1. Number of pages 20
2. Date of repair 22-6-
3. Initials of Reference

M.R.O. 1—22,400—23-11-50.

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

Cons. 21 & 57

G.O. No. 672 Press Mis.—

Dated 7—4— 1857

Not to be folded or roughly handled

No. 38. Read the following Extract from the Proceedings of the Chief Engineer, dated 27th March 1857, No. 11323.

Read the following letter from Lieutenant F. T. HAIG, Civil Engineer, Upper Godavery; to Colonel C. E. FABER, Chief Engineer, dated Doomgoodiem, 13th March 1857, No. 15.

SIR,

1. I have the honor to report, that the Survey of the line of Canal from this place to Daverapilly, in connexion with the proposed works at the Central Barrier, will be completed to-day. The preparation of the plans and estimate will occupy some days more, but the expenditure will almost entirely cease from the 15th Instant. The Native Surveyor has received orders to return to Rajahmundry forthwith, but as I have other employment for Mr. Leggett, he will continue to be attached to this Division.

2. The total expenditure on the Survey up to the end of last month, amounted to about 2,700 Rupees. The remaining *800 will nearly suffice for the work which has since been executed as well as for what yet remains to be done. I hope to forward the bill for this work along with the plans and estimate.

*Total amount sanctioned, 3,500 Rupees.

3. It is now more than 3 months since the date of the Resolution of Government recommending for the immediate sanction of the Government of India, the temporary works proposed for opening the Navigation of the Godavery, but I have not as yet received any intimation of such sanction having been accorded. The best part of the working season is already gone, and there remain but 2½ months in which work in the bed of the river is practicable. If intelligence of the sanction of the Supreme Government should reach me to-day, I could not possibly commence operations for another fortnight, as the greater part of the workmen, Carpenter's, Smiths, &c. have to be sent for from Rajahmundry. The delay in commencing at the Enchampilly barrier must be still greater, as it is 80 miles higher up the river, and the Navigation is becoming every day more difficult, Moreover, I have no Officer whom I could send to Superintend the operations at that place, and by the time one could reach it from Dowlaishwarum, with workmen, and materials, another month would have elapsed. In addition to this, I have not yet succeeded in procuring more than a small portion of the timber required for the tramroads, and have no prospect of obtaining a sufficient quantity before the middle of next month.

4. Under these circumstances, it becomes a question, how far I am justified in waiting for sanction for the whole of the works proposed for the three barriers, and whether the wishes and intentions of the Government would not be better met by a departure from the usual course, and by my proceeding at once, in anticipation of their sanction, to make the most I can of the money and time now available, to secure a Navigable passage through the first barrier at least, before the favorable opportunity shall have passed, and the delay of another year have been inevitably entailed.* It appears to me, that the circumstances of the case are such as to call for such a course of procedure. There is no longer time to await the result of a reference to Madras.

* As well as the loss during that time of an additional 80 miles of river communication.

I have waited for sanction to the last moment, never anticipating that it could have been delayed so long. It now becomes, as I conceive, my duty to take upon myself the responsibility of immediate action, and I have therefore determined upon doing so.

5. A more simple means of avoiding the difficulties of the Navigation at the Central Barrier than by a tramroad is, I think, practicable, and perhaps preferable. It is that which I originally proposed in my first report upon the Godavery, viz., submersible locks in the river bed, I was induced to recur to it a few weeks ago, when it became apparent, that great difficulty would be found in obtaining the quantity of timber required for laying the tramroads, and also that the season was already so far advanced, as to make the completion of those works a matter of uncertainty.

The objections which I urged, in my report of the 3rd May last, against locks of this kind as *permanent* works, still seem to me to hold good, but, as I then stated, they are not such as to preclude the use of such locks as temporary expedients. The Navigation between Buddrachel-

completed

lum, and the foot of the Barrier, will of necessity be very imperfect until the completion of the proposed Canal, and if an equally practicable Navigation through the Barrier can be obtained by means of these locks, it is all that we require.

6. It will be sufficient to construct two locks, one of 6 feet lift in the lower part of the Barrier, and another of 10 feet at the mouth of the Doonegoodiem lunka channel. I propose to build the quoins and sills of wood, to save time and labour, and to limit the width of the locks to 10 feet, which will render only a single gate, instead of double ones necessary. I shall make as much use of mortar in building the walls, as time and the means at my disposal will allow, but I do not consider rubble masonry indispensable in this case. A few isolated rocks will have to be removed in different parts of the channel,

7. I propose to use for this purpose, the 6,000 Rupees sanctioned by Government for the purchase of iron, and timber, for the tramroads. It will be almost all available, as Captain Rundall is ready to take off my hands all the iron I have already bought.

