

(1) Number of pages _____

(2) Date of repair _____

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE

Government of Madras

Public Works DEPARTMENT

G.O. No.	1077A	Press	<i>Original</i>
~~B.P.~~ No.		Mts.	
Dated	27. 4.	1957	18/4

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
27th April 1874.*

Read the following papers:—

No. 345A. 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, 9th April 1874, No. 73.

WITH reference to paragraph 2 of G. O., No. 134, dated 20th January 1874,

2 Statements.

I have the honour to forward, herewith, copies of two statements showing the cost

of the coal-boring operations for one month, and of a letter received from Mr. Vanstavern, Executive Engineer, on special duty, from which it will be seen that it is impossible in the present state of the work to report what length of time the borings will be extended, and therefore an estimate for the whole cost of operations cannot be made.

2. It will moreover be observed that Mr. Vanstavern proposes stopping the work during the rainy season; but should the Government decide the work should be gone on with without interruption, it will be necessary to have the work-people properly housed, and a good Hospital Assistant sent to the place, as a great deal of sickness may be expected to take place among them.

3. I have to inform you that in the statement now forwarded the cost of an office establishment for Mr. Vanstavern has not been included, as that Officer states, if much is not required of him in the shape of accounts, he can himself do the office work. I request orders on this subject as well as regarding Mr. Vanstavern's salary, which it is presumed will be the same as allowed him when at Doomagudiem in consequence of the unhealthiness of the climate.

4. I think it very advisable that Mr. Vanstavern should return to Doomagudiem at the end of May; boring operations cannot be successfully or economically carried on during the rains, and it is of paramount importance that an experienced officer should be at Doomagudiem during the rains and to assist us in working the steamers, in providing for the storage of goods, and in seeing the plant is in good working order; one steamer was nearly lost for want of such supervision; the coal-boring operations can be resumed in December if approved of; they are never likely to be of any benefit to the district or Presidency generally for many generations; with food so expensive and precarious to provide, with labour so inert and inefficient, mining operations, the most exhausting and expensive of all kinds of labour, cannot possibly be successfully carried on.

From T. VANSTAVERN, Esq., Executive Engineer, on special duty, to Lieut.-Colonel J. F. FISCHER, R.E., District Engineer, Godavery, dated Bedanavole, 23rd March 1874, No. 19.

IN accordance with instructions contained in your memorandum, No. 3,730, dated 16th instant, received yesterday, I have the honour to enclose statements in detail of the probable cost of boring.

1st.—One hole is the most costly. This is in progress now, and must go on until something decidedly is ascertained, that is coal struck, or if not struck then bored on for the full length of the tools, 300 feet.

2nd.—Should coal be struck before the full depth bored, the boring will still be continued, but other borings will be put down to ascertain the extent of the bed.

*Proceedings of the Madras Government, Public Works Department,
27th April 1874.*

3rd.—It is impossible in the present state of the work to state over what length of time the borings will be extended; for this season it will be to the end of May, as no work except at a heavy expenditure could go on during the rains, which by the assurance of the water-courses (now dry) traversing the country here in all directions must be heavy. I should therefore recommend stopping the work there and going on again in December or probably earlier.

4th.—Should the Government however decide to work through the rains, it would be necessary to have the work-people properly housed, and also a good Hospital Assistant be sent to the place as a deal of sickness may be looked for.

5th.—In making out the statement, it is merely for work. Several bills for carriage and tools have been paid by me. Out of the sanctioned amount of Rupees 1,000, which have been included in the expenditure for February and March at the end of the season, some tools requiring no repairs may be coated, housed, and left here. Others requiring repairs, and the perishable rope should be brought in; for the carriage of these a probable expenditure of Rupees 60 will occur, and should be added to the last month's expenditure; until that time no estimate can be framed of the cost of repairs.

6th.—In the cost of boring I have not entered any office establishment; if the amounts required are kept down low, such as monthly return of progress and expenditure, I can do them myself; should it, however, be necessary for full range accounts to be sent in, then a writer acquainted with the form of the Madras accounts would be necessary, as I am unacquainted with them; besides my time is fully taken up by attending to the work, surveying, etc.

