

(1) Number of pages _____

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(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public works DEPARTMENT.

G.O. No. 941	Press
41-43	Mis-
Dated 4-4	1870.

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*Proceedings of the Madras Government, Public Works Department.
4th April 1870.*

- (4.) *Bank Canal.*—Nearly ready, can be despatched within a fortnight.
(5.) *Attalli Channel.*—Also nearly ready, and can be despatched within a fortnight.
(6.) *Undi High Level Channel.*—The sections have been taken, and are nearly plotted. I can give the estimates and plans in about a month.
(7.) *Gostanady and Vailpur Channel.*—The cross-sections of Gostanady and levels for this channel are now in hand, and will be completed, I hope, in another ten days. I doubt if I can have plans and estimates complete under six weeks from this date.
(8.) *There remain the drainages.*

2. If you will decide on your coming tour of inspection whether the line of Gostanady outfall drain is to be kept as proposed by Captain Ryves, or whether it is to be altered, I can proceed with the plans and estimates and send them in with the estimate for the new Vailpur Irrigation channel. The other drainages are minor ones, for which lump-sum estimates were prepared by Captain Ryves.

3. There is an immense deal of work in submitting these plans: all the channel sections had to be drawn again, as the Chief Engineer ordered them to be sent in on a natural scale, and they have all been calculated over again.

4. The Undi Canal sections it was necessary to take again, as the levels had never been checked, and the channel has been considerably altered since they were taken in 1866. On my explaining this to you, you ordered them to be done again. Similarly with the main canal, as Major Mullins ordered a survey of this, and as from the sections taken by us in October, I had reason to doubt the accuracy of the original sections taken in 1868, you agreed with me that they should be done over again.

5. There has been no delay on my part. I have been working at these plans and estimates four and five hours a day regularly, in addition to the duties of a heavy Range. Under the above circumstances, although, I hope, to be able to despatch all the estimates by the 1st May, I should sorry to promise their despatch before the 15th of that month.

No. 42. ORDER THEREON, 4th April 1870, No. 941.

IRRIGATION, No. 6.

ORDERED to be recorded.

2. The subject of paragraph 3 of Major Fischer's letter has been already disposed of in G. O., No. 935, dated 4th April 1870. Sanction for the Peruvilli Lock cannot be given on general considerations of convenience.

(True Extract.)

Major, R. E.,
Acting Joint-Secretary to Government.

To the Superintending Engineer, 1st Division.

Exd. F. R. Bantleman.

843

From

To,

Sir,

3
To 3 or Western Delta Range
Karsapur 28th February 1870

The Officer in charge
No 3 or W.D. Range
The Superintending Engineer
1st Division

With reference to your Memo
No 4118 dated 25th Instant. I beg to state that
the Plans and Estimates required for the
Project are as follows.

- 1 Main Canal Plans and Estimates have been despatched to you on this date.
- 2 Cakaraparru Channel } These Plans and Estimates have also been despatched.
- 3 Karsapur Canal } The Plans are ready, Masonry works and the Estimates can, and Irrigation Extension will be sent up in a few days more.
- 4 Bank Canal. Nearly ready, can be despatched within a fortnight.
- 5 Attalli Channel. Also nearly ready, and can be despatched within a fortnight.
- 6 Undi High Level Channel } The sections have been taken and are nearly plotted. I can give the Estimates and Plans

Sections of
Gostanary
canals for this channel are now
in hand, and will be completed, I hope,
in another 10 days. I doubt if I can have
plans and estimates complete under
six weeks from this date.

1 There remain the Drainages.
2 If you will decide on your coming
tour of inspection whether the line of
Gostanary outfall drain is to be kept
as proposed by Captain Pykes, or whether
it is to be altered I can proceed
with the plans and estimates and
send them in with the estimate for the
new Vailpur Irrigation Channel. The
other drainages are minor ones for
which lump sum estimates were
prepared by Captain Pykes.

There is an immense deal
of work in submitting these plans,
all the Channel sections had to be
drawn

drawn again as the Chief Engineer
ordered them to be sent in on a
natural scale and they have all been
calculated over again.