8. I have directed Mr. Leggatt, to proceed to Dowlaishwarum for the purpose of procuring masons, and quarry men, as well as tools, and materials. I propose commencing to build the lock gates fortwith, but shall be able to do little else until the receipt of tools from Dowlaishwarum, the whole of the stores formerly kept at this place having been sent down there some months ago.

9. I hope that by an expenditure of 6,000 Rupees, I shall be able to complete these works, but would earnestly request that in the event of another 2,000 Rupees being required, that amount may be sanctioned.

Resolved, to forward the foregoing letter No. 15, of the 13th March 1857, for the favorable consideration and orders of Government, with a request that, if Lieutenant Haig's proceedings are approved of, the further sum of Rupees (2,000) two thousand and (as requested in para. 9,) may at once be placed at his disposal, in the hands of the Collector of Rajahmundry.

(Signed) C. E. FABER, Colonel,
Chief Engineer.

No. 39. ORDER THEREON, No. 673; dated 9th April 1857.

With his proceedings recorded above, the Chief Engineer submits copy of a letter from Lieutenant Haig of the Upper Godavery Division, reporting that the Survey of the line of Canal from Doomgoodiem to Daverapilly, in connection with the proposed works at the Sinteral Barrier had been completed, and that the Surveyor, by whom he had been accompanied, had been directed to return to Rajahmundry. Lieutenant Haig was in hopes of submitting his plans and
Para. 2. estimates in a short time, and anticipated that the actual expenditure incurred, would be nearly covered by the sum sanctioned by Government.

2. Lieutenant Haig proceeds to say that he had expected to receive, before the date of
Para. 3. his present letter, the sanction of the Government of India to the plan proposed in his letter to the Chief Engineer of the 28th of June 1856, for removing the chief difficulties to the navigation of the Godavery at the Barriers of Sinteral and Enchampilly, and that the delay in the receipt of orders, and a difficulty he has experienced in procuring timber for the construction of the proposed tram ways, have induced him to consider whether he was not justified in acting at once on his own discretion, and in expending on the construction of two Locks, the 6,000 Rupees sanctioned in Extract from the Minutes of Consultation, dated the 29th of December 1856 No. 2128, for the purchase of the iron and timber required for the tram ways the construction of which formed part of the project recommended to the Government of India, by this Government on the 8th of December 1856.

After full consideration of the subject, Lieutenant Haig, believing it to be his duty to
Para 4. take upon himself the responsibility of immediate action, determined on doing so accordingly; and was, when he wrote, about to commence the construction of two locks, one of 6 feet lift at the lower part of the barrier, and another

of 10 feet at the mouth of the Doomgoodiem channel, both to be submerged in the floods, as a means of passing the Sinteral Barrier. Lieutenant Haig hopes to be able to construct these works for the sum of 6,000 Rupees, but requests that an additional sum of 2,000 Rupees may be sanctioned to provide for all contingencies, and the proposal is submitted by the Chief Engineer for the favorable consideration of Government.

3. The Government cannot give their sanction to Lieutenant Haig's proceedings; the plans proposed in his letter of the 28th of June 1856, have been submitted for the sanction of the Government of India, and the Government fear that the length of time which has passed without the receipt of a reply, must be held to shew that the recommendation of this Government has not met with approval. Independent therefore of the disapprobation with which the Right Honorable the Governor in Council must always view the anticipation of orders on a measure still under consideration, there are, in the circumstances of the present case, peculiar reasons for believing that LieutenantHaig's proceedings have been ill-judged.

4. The Chief Engineer is aware of the light in which the Government of India have lately viewed the sanction given by this Government to the execution of several important works as emergent, and it was peculiarly incumbent on him to have arrested the progress of the work now commenced by Lieutenant Haig, as soon as that Officer's intentions were communicated to him. The Government now direct that Colonel Faber will very strongly impress upon his whole Department, the great importance which the Government attach to a rigid adherence to orders in this respect, and their determination to visit with severity any instance which may hereafter be brought to their notice, of the commencement of any work which has not been sanctioned, excepting in cases of obvious emergency where delay would lead to the destruction or damage of any existing work.

