1. Number of pages. 15
2. Date of repair. 2
3. Initials of Reference.

M.R.O. 1—82 400—21-11-30

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

Cons. 11-8-57

G.O. No. 1519 ~~Press~~ Mis.

9-10

Dated 5 — 8 — 18 57.

Not to be folded or roughly handled

Fort Saint George, Public Works Consultation of 11*th* August 1857.

No. 9. Read the following letter from Colonel C. E. FABER, Chief Engineer; to H. FORBES, Esq., Acting Secretary to Government, dated 9th July 1857, No. 1881.

SIR,

1. I have the honor to forward for the consideration of Government, copies of letters noted in the margin, from the District Engineer Godavery Division, together with a Sketch Map, and an Estimate of Rupees (19,740) nineteen thousand, seven hundred and forty for lengthening 3 Locks in the Junction Canal from Samulcottah to Coconada, and for turning the course of the river Yalairoo, between the town of Samulcottah, and the village of Venkataispooram.

No. 97, dated 17th February 1857.
„ 317, „ 17th June 1857.

2. The Locks as originally planned for the above Canal, were to be only 100 feet in length and it is now proposed to increase them to the standard of 150 feet, to assimilate them to the Locks in the Eastern Coast Canal, at the Kistnah Annicut, and Veraishweram, so that no interruption may be offered to the Canal communication between Madras and the Port of Cocanada.

3. The District Engineer observes, that it will be far easier and more economical to construct the Locks of the enlarged dimensions in the Junction Canal, than to construct new Locks in the Cocanada Canal itself, in lieu of the existing ones which are only 100 feet in length.

4. In the Estimate of Rupees (1,17,339) one lac, seventeen thousand, three hundred and thirty-nine, (Item No. 51 in statement No. 2 of Current Budget) sanctioned in Extract Minutes of Consultation No. 2109, dated 12th November 1856, provision was made for building an Aqueduct across the river Yalairoo, at a cost of Rupees 19,076-12-4.

5. By the arrangement now proposed, of turning the course of the river, and carrying it across the line of the Toonee Canal, to the South, instead of to the North of the junction, as shewn in the Sketch Map, the construction of the Aqueduct will be unnecessary, and the sum allowed for it will be nearly sufficient to cover the cost of turning the course of the river, and of lengthening the Locks.

6. The estimate now submitted, provides for.

	Rs.	A.	P.
Increasing the length of 1 double Lock, Rupees	7,630	11	1
Do. of 2 single Locks, @ Rupees 2,669-7-4 each	5,338	14	8
Excavating a new cut for the river Yalairoo	6,770	13	4
Total Rupees	19,740	7	4
Deduct cost of Aqueduct	19,076	12	4
Excess Rupees	663	10	9

which may be met from the sum of Rupees 10,667-0-8, allowed for Sundries and Superintendence in the original Estimate of Rupees 1,17,339, and it only remains for Government to determine, whether the proposed arrangements, which I beg strongly to advocate, are to be carried out.

No. 10. ORDER THEREON, No. 1519; dated 5th August 1857.

With this letter, the Chief Engineer forwards an estimate for lengthening three Locks in the junction Canal from Samulcottah to Cocanada from 100 to 150 feet, the standard fixed by Government in Extract Minutes Consultation of the 14th August 1855, No. 954 Revenue Department; as also for turning the course of the river Yalairoo between the town of Samulcottah and the village of Venkataispooram. The Locks were provided for in the estimate* for the Canal amounting to Rupees 1,17,339, and their enlargement is necessary to secure the free and uninterrupted navigation of boats all the way from Madras up to the Port of Cocanada. By the arrangement of turning the course of the Yalairoo the construction of an Aqueduct for the channel provided for in the estimate above referred to, will be rendered unnecessary. A saving of Rupees 19,077, the computed cost of the Aqueduct, will be effected by this latter measure, and the District Engineer proposes to appropriate the sum in carrying out the improvements to the Locks and which are estimated at Rupees 19,740; the small difference of Rupees 663 being

* Sanctioned in Extract Minutes Consultation of the 12th November 1856, No. 2109.

met, as suggested by the Chief Engineer, out of the amount allowed for superintendence and sundries in the large estimate.

2. The Right Honorable the Governor in Council approves of the works proposed by the District Engineer, and authorizes their being carried out after the present restriction on expenditure upon Public Works shall have been removed.

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

District Engr Office E. D.
17th February 1857.

No 97.

