

(1) Number of pages _____

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MADRAS RECORD OFFICE

Government of Madras

Public Works DEPARTMENT

G.O. No.	1608	Press
B.P. No.		Mis.
Dated	16 - 7 - 195	6874

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
16th June 1874.*

No. 329. Read the following letter from Lieutenant-Colonel J. F. FISCHER, R.E., District Engineer, Godavery, to Colonel G. W. WALKER, R.E., Secretary to Government, Public Works Department, dated Dowlaishweram, 27th April 1874, No. 249 :—

I HAVE the honour to forward herewith, for the information of Government, copies of letters received from Mr. Vanstavern, Executive Engineer, on special duty in this district, on the subject of the Coal boring operations he is engaged upon.

Two copies of letters Nos. 2 and 34 of 19th February and 14th April 1874, from Mr. T. Vanstavern, Executive Engineer, on special duty.

2. It will be seen from the first of the letters above alluded to that the first bore-hole had been abandoned after a depth of 16 feet only, and when no progress could be made from having struck upon sand and water and for want of necessary tools.

3. In the second letter, which is the only one of the several received in this office, containing an account of the operations in connection with No. 2 bore-hole, Mr. Vanstavern states that he had, after a depth of 229 feet and after striking upon coloured clay, to abandon this also, as it had been giving much trouble and caving in. Mr. Vanstavern further states that had this hole been an ordinary one, he would not have felt himself justified in continuing the boring of it, but would have abandoned it on striking the soft clay.

4. I am of opinion the operations for the season should cease, as no good results are likely to be obtained. The weather is extremely hot for the time of year, and from the failure of the rains last year it is most difficult to procure any good supply of water in the place where boring operations are carried. Next month the weather and the want of water will be far worse; this month the thermometer in my house in an open verandah was over 101°. The river is falling very low indeed, indicating how very general the failure of the rains was last monsoon, and this will probably be followed by very severe floods. I am therefore the more anxious for Mr. Vanstavern's return to Doomagoodiem, as the works there require the most care and vigilant watching by an experienced hand during the monsoon season.

From T. VANSTAVERN, Esq., Executive Engineer, Public Works Department, to Colonel J. F. FISCHER, R.E., District Engineer, Godavery, dated Bedadavole, 19th February 1874, No. 2.

I HAVE the honour to inform you that on the 17th last a place lower 500 feet south of this was selected for boring, and the tools carried there.

2. On the 18th boring was commenced, and after sinking 16 feet a deposit of fine sand and water was struck; after trying for four hours, only gained three inches, and having no sand-tools the hole was abandoned, and another place half a mile north of this selected. The tools carried up this day and boring commenced, and a hole 6 feet deep sunk.

3. This boring is on a sand-stone ledge and apparently no difficulty will be met with in boring.

Proceedings of the Madras Government, Public Works Department
16th June 1871.

From the same Officer, dated 11th April 1874, No. 34.

In continuation of my letter, No. 32, dated 11th instant, I have the honour to inform you that No. 2 bore-hole was down on the evening of the 11th instant to 229 feet 11 inches; throughout the day the hole had been giving trouble, caving in.

2. On Monday morning the 13th instant the pump was put down slowly and struck at 190 depth, forced the peon down for its length and drew it up full of light coloured clay; the process of putting down and lifting up the pump was continued throughout the day till evening without gaining an inch in depth, and as it was useless to continue the work, I had removed the tools this morning, and after cutting a path through dense jungle put them to a place selected by Mr. King, where the new boring will be put in hand; when I got down to 189, the hole commenced giving a deal of trouble caving in and retarding the work, and my only reason for persevering with the hole, notwithstanding the delay and difficulty, was that it was a tut-hole by which the nature of ground could be proved.

2. Had it been a mere ordinary hole, I would not have felt myself justified in continuing it, but would have abandoned it on striking the soft clay.

SECTION OF BORE-HOLE No. 2.
B. W., 100 Level.

	FT.	IN.	FT.	IN.
Sand-stone	...	...	...	...
Dark clay	...	...	...	...
Shale	...	...	...	...
Dark clay	...	...	...	...
Light coloured clay	...	...	...	...
Dark clay	...	...	...	...
Blunt clay	...	...	...	...
Grey sand-stone	...	...	...	...
Dark clay	...	...	...	...
Blunt clay	...	...	...	...
Sand-stone	...	...	...	...
Light coloured clay (soft)	...	...	...	...
Dark clay	...	...	...	...
Brown clay	...	...	...	...
	229	11		

No. 330.

CIVIL WORKS, No. 22.

ORDER THEREON, 16th June 1874, No. 1,603.

ORDERED to be recorded, with reference to G. O., No. 1,077A, dated 27th April 1874.

(True Extract.)

