

(1) Number of pages 16

(2) Date of repair _____

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.G.O. No. 1014Press
~~Mis.~~Dated 24 — 3 — 1877.Not to be folded or roughly handled

In the Public Works Department.

7

1 a

Proceedings of the Madras Government, Public Works Department.
24th March 1877. No. 1,014.

No. 619. Read the following letter from W. S. HARRINGTON, Esq., District Engineer, Madura, to the Acting Joint Secretary to Government, Public Works Department, Buildings, and Roads Branch, dated Dindigul, 7th March 1877, No. 4,799 :—

I HAVE the honor to forward, for your information, copy of a letter from the Executive Engineer on special duty, No. 196 of the 2nd instant, explaining the delay in submitting the estimate called for in G.O., No. 3,081, dated the 18th November last, and to request that his application for funds, as contained in paragraph 10, may be favorably entertained by you.

From Lieutenant-Colonel G. V. LAW, Special Executive Engineer, to W. S. HARRINGTON, Esq., District Engineer, Madura, dated Lower Pulneys, 2nd March 1877, No. 196.

WITH reference to G.O., 9th February 1877, No. 462, I have the honor to request you to be kind enough to bring to the notice of Government the reasons that no steps have been taken to prepare the estimate therein called for, and my request to be allowed a few weeks' grace before undertaking the same.

2. I received the order to prepare the estimate (G.O., 18th November 1876, No. 3,081) whilst absent on privilege leave, and since my return have been fully occupied in carrying out paragraph 2 thereof, and have completed the trace of the new Kodakanel Ghaut from the 16th mile to the foot without a zigzag. The whole ghaut line has, therefore, only one zig at the third milestone from Kodakanel, as heretofore reported.

3. Commencing from the 16th mile, I revised last year's traces, and, after a few trial traces, completed a favorable trace of easy gradients past the Punnikad Ghaut and through the Umbahvy valley to its mouth, 22nd to 23rd mile.

4. The whole drainage of the Umbahvy valley falls through a very narrow gorge, precipices concealed by trees and thorny creepers, and ground too steep to stand on without holding; trial trace after trial trace failed, and I nearly despaired of getting through. I finally secured a practicable line by running about a mile of 1 in 16 downwards, followed by $\frac{1}{2}$ of a mile of level and about $\frac{1}{3}$ of a mile reverse slope (upwards) and a short level run.

5. I then obtained a practicable run downwards, 1 in 19, till within a mile of the foot, when I was again stopped by precipices rising tier over tier. I finally worked out a practicable line with levels, 1 in 28, and one short reverse slope of 1 in 19, after which a steady 1 in 19 "downwards" to the foot.

6. The foot of the ghaut strikes the plains about $3\frac{1}{2}$ miles north-east of Davadanaputty and about 4 miles north-west of Batlagoonda, and I estimate its length at about 28 miles, of which 20 miles are easy as regards both gradients and opening.

7. The work has been the most arduous I have ever undertaken. The last running water was passed at the 16th mile post, and at the 21st and 23rd I could only obtain a scanty supply from holes dug in the nullahs; below that, till the river in the plains, not a drop, but what the tracing party carried with them, and during the last few weeks we were out from 10 to 13 hours daily, obliged to trace during the hottest hours of the day, the twilight and cool hours of the day being past in scrambling to and returning from the line of pegs, and the long distance we had to go to get out of fever range.

8. For some time after my return laborers were very scarce, deterred by want of water and fear of fever; my presence in the valley seems, however, to have reassured them, and by the middle of February I had 140 at work in the Umbahvy valley and have opened the bridle-path to 23rd mile. I have now been obliged to transfer almost all to the plains, from whence

PROCEEDINGS OF THE MADRAS GOVERNMENT.

3 a

Proceedings of the Madras Government, Public Works Department,
24th March 1877. No. 1,014.

UNDER date the

Read the following:—

the last few miles can alone be opened, and have arranged for the carriage of water from the river below to the work spot.

9. The only member of my office who can help me with the survey is now opening the foot of the ghaut, and it will take me another fortnight to get the line cleared sufficiently for measurements, lay out the large nullah crossings, and get as much done as possible before the deadly fever season sets in. It is only a question of a few weeks, and then I shall have ample leisure for the survey and estimate.

10. In conclusion, I have the honor to request that a few thousands of Rupees may be placed at my disposal during April and May for working the upper sections of the ghaut in anticipation of the survey and estimate. I expect within the current month to work out all but a few hundreds of the original allotments.

No. 620.

ORDER THEREON, 24th March 1877, No. 1,014.

CIVIL WORKS, No. 55.

HIS GRACE the Governor in Council
learns with satisfaction that Lieutenant-
Colonel Law has completed the trace of

the new ghaut to Kodakanel on the Pulney Hills; he records with pleasure the success that has attended Lieutenant-Colonel Law's persevering and laborious exertions; and desires to be conveyed to that officer his appreciation of the skill with which he has in the intricate and difficult country he had to deal with accomplished the work entrusted to him.

