The inference that the sandstones do so extend under the alluvium is a legitimate one based on the general behaviour of these rocks along the coast both north and south of Ongole. There is of course a bare possibility of their having been removed from this part of the coast by denudation prior to the deposition of the alluvium, but this I think is less probable than that they yet remain. The facts can only be tested by boring or sinking deep wells through the alluvial plain.

4. From the nature of these sandstones and their intercalated shales, they may well contain water in quantity large enough to yield a very important water-supply.

5. There is sufficient analogy in the geological position of Ongole to that of Pondicherry to suggest the advisability of searching for such water-bearing strata around the former place.

6. What exact spot to fix upon for such trial sinkings is quite problematic owing to the great development of cotton soil over the surrounding flat country by which all the older formations are more or less hidden. If no light on the nature of the sub-soil is obtainable from wells which may have been sunk since my examination in 1875-76, I should select the spot most favorable for distributary purposes in case of success in meeting with water. Such spot would probably lie some distance to the west or north-west of the town, say, from one to one and-a-half miles off.

Order—dated 19th November 1890, Mis. No. 1735 M., Local and Municipal.

The foregoing letter will be communicated to the Collector of Nellore, to the Municipal Council, Ongole, and to the Sanitary Engineer in continuation of G.O., dated 24th September 1890, No. 1418.

2. The Government will be prepared to consider an application to bore an experimental artesian well at Ongole on the conditions accepted in the case of Tuticorin and recorded in G.O., dated 26th April 1889, No. 463 M., if the Municipal Council agrees thereto.

3. The Public Works Department will be requested to report whether the plant which in G.O., dated 26th November 1889, No. 3350 W., Public Works, was ordered to be forwarded to Tuticorin could be made available for the boring at Ongole.

(True Extract.)

(Signed) A. G. CARDEW,
Under-Secretary.

Order—dated 4th December 1890, No. 3211 W., Public Works.

The plant recently in use at Tuticorin can be made available for transfer to Ongole.

2. The Superintending Engineer, VI Circle, will submit a list of the plant with remarks as to the condition of the component parts.

(True Extract.)

(Signed) W. L. C. BADDELEY, Major, R.E.,
Under-Secy. to Govt., P.W.D.

READ—also the following papers:—

From C. W. WOOD, Esq., Executive Engineer, Tinnevely Division, to the Superintending Engineer, VI Circle, dated 21st December 1890, No. 2910.

With reference to your No. 844 T.N., dated the 8th instant, on copy of G.O., No. 3211 W., dated the 4th idem, I have the honor to forward the list with present condition of tools, &c., connected with the artesian well boring at Tuticorin.

2. Mr. Declosets has left Tuticorin without drawing the tubes. The Sub-division officer has been asked to withdraw the tubes if possible.

No. 926 T.N.

Copy, together with copy of list, submitted to the Chief Engineer, Public Works Department, with reference to para. 2 of G.O., No. 3211 W., dated 4th December 1890.

6th January 1891.

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Superintending Engineer, VI Circle.

From M.R.Ry. V. ANANDA RAO PUNTULU, Garu, Row Sahib, Chairman, Municipal Council, Ongole, to the Chief Secretary to Government (through the Sub-Collector, Nellore district), dated 10th February 1891, No. 636.

With reference to para. 2 of G.O., Mis. No. 1735 M., dated 19th November 1890, I have the honor to forward herewith copy of Council's resolution No. 292, dated 7th February 1891, and to request that this may be taken as an application to Government to bore an experimental artesian well at Ongole on the conditions accepted in the case of Tuticorin and recorded in G.O., No. 463 M., dated 26th April 1889.

ENCLOSURE.

Extract from the Proceedings of the Municipal Council, Ongole, passed at a meeting held on 7th February 1891 at 8 A.M. in the Municipal office.

292. Read Proceedings of the Madras Government, Mis. No. 1735 M., dated 19th November 1890, on letter No. 1530, dated 21st October 1890, from the Superintendent, Geological Survey of India, stating that the Government will be prepared to consider an application to bore an experimental artesian well at Ongole on conditions accepted in case of Tuticorin and recorded in G.O., No. 463 M., dated 26th April, 1889, and also Proceedings of the Madras Government, No. 3211 W., dated 4th December 1890, on the subject.