The Vnoir Canal sections
it was necessary to take again as the
levels had ^{checked and the channel has been} never been considerably
altered since they were taken in 1866.
on my explaining this to you, you
ordered them to be done again. Simi-
larly with the Main Canal, as Major
Mullins ordered a survey of this,
and as from the sections taken by
us in Oct. I had reason to doubt
the accuracy of the original sections
taken in 1868 you agreed with me
that they should be done over again.

There has been no delay on
my part. I have been working at
these plans and estimates 4 and 5
hours a day regularly in addition
to the duties of a heavy Range. Under
the above circumstances although
I hope to be able to despatch all
the

the Estimates by the 1st May, & should
be sorry to promise their completion
before the 15th of that month.

Yours &c &c

Signed / J. W. Russell

Exp Engr to 3 Range Survey

(True Copy)

Wm. L. Tucker Major P.E.

Asst Engr 1st Division

Dep. 1007/70.

10
SUPERINTENDING ENGINEER'S OFFICE, 1ST DIVISION

POULAISSWARUM, 9th March 1870

No. 4253

From

Major J. W. Russell
Superintending Engineer

1st Division

To

Colonel J. D. W. Russell

Secretary to Government D. P. W.

Madras

SIR,

Referring to G.O. of the 12th
February 1870, & to S.O. para 1, I regret to say
I find the design for the lifting gear for the
slide valves, was not shown in the plan
for the Alampara Lock, as sent up, but it
is to be shown throughout the Delta, and
has been shown in the plans for the Lock
on the Cochinada Canal.

2

With reference to para 3, I beg
to forward, copy of a letter from the Executive
Engineer in charge of the 3rd Range Survey,
giving in detail, the work he has to
perform, to comply with the Acting Chief
Engineer's instructions. Mr. Russell
however has omitted to observe that, all
Lock designs are to be revised in order
that

843 of 23rd Feb
1870

that there should be some building with
 - cash required as much as possible.
 - If the sections return to main, were not
 complete and so, it was in view to
 work from them, and in so doing, as
 clear instructions will be given, as to
 what was proposed to be done, as to how
 had to be revised and drawn to the same
 scale as was shown in the project in view,
 Now already reported in my letter of 1855
 dated 3^d Instant.

3. I beg also to take this opportunity
 to again solicit the attention of Government
 to the request contained in para 5 of my
 letter printed with the G.O. under review,
 with a view to another new dock at inner
 being sanctioned for this important line
 of navigation. The new dock is
 situated about 5 miles above the one
 sanctioned to be built at the ^{St. George's}
 and is at the head of the ^{St. George's} River
 Canal. A new Calingaid has lately
 been provided at this point, and this

very advisable to build the new dock there,
 at the same time that the one at ^{St. George's}
 is in progress, so that any materials not
 required at the one, can be readily disposed
 to the other work. The estimates for the designs
 are of the same amount, and one overseer
 can be superintend both works.

The Dutcha Locks on the
 line have answered their purpose very well
 for several years, but they are very much
 worn, and as the traffic increases, and they
 have to do more and more duty, it is to be
 feared, that some day one of them may give
 way altogether, when an enormous
 amount of damage would be done to
 both public and private property, to say
 nothing of the stoppage of the communications.
 I am therefore most anxious to put this
 Canal, and the Peramada one, into thorough
 working orders as soon as possible, for the
 locks on the latter, are as bad as ^{the} can be.

Have the honor to be
 Sir,
 Your most obed^t servant
Wm. T. Riches Major M.
 & Chief Engineer 1st Division

1941

Under date the 6 April '70.

Read the following

From The As: Superintending
Engineer 1st Div.
H. Co. No 14253 of 9th March 1877

(Ordered to be recorded.)

The subject of para 3 of Major Fischer's letter has been already disposed of in G. O. No 935 dated 4-April 1870. Sanction for the Peruvilli lock cannot be given on general considerations of convenience -

 γ_0

The L. G. 18th Nov 1892 ✓

by. 10/3/70

Dec 6/4/70.

[Signature]

[illegible]

Sept. of 1870 31/10/75.

PUBLIC WORKS.

The Superintendent Engr.
1st Division

1977

ord.

G. O. Gilfillan 1870. Dr. 941-

№3. 41-42

Lock Called for me at Subj. J. J.
of the 1st Regt relative to the
Lock at Tampara on the Nar.
-daper Canal in the British
Delta of the Godavari, see record
to the Remarks.