2. Under the circumstances reported, His Grace the Governor in Council sanctions the work being continued during the next official year, in the out-going budget of which funds have been provided for the new Pulney Ghaut. He desires, however, that the expenditure shall, in the first instance, be confined to thoroughly lock-spitting the trace, so that none of it may be lost, and opening it to bridle-path one yard out of the solid throughout. And he looks to Lieutenant-Colonel Law using his best endeavours to supply the surveys and estimate, &c., called for in G.O., No. 3,081, of 18th November 1876, as early as practicable.

(True Extract.)

Colonel,
Acting Joint Secy. to Govt., P.W.D.,
Buildings and Roads Branch.

To the District Engineer, Madura.

„ Financial Department.

„ Examiner of Public Works Accounts.

Exd. E. C. Shunker.

Spare Copies

From

The Dist. Eng. Madura (H.O. No. 4799 of 7th March 1877)

His Grace the Governor in
Council learns with satisfaction
that Lieut. Colonel Law has
completed the trace of the New
Ghaut to Kodakanel on the
Pulney Hills; he records with
pleasure the success that has
attended Lieut. Colonel Law's
steadily persevering and laborious
exertions, and desires to be
conveyed to that officer his
appreciation of the skill, judg-
ment and energy with which
he has in the face of all obstacles
in the intricate and difficult
country he had to deal with
accomplished the work
entrusted

entrusted to him.

2. Under the circumstances reported His Grace will not object to the work being continued as proposed during the next official year, in ^{the} out going Budget of which funds have been provided for the New Ghaut to Kodakanel. He desires that the trace be at once thoroughly looked up, and where practicable opened to Bridle path so that no portion of it may be lost. And he looks to Lieut. Colonel Law using his best endeavours to supply the surveys and estimate ^{to be} called for in G.O. No 3081 of 18th Nov. 1876 as early as practicable.

W.H.
14.3.77.

W.H.
15.3.77

I think we can
pledge ourselves to
the work proposed
during the next
year and have
some 1/2

We earnestly recom-
mend endeavor being made
to prosecute the work - the
advantage that has been
done & the presence of Law
will be a risk otherwise

(14/3) I am sure that the
that funds are available
for making a good trace
D. I. Malabar in the
& the Dept. of the
serious loss of money
has the permanent benefit
of the labor & the money.

The fact of the
amount having been
provided in the Budget
was not stated -

The yard wide trace
proposed I considered
simply as marking out
what I promised to do
that there would be no
prospect of continuing
this year the work as
a road. which I
insisted on the idea
Bf. 21/3

Recirculated to His
Grace the Governor, with
reference to the remarks
made by the Hon-
Sir W. Robinson, and
the Hon Mr Rudleston.
Thirty thousand rupees
have been entered for
the work in the out-
going Budget.

The undersigned describes
the utmost importance
of the prosecution of
the work in the manner
proposed in the draft
order - failing which
the Colonel Law's

Chairs

2815-

[The page contains several lines of handwritten text, which is mostly illegible due to extreme fading and blurring. The script appears to be cursive.]

No. 196.

2^d March 1877.

From,

Kinch, Colonel Law

Special Executive Engineer

L.

W. S. Harrington Esq.

District Engineer Madras.

Sir,

With reference to L. O. 9. February 1877, No. 462 I have the honor to request you to be kind enough to bring to the notice of Government the reasons: that no steps have been taken to prepare the estimate, therein called for, and my request to be allowed a few weeks grace before undertaking the same.

2. I received the order to prepare the estimate (G. O. 18th November 1876 No. 3081) whilst absent on privilege leave, and, since my return, have been fully occupied in carrying out para 2 thereof, and have completed the trace of the New Godakunnel G. haat, from the 16th mile to the foot, without a zigzag. The whole G. haat line has, therefore, only one zig at the 3rd mile stone from Godakunnel, as heretofore reported.

3. Commencing from the 16th Mile, I raised last year's traces, and after a few trial traces, com-

- pleted a favorable trace of easy gradients past the Punnickad Ghaut, and through the Ambahy valley, to its mouth - 22 to 23 mile.

4. The whole drainage of the Ambahy valley falls through a very narrow gorge precipices concealed by trees and thorny creepers, and ground too steep to stand on without holding; trial trace after trial trace failed, and I nearly despaired of getting through. I finally secured a practicable line by running about a mile of 1 in 16 downwards, followed by $\frac{1}{4}$ of a mile of level, and about $\frac{1}{3}$ of a mile reverse slope (upwards), and a short level run.

5. I then obtained a practicable run, downwards, 1 in 19, till within a mile of the foot, when I was again stopped by precipices rising tier over tier. I finally worked out a practicable line with levels, 1 in 28, and one short reverse slope of 1 in 19, after which a steady 1 in 19 "downwards" to the foot.