The Council resolved to accept the proposal made by Government in Government Order under reply with thanks and to bore an experimental artesian well in Ongole on the conditions accepted in the case of Tuticorin and recorded in G.O., No. 463 M., dated 26th April 1889.

(True Copy and Extract.)

ONGOLE,
7th February 1891.

(Signed) V. ANANDA RAO,
Chairman.

Endorsement by C. H. MOUNSEY, Esq., Sub-Collector, Nellore, dated 13th February 1891.

Forwarded with the remark that the last "and" in the resolution seems to have crept in by mistake. I and I think the other Commissioners understood the offer to be that Government would undertake the boring, not the Municipality.

Endorsement by the Collector of Nellore, dated 20th February 1891, No. 349-Eng. Submitted to the Chief Secretary to Government, Local and Municipal Department.

No. 146.

Transferred to the Public Works Department.

FORT ST. GEORGE,
11th March 1891.

(Signed) N. S. BRODIE,
Ag. Assistant Secretary.

ORDER—dated 17th March 1891, No. 773 W., Public Works.

Communicated to the Superintending Engineer, II Circle, who will submit, as early as practicable, an estimate for boring an experimental artesian well at Ongole. The question of allotting funds for the work will be considered on receipt of the estimate.

2. The list of boring plant available at Tuticorin will be forwarded to the Superintending Engineer, II Circle, who will arrange with the Superintending Engineer, VI Circle, for the transfer of the articles to Ongole.

(True Extract.)

Major, R.E.,
Under-Secy. to Govt., P.W.D.

To the Superintending Engineer, II Circle, with list of tools and plant.

" Superintending Engineer, VI Circle.
" Chief Engineer for Irrigation.
" Examiner, Public Works Accounts.
" Local and Municipal Department.
" Revenue Department.

Exd. C. A. Munisawmy.
Spare Copies

GENERAL
ACCOUNT.

Govt. of {1891} Madras.
PUBLIC WORKS.

Dated March, 17th.

Recd.

Encl.

G.O., 17th Mar. 1891, No. 773 W.

MARCH.

Artesian well at Ongole

The Superintending Engineer, II Circle,
directed to submit an estimate for boring
an experimental — and to arrange with
the Superintending Engineer, VI Circle,
for the transfer to Ongole of the boring
plant at Tuticorin.

[26]

Local and Municipal Department.

Read again & B. date 14 Dec 1891 No 3211,



27/3

100

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following paper:—

From the Superintendent, Geological Survey of
India, dated 21st October 1890 No 1530.

I have the honor to acknowledge receipt of
*Not Commanded G.O. No 1418 M. Misc dated 24th September 1890
(Enquiring as to the possible existence of water
bearing rocks near the town of Ongole)
which having been addressed to me to Calcutta
and redirected to Yercaud, and again to
Bangalore, only reached me at the latter
place on the 15th instant.

Having referred to my maps and notes
of that neighbourhood, I beg to inform you
that waterbearing strata of moderate extent
may quite well exist all round the town
and at no great distance from it as will
be seen in the map accompanying my
Memoir on "The Geology of the Eastern Coast" &c

(Vol

Vol XVI Memoirs of the Geological Survey of
India) Ongole stands at the Eastern extremity
of a low plateau capped with lateritic
gravel which fits out into the great plain
of the Coast alluvium under which the
lateritic gravels dip and are lost to sight.
at the western end (or base) of the promontory
is exposed a tract formed of soft shaley
sandstones (of upper Gondwana age)
which are overlaid eastward by the lateritic
gravels and are in all probability continuous
under them till within a short distance of
the Ongole hill (a triple ridge of Gneiss
with associated magnetic iron beds) round which
they must lap on and then extend to an
unknown distance under the alluvial plain.

The inference that the sandstones
to extend under the alluvium is a
legitimate one based on the general behaviour
of these rocks along the Coast both north
and South of Ongole. There is of course
a bare possibility of their having been
removed from this part of the Coast

by

by denudation prior to the ^{2P} deposition
of the alluvium, but this I think is
less probable than that they yet remain.
The fact can only be tested by borings
~~or~~ sinking deep wells through the
alluvial plain. $17\frac{3}{4}$

From the nature of these sandstones
and their intercalated shales they may
well contain water in quantity large
enough to yield a very important water
supply.

There is sufficient analogy in the
geological position of Ongole to that of
Pondicherry to suggest the advisability
of searching for such water bearing strata
around the former place.