5. But independent of the disapproval which the Government must express of Lieutenant Haig's conduct in commencing these works without their previous sanction, and expending on one work the money granted for another, they must also declare themselves but little satisfied that the works he now proposes are in themselves desirable. In his report on the Godavery dated the 3rd May 1856, Lieutenant Haig discussed the question of Locks to be submerged in floods, and in paras. 123 to 128 declared his opinion to be that there were decisive objections to them and although he now recommends them only as a temporary expedient, the Government feel that they would make application to the Government of India for sanction to an emergent Estimate under peculiar disadvantages, if the opinion of the Officer who prepared it had already been recorded against the work for which it was to be submitted.

6. Colonel Faber will at once issue orders to Lieutenant Haig to stop all works for which he has not received the sanction of this Government.

(Signed) H. FORBES,
Acting Secretary to Government.

For Orders

Public Works' Department No 630-

Extract from the Pro: Chief Engr. 27th March/57

It is meant providing that Supt Opium sich not so by him orders. & it sich be impossy Whoche same Servis Sample of the Sicks are to carefully overlooked.

Medy Byelsman to Sirik - that becomes he

makes a proposition - which is
supported by this Govt. that it
must unquestionably be sanctioned.
This is not a casual enclosure
but a part of a great delay
and which had already
happened since -

The work also stopped.

I send three papers on Gwalior
Nos. 1, 2, 3 three sheets

H

The Govt. of India should be
asked to favor this Govt. with
a decision on the proposal - by
Telegram - & also advise that
the work will be done immediately
or deferred till next year -

JG

The work for which sanction was applied
is so totally different from the one
they has now undertaken that
do not see how we can recommend
this one at all, especially after the
description of it given in paras 124,
127, 128 of his own report.

Sir J. may state in conclusion that he
can be quite reasonable about it & may
add probably he dare not ask Govt. to
further before the Chamber Chat, sanction until

M

the work cld be prematurely stopped & the Sec^y cannot to be so precipitate. JK

I have never rec^d a copy of Maj^r Hall's Report like to have one for myself JK

Public Works Dep^t

No. 673

Extract from the Minutes of Consultation

Under date the 9^th April 1857.

Read the following

Extract from the Proceed-

-ings of the Chief Engineer.

Here enter 27^th March 1857 No. 11328/

With his proceedings recorded above, the Chief Engineer submits copy of a letter from Lieutenant Haig of the Upper Godavery Division, reporting that the Survey of the line of Canal from Doom-goodiem to Daverapilly, in connection with the proposed works at the Sinteral barrier had been completed.

JK

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JK

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para 2

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para 3

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of

of December 1856 No. 2428 for the purchase of the iron and timber required for the tramways the construction of which formed part of the project recommended to the Govt. of India by this Govt. on the 8th of December 1856.

After full consideration of the subject Lieutenant Haig believing it to be his duty to take upon himself the responsibility of immediate action, determined on doing so accordingly, and was when he wrote, about to commence the construction of two locks, one of 6 feet lift at the lower part of the barriers, and another of

para. 4.

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The Chief Engineer is aware of the light in which the Government of India have lately viewed the sanction given by this Government to the execution of several important works as emergent, and it was peculiarly incumbent on him to have arrested the progress of the work now commenced by Lieutenant Haig as soon

soon as that Officer's intentions were communicated to him. The Govt now direct that Colonel Faber will very strongly impress upon his whole Department, the great importance which the Govt attach to a rigid adherence to orders in this respect, and their determination to visit with severity any instance which may hereafter be brought to their notice of the commencement of any work which has not been sanctioned, excepting in cases of obvious emergency where delay would lead

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and in paras 125 to 128
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decisive objections to them
and although he now
recommends them
only as a temporary
expedient; the Govt
feel that they would
make application to
the Govt of India for
sanctions to an emer-
-gent Estimate under
peculiar disadvantages,
if the opinion of the
Officer who prepared
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recorded against the
work

work for which it was
to be submitted.

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to stop all work for
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H.D.

1 Copy to the Chief Engr
Bombay &c.

Copy in a Letter to E.
of 3d Nov.r 1857 No. 18.

Public Works 1857 Deptt.
D.o to Cons 21st April
No. 673.

Extract Mins of Cons.
D.o 9th April 1857.

From the Chief Engineer D.o 19 June
1857 C. No. 1740 in 5 Encls.
Extract from the Pro. of the Chief
Engineer D.o 4th Augt. 57 C. No. 1570 in
C. 11 Encls.

No 38439.

Passing orders on a Lett.
from Lieutenant Haig, reporting
the completion of the Survey of the
line of Canal from Doonigoddum
to Dummapilly, and stating that
he has expended on the Construction
of two temporary Locks the Sum of Rs.
sanctioned in Govt. Mins. Cons. dated
the 29th December 56. in anticipation
of the sanction of government.

C. 8th April