7th.—The statements of expenditure are made out for one month.

8th.—The expenditure for February and March amounts to nearly Rupees 600; this sum includes over Rupees 180 paid steamer and bandy-hire, bills for tools, etc.

Statement of the probable Expenditure for one month for one bore hole.

1 Maistry, at Rs. 50 per month	...	...	...	...	...	...	...	...	Rs.
5 Lascars, at ,, 10	..	..	..	..	..	..	..	..	50
2 Coolies, at ,, 7	..	..	..	..	..	..	..	..	50
4 Do. at ,, 5	..	..	..	..	..	..	..	..	14
1 Blacksmith, at ,, 16	..	..	..	..	..	..	..	..	20
1 Hammerman, at ,, 10	..	..	..	..	..	..	..	..	16
1 Bellowsman, at ,, 7	..	..	..	..	..	..	..	..	10
1 Cash Peon, at ,, 7	..	..	..	..	..	..	..	..	7
1 Peon, at ,, 6	..	..	..	..	..	..	..	..	7
Stores, oil, charcoal, clearing jungle and carriage of tools	...	...	...	...	...	...	...	...	6
Contingencies	...	...	...	...	...	...	...	...	15
	...	...	...	...	...	...	...	...	10
Total...									205

Statement of the probable Expenditure for one month for two bore holes.

No. 1 hole, labour—

1 Maistry, at 50 Rupees per month	...	...	...	...	...	...	...	...	Rs.
3 Lascars, at 10	..	..	..	..	..	..	..	..	25
1 Cooly, at 7	..	..	..	..	..	..	..	..	30
8 Coolies, at 5	..	..	..	..	..	..	..	..	7
	...	...	...	...	...	...	...	...	40
									102

No. 2 hole, labour—

1 Maistry, at 50 Rupees per month	...	...	...	...	...	...	...	...	Rs.
2 Lascars, at 10	..	..	..	..	..	..	..	..	25
1 Cooly, at 7	..	..	..	..	..	..	..	..	20
9 Coolies, at 5	..	..	..	..	..	..	..	..	7
	...	...	...	...	...	...	...	...	45
									97

*Proceedings of the Madras Government, Public Works Department,
27th April 1874.*

Blacksmith for repairs of Tools of both holes.

1 Blacksmith, at 16 Rupees per month	...	...	...	...	...	...	...	...	Rs.
1 Hammerman, at 10	..	..	..	..	..	..	..	..	10
1 Bellowsman, at 7	..	..	..	..	..	..	..	..	7
									33

Peon—

1 Cash Peon, at 7 Rupees per month	...	...	...	...	...	...	...	...	Rs.
1 Peon, at 6	..	..	..	..	..	..	..	..	6
									13
Cost of oil, charcoal, clearing jungle, carriage, etc.	...	...	...	...	...	...	...	...	30
Contingencies, at 5 per cent.	...	...	...	...	...	...	...	...	15
									290

(Signed) T. VANSTAVERN,
Executive Engineer.

Statement of Expenditure for February and March.

Salary of Executive Engineer for two months...	...	...	...	...	...	...	...	...	Rs.
Expenditure in boring, including carriage of tools and for tools as per cash book	...	...	...	...	...	...	...	...	600
Total...									2,200

Monthly Expenditure for one bore hole.

Salary of Executive Engineer	...	...	...	...	...	...	...	...	Rs.
Labour and material boring	...	...	...	...	...	...	...	...	205
Total...									1,005

Monthly Expenditure for two bore holes.

Salary of Executive Engineer	...	...	...	...	...	...	...	...	Rs.
Labour and material boring	...	...	...	...	...	...	...	...	290
Total...									1,090

BEDANAVOLE,
23rd March 1874.

(Signed) T. VANSTAVERN,
Executive Engineer.

No. 345B. 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, 15th April 1874, No. 152.

I HAVE the honour to forward, herewith, copy of a letter received from Mr. Vanstavern, Executive Engineer, on special duty, in this district, bringing to notice the fast failure of water in his camp, and what is now available to be

unfit for any use; and as it will be difficult, under these circumstances, for Mr. Vanstavern to carry on his operations, I request that orders may be issued to put a stop to the same till such time the season for resuming the same is favorable. From what I hear I deem it very advisable for Mr. Vanstavern to return to Dooma-gudiem, as no officer has been appointed to take charge of the works there.