From

Captain F. H. Randall
District Engr E. D.

To

Colonel C. E. Faber
Chief Engineer D.P.W.
Fort St. George

Sir,

In the Estimate lately sanctioned for the Junction Canal from Samulcottah to Cocanada, the Size of the Locks was limited to 100 feet.

"Public"

2. Colonel Cotton has represented to me, that to make these Locks of this Size would be a most fundamental mistake, inasmuch as all the Locks in the Eastern Coast Canal, together with those at the Kistnah Annicut, and at Nellore warum, have been purposely constructed 150 feet in length. By making the Locks on the Junction Canal the same Size, Communication will be secured with the port of Cocanada all the way from Madras for Vessels of 150 feet in length, and as the Soundness of this view cannot be questioned, I would solicit permission to be allowed to increase the lengths of the Locks accordingly.

The

The additional expense thus entailed will be about 16,000 Rupees, but this will fairly be counterbalanced by an arrangement of the Canal by which the large aqueduct in it, amounting to Rupees 1,17,339-a--- is rendered unnecessary - To allow vessels to navigate all the distance from Madras to within 9 Miles of the Port of Cocanada, and to prevent their reaching it by Constructing Locks of inferior dimensions, would indeed be to commit a serious mistake - The Locks on the Cocanada Canal itself are only 100 feet, and as it would be far easier and more economical to Construct the Locks on the Junction Canal to the increased dimensions - than to build fresh Locks on the Cocanada Canal itself - I trust the Government will be pleased to accord the necessary permission for me with the least possible delay, as all is in readiness to prosecute the work vigorously -

I have &c.
(Sig.d) F.W. Rundall Captain
Distt. Engr. God. Lines

Distt. Engrs Office G.D.
Camp at Dowlaiweram
17th February 1857 -

No. 317.

Distt. Engrs Office G.D.
17th June 1857.

From Captain F.W. Rundall
Distt. Engr. G. Lines

To Colonel C. E. Faber
Chief Engr. D.P.W.

Sir,

With reference to your letter of the

5(a)

the 6th March last, No. 1072A. I have the honor to inform you, that the Amount of the whole Estimate was by mistake entered for that of the aqueduct only, the saving of which might be effected on the Samulcottah and Junction Canals. -

2d. I beg now to explain the arrangement by which such saving may be effected. It will be seen by a reference to the accompanying Plan, that the river Yalairoo Crosses the line of the Samulcottah and Tonee Canal at the Town of Samulcottah, and again the line of the Junction Canal about midway at a place called Venkatais-pooram, thereby apparently requiring the construction of an aqueduct for each Canal - It does not however appear to have occurred to the projecting Officer, that the Course of the River itself might be turned - and instead of Crossing the line of the Tonee Canal to the North of the Junction - it might be carried to the Southward of it and discharged into its Old bed at Venkatais-pooram - How easily this may be effected will immediately be apparent by a glance at the Sketch. - The aqueduct estimated for at Venkatais-pooram will no longer be required, and the amount of its Cost, Nineteen thousand Rupees will suffice to turn the Course of the River, and defray the expences of increasing the lengths of the Locks - As detailed

*Dispatched per Dangling

Rupees 19,076-12-4.

detailed Estimate for which accompanies this agreeably to the Orders conveyed in your letter. —

Amounting to Rs 19740-7-1.

Rajahmundry Distt —
Camp at Dowlaiswaram —
17th June 1857. —

Thos Pia
Lieut T. H. Pundall 2d Captain
Distt Engr G. Division

[True Copies]

H. Cotton Colonel
Chief Engineer

Central Office of P.W.
Fort St George, 9th July 1857.

No 1881.

9w

From The Chief Engineer

To

The Secretary to Government

P.W. Department

Sir,

Rec'd 17 July 57
No 317 — 15 June 57

Godavery & Canals

I have the honor to forward for the consideration of Government, copies of letters noted in the margin, from the District Engineer Godavery Division, together with a Sketch Map, and an Estimate of Rupees (19,740) Nineteen thousand seven hundred and forty, for lengthening 3 Locks on the Junction Canal from Samulcottah to Cocanada, and for turning the course of the river Galairon between the town of Samulcottah, and the Village of Venkatairpooram.