6. The foot of the ghaut strikes the plains about $3\frac{1}{2}$ miles North east of Davadamapethy and about 4 miles North west of Ballagoonda and I estimate its length at about 28 miles; of which 20 miles are easy, as regards both gradients and opening.

7. The work has been the most arduous I have ever undertaken. The last running water was found at the 16 mile post and, at the 21st and 23rd, I could only obtain a scanty supply from holes dug in the nullahs; below that, till the river in the plains, not a drop, but what the tracing party carried with them, and during the last few weeks we were out from 10 to 13 hours daily: obliged to trace during the hottest hours of the day, the twilight and cool hours of the day being lost in scrambling to, and returning from, the line of pegs, and the long distance we had to go to get out of fear range.

8. For some time after my return labourers were very scarce deterred by want of water and fear of fear; my presence in the valley, seems, however, to have reassured them, and, by the middle of February, I had 140 at work in the Ambahy valley and have opened the bridge path to 23 mile. I have now been obliged to transfer almost all to the plains from whence the last few miles can alone be opened and have arranged for the carriage of water from the river below to the workshop.

9. The only member of my office, who can help with the survey, is now opening the foot

of the shaft, and it will take me another fortnight to get the line cleared sufficiently for measurements, lay out the large nullah crossings, and get as much done as possible before the deadly fever season sets in. It is only a question of a few weeks, and then I shall have ample leisure for the survey & estimate.

10. In conclusion I have the honor to request, that a few thousands of rupees maybe placed at my disposal during April & May, for working the upper sections of the shaft, in anticipation of the survey and estimate. I expect, within the current month to work out all but a few hundreds of the original allotments.

I have &c

Respectfully,
George V. Low, Esq. Coll.
Special Executive Engineer.

Per Off.

W. Harrington

District Engineer,
Madura.

F.W.D.
12877
No. 2615

Enclosed in a letter from
the Civil Engineer, Madras
to the Chief Engineer, Madras
of building No. 1799 of
7-3-77

Roads and Buildings.

No 1799

District Engineer's Office
Sindigub 7th March 1877
Despatched 7th - D. - 11a

From, Mr. J. Harrington Esquire
District Engineer Madras.

To
Colonel. W. Farewell
Chief Engineer for Roads and Buildings
Madras.

Sir,
I have the honor to forward for your information copy of a letter from the Executive Engineer on Special Duty. No. 196 of the 2nd Instab, explaining the delay in submitting the estimate called for in B. C. No. 3081 dated the 18th November last and to request that his application for funds as contained in para 10 may be favorably entertained by you.

I have the honor to be
Sir,

Your most obedient servant

W. Harrington
District Engineer,
Madura.

Encls: 1

Letter

Copy of the letter

h. C. 24th March 77 30 2619

J.W.D.

12/11/77

2615

No.

From
The District Engineer
Madras

To
The District Engineer
Madras

The Chief Engineer
for Road & Buildings
Madras

For Road & Buildings
Madras

Dated 7th March 77
Read

Contd: 1.

No 4799.

I enclose copy of
Sund. Coll. Govt. letter
explaining the cause
of delay in submitting
Certain Reports &

G.O. 24th March 77 No 619

PROCEEDINGS OF THE MADRAS GOVERNMENT

Under date the 24th March 77 13 a

Read the following:—

From
The Dist. Eng. Madras (No. 4799 of 7th March 77)

and in regard
to the work done
by the District Engineer
Madras in connection
with the completion of the
New Ghant to Kottakand
on the Pichay Valley, the
records with pleasure the
success that has attended
the work done by the
District Engineer's personal
and laborious exertions,
and desired to be conveyed
to that officer his ap-
preciation of the skill
with which he has in the

intricate and difficult
country he had to deal
with accomplished the
work entrusted to him.

2. Under the circumstances
reported, His Grace the
Governor in Council sanctions
the work being continued
during the next official
year, in the out-going
budget of which funds
have been provided for
the New Railway Grant.

He desires, however, that
the expenditure shall, in
the first instance, be con-
fined to thoroughly look-
ing up the track so that
none of it may be lost,
and opening it to bridle
path over and out of the
solid throughout. And

he looks to Lieut. Colonel
Law using his best endeavours¹⁵⁰
to supply the surveys and
estimate &c &c called for
in G.O. No 3081 of 18th
November 1876 as early
as practicable.

W. H.
24-3-77.

H. Madure.
Finl. Dept.
R.P.W.A.
E. T.

Rep 29-3-77

✓
Circled



Govt. of 1877 Madras.

PUBLIC WORKS.

To Mr. H. C. Madras

Dated

Issued

Recd.

Encl.

G. O. 24th March 1877, No. 1074

Recd. 519-520

New Palney Grant.
Madras Dr. - Recording
with satisfaction of Col.
Law's report of the comple-
tion of the trace of the
to ^{proposed} ~~proposed~~ ^{proposed} ~~proposed~~ in the Palney
Hills, and directing the
continuance of the work
during the next official
year. Funds being pro-
vided for the purpose in
the out-going Budget.

sent to

h.c.