Proceedings of the Madras Government, Public Works Department,
27th April 1874.

From T. VANSTAVERN, Esq., Executive Engineer, on special duty, to Lieutenant-Colonel
J. F. FISCHER, R.E., District Engineer, Godavery, dated Bedanavole, 6th April 1874,
No. 29.

I HAVE the honour to inform you that the water in the Vagu is failing just, one hole dug near the present bore hole has supplied it with water, but when I commence the other holes, which will be shortly, the water will have to be carried to them from one to two miles distance. This will of course entail an extra charge on the estimated cost of boring, and an addition of at least 15 per cent. should be added.

It is a difficult matter to form a correct estimate in a place like this surrounded with a dense jungle for miles, labour scarce; unforeseen difficulties may turn up and an allowance should be made for this in the grant for work.

The pit at the camp in the Vagu has failed and has become so bad that the water is unfit for any use, and water now has to be brought from a new pit half a mile distant.

The camp is centrally situated for the work, and cannot be shifted.

A short distance north of the present bore hole there is a pit dug in the Vagu for water; to this the cattle come daily for six miles round.

No. 345C.

ORDER THEREON, 27th April 1874, No. 1,077A.

CIVIL WORKS, No. 40A.

THE District Engineer will keep Mr. Vanstavern supplied with funds while boring for coal, and to enable him to rejoin his station at Doomagudiem at such time as he may deem it necessary to cease boring operations for the season, and he will report the total expenditure in detail in due course.

2. It would have been more satisfactory if some information had been given of the depth to which boring had been carried. But His Excellency the Governor in Council will now await Mr. Vanstavern's final report after closing the season's work, which should give full details of his operations.

3. The District Engineer's conclusions recorded at the end of paragraph 4 of his letter, No. 73, of 9th April 1874, are not based on sufficient grounds, and are not concurred in by His Excellency the Governor in Council.

(True Extract.)

Colonel, R.E.,
Secretary to Government.

To the District Engineer, Godavery.
,, Officiating Controller of Public Works Accounts.

Exd. E. C. Shunker.
Spare Copies

No. 73

GODAVERY DISTRICT.

DISTRICT ENGINEER'S OFFICE

DOWLAISHWARUM, 6th April 1874

FROM *Lieut. Col. J. F. Fischer R.E.*
THE DISTRICT ENGINEER,
GODAVERY DISTRICT.

TO *Colonel G. W. Walker R.E.*
Secretary to Government P.W.D.
Madras.

EXCLO.

Returned

Sir,
With reference to para 2 of G.O. No. 134 dated 20th January 1874, I have the honor to forward herewith Copies of 2 Statements shewing the cost of the Coal boring operations, one for one month, and of a letter received from Mr. Vanstavern, Executive Engineer on special duty from which it will be seen that it is impossible in the present state of the work to report what length of time the borings will be extended and therefore an Estimate for the whole cost of operations cannot be made.

2 It will moreover be observed that Mr. Vanstavern proposes stopping the work during the rainy season, but should the Government decide the work should be gone on with without interruption, it will be necessary to have the work people properly housed, and a good Hospital Assistant sent to the place, as a great deal of sickness may be expected to take place among them.

3 (2) I have to inform you that in the statement now forwarded, the cost of an Office Establishment for Mr. Maustanem, has not been included as that Officer states, if much is not required of him in the shape of accounts, he can himself do the Office Work. I request orders on this subject as well as regarding Mr. Maustanem's salary, which it is presumed will be the same as allowed him when at Drunagudem in consequence of the unhealthiness of the Climate.

4 I think it very advisable that Mr. Winstanley should return to Dornagudem at the end of May, boring operations cannot be successfully or economically carried on during the rains and it is of paramount importance that an experienced Officer should be at Dornagudem during the rains and to assist us in working the Steamers, in providing for the storage of goods and in seeing the plant is in good working order, one steamer was nearly lost for want of such supervision; the coal boring operations can be resumed in December if approved of: they are more likely to be of any benefit to the District or Presidency generally for many generations; with food so expensive and precarious to provide with labor so inert and inefficient, mining operations, the most exhausting and expensive of all kinds of labor, cannot possibly

has successfully carried out.