2.— The Locks as originally planned for the above Canal, were to be only 100 feet in length, and it is now proposed to increase them to the standard of 150 feet, to assimilate them to the Locks on the Eastern Coast Canal, at the Nestiah Canal, and Veranasheveram, so that no interruption may be offered to the Canal Communication between Madras and the Port of Cocanada.—

3.— The District Engineer observes, that it will be far easier and more economical

3 Enclosures
1 Letter from D.E. dated 17 July 57 No 27
1 Do. dated 17 June 57 No 27
1 Estimate
1 Plan

Dated Fort St George
the 9th July 1857.

Chief Engineer

Extract of letter from Chief Engr. to D.E. for Godavery dated 15th June 1857.

Collect Rs 19,740 for lengthening 3 Locks on the Junction Canal, Samulcottah to Cocanada, and for turning the course of the river Galairon for passing the Canal, & for turning the Village of Venkatairpooram.

economical to construct the Locks of the enlarged dimensions in the junction Canal, than to construct new Locks in the Cocconada Canal itself, in lieu of the existing ones which are only 100 feet in length.

4.- In the Estimate of Rupees (117339) One Lac, seventeen thousand, three hundred and thirty nine: (item No: 51 in Statement No: 2 of Current Budget) sanctioned in Extract Minutes of Consultation No: 2109, dated 12 November 1836, provision was made for building an aqueduct across the river Galairoo, at a cost of Rupees 19076-12-4.

5.- By the arrangement now proposed, of turning the course of the river and carrying it across the line of the Canal to the South, instead of to the North of the junction, as shewn in the sketch Map, the construction of the Aqueduct will be unnecessary, and the sum allowed for it will be nearly sufficient to cover the cost of turning the course of the river, and of lengthening the Locks.

6.- The Estimate now submitted provides for.

Increasing the length of 1 double Lock	Rs 711-11-1
Do. of 2 single Locks @ Rs 2669-7-4 @	5338-14-8
Excavating a new cut for the river Galairoo	6770-13-4
Total Rupees	19740-7-1
Deduct cost of Aqueduct	19076-12-4
Excess Rs	663-10-9

which may be met from the sum of Rupees 663-10-8 allowed for Sundries and Superintendence in the Original Estimate of Rupees 117339. and it only remains for Government to determine whether the proposed arrangements, which I beg strongly to advocate, are to be carried out:-

I have the honor to be
Sir
Your most obed.t Servant

Central Offices of P.W.
Fort St George
9 July 1837.

Chief Engineer

A. Lyt. Engrs. A. C.

Vol 18. Nos 56 Nos 1-2.

Pub. Works 1857. Default
Dr to Consd. Estimates
No. 1404.

From
The Chief Engineer
To The Secretary to Government
Rly Department

Dated 9th
Recd 11th May 1857.

3 Encls
2 do Returned

No. 1881.
C. E. No. 1519. 8th May.

Proposes to increase the
length of the docks from 100
to 150 feet in the Junction
Canal from Sannikollah
to Cocanada and to turn the
course of the river Yalairu
between the Town of Sannikollah
and the Village of
Venkatairayapuram.

No 3.

C 31st July Ridley

and the village of Venkatasiporam. The Locks were provided for in the Estimate for the Canal amtg. to Rs 11,339, and their enlargement is necessary to secure the free and uninterrupted navigation of boats all the way from Madras up to the Port of Cocanada. By the alteration arrangement of turning the course of the Galairo the construction of an Aqueduct for the Channel provided for in the Estimate above referred to will be rendered unnecessary. A saving of Rs 1907 the computed cost of the Aqueduct will be effected by this latter measure and the District Engr proposes to appropriate the sum in carrying out the improvements to the Locks in question,

and

× Sanctioned in Sec.t of the 12 Nov.r 1856 No 2,109.

150

and which are estimated at Rs 19740; the small difference of Rs 663 being met, as suggested by the Chief Engineer, out of the Amount allowed for Superintendence and Sundries in the large Estimate.

The B. of R. & the Govt will approve of the works proposed by the District Engineer, and authorize them being carried out after the present Season on an expenditure upon Public Works shall have been removed.

9 Copies to the Chief Engr. with 2 Encls. Dispt 6

Public Works 1857 Dec 11th

Dec to Com 11th August

No 1519.

Extract Minutes of Com.

Dy 5th August 1857.

Authorizing the Lengthening of the 3 Locks on the Junction Canal from Samuel Catlake to Cocoanada and also directing the lining of the Sides of the Locks between the Locks of Samuel Catlake and Vencatareddypooram being carried out after the present construction on approved lines is completed.

1st Gold.

C31 Tidy Utility