What exact spot to fix upon for
such trial sinkings is quite problematic
owing to the great development of Cotton
Soil over the surrounding flat Country
by which all the older formations are more
or less hidden. If no light on the nature of
the sub soil is obtainable from wells which
may

may have been sunk since my examination in 1875-76, I should select the spot most favourable for distributory purposes in case of success in meeting with water. Such spot would probably lie some distance to the west or north west of the town some from one to one and a half miles off.

Order dated 19th November 1890 No 1735 M. His

The foregoing letter will be communicated to the Collector of Vellore, to the Municipal Council, Ongole, and to the Sanitary Engineer in continuation of G. O. 24th September 1890 No 1418.

2- The Government will be prepared to consider an application to bore an experimental Artesian well at Ongole on the conditions accepted in the case of Tuticorin and recorded in G. O. 26th April 1889 No 463 M if the Municipal Council agrees thereto.

3- The Public Works Department will be requested to report whether the plant which

which in G. O. 26th November 1889 No 3350 G. Public Works was ordered to be forwarded to Tuticorin, could be made available for the boring at Ongole.

(True Extract) 38

S. G. Cardew

27/11

Under Secretary

To

The Collector of Vellore
Chairman Municipal Council, Ongole

with copy of G. O. 463 M 26-4-89 through the
Collector of Vellore.

" Sanitary Engineer

" Public Works Department

W. H.

Gobt. of (188) Madras.

To

223
b

Proceedings, dated
No.

188 ,

Subject.

11273
Govt. of Madras.

Local and Municipal Department.

To

The P. W. Department

Proceedings, dated 19th November 1890.
No. 1785 (P.W.)

Subject.

Requesting Public Works Department to report whether the plant ordered to be forwarded to Tuticorin could be made available for the artesian well boring at Ongole - Hellose.

10 Mr Secy Dept
" S. S. VI Circle
" S. S. II Circle
" Information

48
The plant recently in use at Tuticorin can be made available for transfer to Ongole -

2. The Super Supt. II Circle will submit a list of the plant with remarks as to the condition of the component parts

WCB
2.12.90

I am

58 17/9
Recd from C. W. Wood Esq. Executive Engineer, Finance. Nelly S., to the Supt. Engineer II circle, No 2910 Dated 21 December 1890.

T.N.
with reference to your No 844 dated the 8th Instant, on copy of S.O. No 3211 N dated the 4th Idem, I have the honor to forward the list with present condition of tools connected with the Artesian well Boring at Tuticorin -

Mr. Sechoets has left Tuticorin without drawing the tubes. The sub. Division officer has been asked to withdraw the tubes if possible -

No 926 T.N. d/15 January 1890.
Copy together with copy of list, submitted to the Chief Engineer P.W.D. with reference to para 2 of S.O No 3211 N dated 4th December 1890 -

Admitted L. Col 1895
Supt. Engineer II circle.

PW C No. 216

(47)

From
The Supt^r Engineer
M. C. C.

To
The Chief Engineer
P. W. D.

No 9267N

Dated 6th
Decr. 7th 3 January/91.

Encl.

Artesian well boring at
Faticorin: —

Submits a list of
the plans for — with pre-
sent condition of the com-
ponent parts.

No 636

Municipal Council's
Office, Oyo 10th February/91.
550M

From
Mr C. V. Ananda Row Chintamani
Row Satib, Chairman,
Municipal Council
Oyo.

To
The Chief Secretary Govt
Lok 5th floor
Kadav

Through The Sub Collector,
Kadav district.

Sir

With reference to para
2 of G. O. No 1735 in Miscellaneous
dated 19th November 1890, I
have the honor to forward herewith
Copy of Council's resolution in
No 292 and to request that
7-2-91 this may be taken as an appli-
cation to Government to bore

an experimental artesian well
at Ongole on the conditions accepted
in the case of Laticorn and recorded
in G.O. No 463M
26-4-89.

Thence per
(Signed) V. Ananda Rao
Chairman

(True Copy)

No 349 dated 20th February 1891.

Submitted to the Chief Secretary
of Government L. M. Department.
Nellur
Collector's Office.

Municipal Council
of
Molur
for Molur.

To The Chief Secy: to Govt.
L. M. Department
Madras
with the resolution in reply.