I have the honor to be

Yours Most Obedt Servant
Wm. T. B. R. R.

District Engineer Co. & Son

Sub: Works 1871's & 1872's
Sub No: of 4000 1871's
The District Engineer

Godfrey
to
The Secretary to the Board
A. D. C. A.
Hastings

Recd 9th Nov 1874
Recd 15 April 1874
Chas. H. H. H. 200 9/11/74
No: 73
S. H. H. H. H. H.
S. H. H. H. H. H.
S. H. H. H. H. H.

Forward two statements
showing the cost of 1871's
being operations for one
month and 1872's
the completion of the same
during previous season
for previous season

C. D. H. 1871's 27-4-74

Chas 34508

Recd 15 April 1874

Statement of the probable expenditure for one
Month for one bore hole.

1 Maistry Rs. 50 per Month	50-0-0
5 Lascars " 10/-	50-0-0
2 Coolies " 7/-	14-0-0
4 " " 5/-	20-0-0
1 Blacksmith " 16/-	16-0-0
1 Hammer man " 10/-	10-0-0
1 Bellows man " 7/-	7-0-0
1 Cash peon " 7/-	7-0-0
1 Peon " 6/-	6-0-0
Stores, Oil, Charcoal, clearing jungle Carriage of Tools	15-0-0
Contingencies	10-0-0
Rupees	205-0-0

Statement of the probable expenditure for one Month
for two bore holes.

No 1 Hole, labour

1/2 Maistry at 50% per Month	25-0-0
3 Lascars at 10/-	30-0-0
1 Cooly at 7/-	7-0-0
8 Coolies at 5/-	40-0-0

No 2 Hole labour

1/2 Maistry at 50% per Month	25-0-0
2 Lascars at 10/-	20-0-0
1 Cooly at 7/-	7-0-0
9 " at 5/-	45-0-0

Blacksmith for repairs of tools of both holes.

1 Blacksmith 16% per Month	16-0-0
1 Hammer Man 10% "	10-0-0
1 Bellows man 7% "	7-0-0
Peon	
1 Cash peon 7% per Month	7-0-0
1 Peon 6% "	6-0-0

Cost of oil charcoal clearing jungle carriage	30-0-0
Contingencies at 5 per Cent	15-0-0

True Copy / Signed H. Vanstavern
District Engineer.
District Engineer Madras

Madanavale }
23rd March 1874

13

Expenditure in boring including carriage of
tools & for tools as per Cash book } 600-.-.-.

Rs _____ 2200-0-0

Salary of Apprentice Engineer ————— 800 — 00

Labor and material being _____ 205-0-0

Ruppes 1005-0-0

Salary of Executive Engineer ————— 800—0—0

Labour and material boring————— 290—0—0

Rupees—1090-0-0.

Belmonte }
23^d March 1874 }

Signed / V. Vanstavern.
Executive Engineer P.W.D.
/ True Copy /

Wittichius R. 1860

District Engineer Goddard

DISTRICT ENGINEER'S OFFICE, GODAVERY.

DOWLAISHWARUM, 15th April 1874.

No. 152

Sept 16th

From.

Nieuliant Coll J. & F. Fischer & Co.

District Engineer
Godavery District

To.

Col. G. W. Walker & Co.

Secretary to Government D. P. W.

MADRAS

Enclosure 1
Copy of a
Letter No. 29
Dated 15th April 1874
SIR,
In reference to
the letter of the
15th April 1874

I have the honor to forward herewith copy of a letter received from Mr. Vaustanier Executive Engineer in special duty in this District, bringing to notice the great failure of water in his Camp, and what is now available, to be unfit for any use, and as it will be difficult, under these circumstances, for Mr. Vaustanier to carry on his operations, I request that orders may be issued to put a stop to the same till such time the season for resuming the same is favorable. From what I hear, I deem it very advisable for Mr. Vaustanier to return to Drunagudim as no officer has been appointed to take charge of the works there.