Colonel, R.E.,

Secretary to Government.

To the District Engineer, Godavery.
Exd. T. O'Connor.
Spare Copies

To 34
16th June 1871
Sanstavarum Camp
Cy. Camp. P. H. D.
Col. J. Fisher R.E.
District Engineer Godavery

Sir. In continuation of my letter No. 32 dated 11th inst. I have the honour to inform you that the hole was down on the evening of the 11th inst. to 229 ft. throughout the day the hole had been giving trouble caving in.

On Monday morning the 13th inst. the pump was put down slowly and struck at 190 depth forced the peon down for its length and drew it up full of light coloured clay the process of putting down and lifting up the pump was continued throughout the day till evening without gaining an inch in depth and as it was just to continue the work I had removed the tools this morning and after cutting a path through dense jungle put them to a

place selected by Mr King where the
new boring will be put in head
when I got down to 189 the whole
commenced the giving a deal of
trouble causing in and retarding the
work and my only reason for persevering
with the hole and with standing the
delay and difficulty was that it was
a test hole by which the nature of ground
could be proved.

Had it been more ordinary
hole I would not have felt my self
justified in continuing it but would
have abandoned it on the 1st of
day.

I have the honor to be

Yours most Obedt Servt

(Signed) J. Vanstavern
Ex. Engr. P. W. D.

Section of bore hole no 2
B. W. 100 level

Sand stone	—	87-0	
Dark clay	—	17-0	115-0
Shale	—	11-0	126-0
Dark clay	—	1-0	
Light Clay	—	6-0	
Dark clay	—	27-11	160-11

102

From

J. Vanstavern Esquire
Executive Engineer P. W. D.

To

Colonel J. Treacher R.E.
District Engineer S. G.

Sir

Now the honor to inform you
that on the 17th inst. a place lower 300 feet south of
this was selected for boring and the tools carried there.

On the 18th boring was commenced and
after sinking 16 feet a deposit of fine sand and water
was struck - after trying for 4 hours only gained
3 inches. and having no sand tools the hole was
abandoned and another place half a mile north of
this selected. The tools carried up this day and
boring commenced and a hole 6 feet deep sunk.

This boring is on a sand stone ledge and
apparently no difficulty will be met with in boring.

I have the honor to be

(Signed) J. Vanstavern
Ex. Engineer P. W. D.

/ True Copy /

W. T. Treacher Esq. R.E.
District Engineer Godavari

District Engineer's Office Cuddalore
No. 249 Cuddalore 27 April 1874

For
Honor

Lieutenant Col. J. F. Fisher R.E.
District Engineer Cuddalore

Colonel G. W. Walker R.E.
Secretary to Government R.P.S.
Madras

Sir,

I have the honor to forward
herewith for the information of Government
copies of letters received from Mr. Vanstaenen,
Executive Engineer on special duty in this District,
on the subject of the Coal boring operations
he is engaged upon.

(1) It will be seen from the first
of the letters above alluded to, that the 1st
bore hole had been abandoned, after a depth
of 16 feet only, and when no progress could be
made from having struck upon sand and
water, and for want of necessary tools.

(2) In the second letter, which is the
only one of the several received in this Office,
containing an account of the operations in con-
nection with the 2nd bore hole, Mr. Vanstaenen
states that he had, after a depth of 229 feet
and after striking upon colored clay to
abandon this also as it had been giving much
trouble and causing in Mr. Vanstaenen

See letter in

Letter No. 249 Dated 27

April 1874. From the

District Engineer Cuddalore

to the Secretary to Govt.

Madras

No. 2625/74.

2/7/74.

27/16 March/74.

28/3/74 329.

26251
 Cont. of MS74. 3110705
 PUBLIC WORKS.

To H. B. Rogers.
 Secretary.

Dated
 Recd.
 6. 10. 1874. No. 1068

Nos. 329-330.

For Vancouver letter
 from the H. B. Rogers
 forwarding ~~the~~ conclusions
 from the Vancouver, by Dr. in
 the ~~conclusion~~ conclusions the
 results of his coal boring
 operations and recommending
 that officers return to home
 location by means of
 No. 329-330.

Pub. Works 1874 Sept.

No. 2625.

The District Engineer

Secretary

The Secretary to Govt
 of P.W.S.

Madras

Dated 27 March 1874

Recd 4 May 1874

No. 249

Enclosure Dec 01

Forwarded copies of
 letters received from the
 Secretaries of Engineers
 on special duty in the
 conduct of coal boring
 operations. The following
 suggested upon recommendation
 that officers return to
 the home station for
 home duties.

To the A. S. Godfrey
 " Public Works
 d. Copy dated 23/6/74.
 1608
 Ordered to be recorded in the
 1874.
 13/10
 1874.
 27/4/74

329-330
 1874
 1874