Copy
23-2-91
Compld by
24-2-91

Extract from the Proceedings of the
Municipal Council, Ongole, passed at
a meeting held on 7th February 1891 at 8.30
in the Municipal Office.

292. Read of Proceedings of the Madras
Government No 1735 M. Miscellaneous dated
19th November 1890 on letter No 1530 from
21-10-90

the Superintendent of Geology of
India, stating that the Government
will be prepared to consider an
application to bore an experimental
artesian well at Ongole on conditions
accepted in case of Laticorn and recorded
in G.O. No 463M dated 30th April 1889

and of the Proceedings of the Madras
Government No 3211W on the subject.
4-12-90

The Council resolved to accept

the proposal made by Government
in G. Order reply with thanks
and to bore an experimental part
well in Angole on the conditions
accepted in the case of S. L. L. L. L. L.
referred in G. Order 463 M
26-4-89

(True copy and Extract)

Municipal Council
Office Angole 7th February 1891
Chairman.

Municipal Council
Office Angole 17th February 1891
Chairman.

forwarded with the remark that
the last "and" in the resolution seems
to have crept in by mistake. I think
the other Commissioners understood the effect
to be that Government would undertake
the boring, not the Municipality.

C. H. M. M. M.

13.2.90 Suburban

5506/99

73/10

1896 M. 11-12-90
1735 M. 19-11-90
463 M. 26-4-89
1418 M. 24-9-90

550 M. 11

From the Collector of

Nellore.

To the Chief Secy to Govt.
L. M. Deptt

Dated 20th February 1911.

No. 349

Encl. 1. ^{Imp.}

Encl. 1.

Recd. 12. 5. Subject.

Boring an Experimental
Artesian well at
Ongole

20. 5. 89 = 1357 W
22. 11. 89 = 3332 W
26. 11. 89 = 3350 W
18. 11. 89 = 3075 W
4. 12. 90 = 3211 W
15. 12. 90 = 3829 W
16. 2. 91 = 433 W
20. 2. 91 = 967 O

SECRETARY
20 FEB 91

No 146

Transferred to the Public works
Deptt.

M. B. Birdie
Asst. Secretary

4/3/91
For St George
11th March 1891

[Enc. 12-1-91.]

To The Public Works Deptt.

4/3/91

(47)

216

Dr

177/11

The proposed experi-
mental boring at Ongole
is to be made on the
same terms as the
one at Tuticorin, viz.
Govt. will undertake
the boring, & if it be
successful the Munici-
pality will repay
the cost.

Before anything
further can be done,
it seems necessary to
wait - a reply from
the Municipal Commis-
sioner at Ongole as to whether
they agree to the terms,
vide para 2 of G.O.
of 11.12.90. In 1896 M. 11-12-90
Local Council.

M. B. Birdie
12.1.91

Ce
12-1-91

12.1.91

773 of 17 March 1891

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

773/12

Read the following

Pres. of Govt. L. & M. Dept. No 1735 M (Mins) of 19-11-90
P.W. Dept. No 3211 W of 11-12-90
From the Supy. Engrs VI Circle No 926 J. N. of 6-1-91
Engrs from the L & M. Dept. No 146 of 11-3-91

2nd
15 March

Communicated
to the Supy. Engrs II Circle
who will submit as
early as practicable, an
estimate for boring an
experimental artesian
well at Orzole. The
question of allotting funds
for the work will be
considered on receipt
of the estimate.

2. The list of boring
plant available at
Tuticorin will be for-
warded to the Engrs
G. N.

12/11

II Circle who will arrange
with the Super-Super VI
Circle for the transfer
of the articles to Ougole.

Surp. 11/12
14.3.91

~~Handwritten scribble~~

Surp.

- 10 Mr. S. S. II Circle
- with list of tools & plans
- " S. S. III Circle
- " Ch. S. for Mr.
- " Surp. Mr. S.
- " Local ground
- " Rev. Dept.

Handwritten note: 14.11.91

CS

Handwritten: 11/13

Handwritten: 13

Handwritten: 10

28/3,

Govt. of Madras.

PUBLIC WORKS.

Dated

Recd.

Encl.

G.O. 17th March 1891 No. 7340.

Artesian well at
Ougole.

(13)

The S & T Co. Ltd. desired
to submit an estimate
for boring an experimental
— and drawing
with the S & T Co. Ltd.
for the transport of
of the boring plant at
Maficorin.

130
8

1901/7/3