I have the honor to be
Sir

Your Most Obedt Servant

W. F. Fischer & Co. Secy

District Engineer Godavery

Enclosure in
Letter No. 73
Dated 9th April 1874
from the District Engineer
forwarding to the Secretary
to Government Madras
D. P. W. 2211/1874
15th April 1874
No. 34502

Bedanauale
6th April 1874

No. 29

From

J. Vanstaunme Esq^r
Executive Engineer P.W.D.

To

Colonel J. Fischer R.E.
District Engineer C.B. & D.

Sir,

I have the honor to inform you that the Water in the Vagu is failing just as one hole dug near the present box hole has supplied it with water, but when I commenced the other holes which will be shortly the water will have to be carried to them from one to two miles distance.

This will of course entail an extra charge on the estimated cost of boring and an addition of at least 15 per cent should be added.

It is a difficult matter to form a correct estimate in a place like this, surrounded with a dense jungle for miles labour scarce. unforeseen difficulties may turn up & an allowance should be made for this in the grant for work.

The pit at the Camp in the Vagu has failed and has become so bad that the water is unfit for any use and water now has to be brought from a new pit half a mile distant.

The Camp is centrally situated for the work and cannot be shifted.

22-345-12

Dated. 15 th April 1874. Received. 20 th April 1874.		The District Engineer, Godavery District, The Secretary to Government Department Public Works MADRAS
NO. 152 Encl. One		
Subject. The Secretary to Government Department Public Works The District Engineer, Godavery District, The Secretary to Government Department Public Works MADRAS		

and requests he may be ordered to return to Annamalai.

5 A short distance north of the present
 bore hole there is a pit dug in the Vagu for
 water to this the cattle come daily for six
 miles round.

Shanes 8:12 8:12
 (Signed) J. Vanstavern
 1 True copy, 1 Executive Engrs P.W.D.

West. Tucker Esq. M.A.
 District Engineer Co. Bangalore

Enclosure in a
 letter No 152 dated
 15th April from the District
 Engineer Bangalore to
 the Secretary to Govt.
 P.W.D. Bangalore
 P.W. 237/1/74.
 24. 7. 74
 In 13 No 3456

GO No: 1077 A of
 27th April 1874.

P. W. D.

Proceedings of the Madras Government,

Under date the

187 .

Read the following :-

From the District Engineer } (No. 73 of 9 April 1874)
 Godavari }
 From the Do Do } (No. 152 of 15 April 1874)

MS
 24th

The District En-
 gineer will keep
 Mr. Vanstavern sup-
 plied with funds
 while boring for coal
 and to enable him to
 repair his station
 at Damagudim at
 such time as he may
 deem it necessary
 to cease boring opera-
 tions for the season
 and he will report
 the

the total expenditure
in detail in due course.

It would have been
more satisfactory
if some information
had been given of the
depth to which boring
had been carried. But
His Excellency the
Governor in Council
will now await Mr.
Tanotaverry's final
report after closing
the season's work,
which should give
full details of his
operations.

The District En-
gineer's conclusions
recorded at the end
of

of para 4 of his letter
No. 43 of 9th April 1874,
are not based on suf-
ficient grounds and
are not concurred
in by His Excellency
the Governor in
Council.
G.M.W.

To S. E. Godavery
" Comptroller
S. Copies despatched to Comptroller 28/5/74.
In-S despatched to S. E. by post 27/4/74.
S. Copies despatched to S. E. 29/5/74.

2371-2211 ✓
Govt. of 1874 ~~W.D.~~
PUBLIC WORKS.

To

The Dist. Super
N. I. ~~Pro. way~~

Dated

Recd.

Encl. ~~4~~

G. O. 27 Apr 1874. No. 1077A.

NOE. 345A-345B.

Mr. Vanstavern

Issuing instructions
for ~~the~~ Mr. Vanstavern
being supplied with
funds ~~in connection~~
~~with the~~ coal to while
employed on coal boring
operations and awaiting
a final report after ~~the~~
closing the season work

44-6-44-292-347