

(1) Number of pages 10
 (2) Date of repair _____
 (3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public works DEPARTMENT.

G.O. No. <u>2642</u>	Press Mis-
<u>73-74</u>	
Dated <u>4. 11.</u> 18 <u>82</u>	

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
4th November 1862.*

No. 73. Read the following letter from Lieutenant-Colonel S. O. E. LUDLOW, R. E., Deputy Chief Engineer, Northern Circle, to Colonel W. I. BIRDWOOD, R. E., Secretary to Government, Public Works Department, dated Chepauk, 23rd October 1862, No. 499/G 476:—

SIR,

1. I have the honor to forward a revised estimate received from the District Engineer Godavery, amounting to 85,380 Rupees, for building two Locks and Calingulahs in the Akeed Canal and embanking the Wayairoo, the objects of the project being, first, to complete the line of navigation between the Godavery and the Oopalair, connecting it with the Salt Pans at Buntomillay and the Colar Lake; second, to perfect the irrigation of lands as yet partially supplied, and bring an additional quantity of about 25,000 acres of land under irrigation.

2. The original estimate for this project amounting to 64,820 Rupees received the sanction of the Government of India so far back as 1857, but its execution was postponed for the want of funds, but the great alteration which has since taken place in the rates of labor and prices of material has rendered a revision of the estimate in this respect necessary and the amount according to existing rates is 85,380 Rupees.

3. The District Engineer in 1859, calculated that at least 25,000 additional acres would be irrigated if these works were constructed, exclusive of the advantage gained by the more perfect irrigation of existing Nungay, and the Collector of the District now urges the completion of the works "as the truest economy," adding that "they fall exclusively under the head of 're-productive works.'"

4. I fully concur with these Officers as to the advisability of the early execution of these works, and would go even further than the District Engineer and recommend that the project should be carried out in a single season (which I can see no difficulty in doing) so that the benefits arising from it may be realized one year sooner. This one year's profits will nearly cover the whole cost of the works.

5. The District Engineer proposes to make his Locks 150 feet long. I can see no necessity for this as other Locks on the same line have a length of 100 feet only. Reducing the chambers of both Locks by 50 feet will lower the estimate by 5,260 Rupees thus making the cost of the project Rupees 80,120.

6. I now beg to solicit the sanction of Government to this revised estimate of 80,120 Rupees, and their permission to enter the whole work in the Budget for execution during the year 1863-64.

No. 74. ORDER THEREON, 4th November 1862, No. 2,642.

1. The importance of the work referred to in the foregoing letter having been already recognized both by the Local and Supreme Governments, authority is granted for entering in the Budget of 1863-64 the revised estimate for the same, amounting to Rupees 80,120.

2. The amount to be apportioned in the Budget for expenditure on the above work next year must be regulated with reference to the provision which it may be necessary to make for other works of importance, and will be determined therefore when the Budget is being prepared.

(Signed) W. I. BIRDWOOD, Colonel, R. E.,
Secretary to Government.

29/10/62
307/6
11/11

Service Estimate No. of 1863/64
 Godavari District

Work - Constructing 2 Locks and Culigulaks in the Akud
 Canal

Particulars of Works Price per Amount Total

Lock at Yalupound

3216-247	Rough stone in Chumam	Cy 4	4	10450 1/2
40-24	Sp. & work brick	5	6	207 7 1/2
287 1/2	Cut stone in Chumam	12	0	2906 1/2
397-2	Quoin and sill stone	14	0	3529 5/8
25-5	Quoin and sill stone			2000
	Gate			2500
	Brick			2200
	Excavating foundation and filling in			2587 1/2
	Contingencies			2407 1/2

Culigulak at Yalupound

567-94	Rough stone in Chumam	4	4	2419 1/3
18-20 1/2	Cut stone in	18	0	8251-9
1/4	Cast iron posts	20	0	80
6	Shutters	7	0	42
sq. ft	Brick	7	0	329
47	Sp. & work	Cy 2	0	4447
22-26	Rough stone work			200
	Excavating foundation and filling in			2587 1/2
	Brick			2200
	Contingencies			2407 1/2

Low Lift Lock at Chumaparam

751-14	Rough stone in Chumam	Cy 4	4	3108 15 3
57-11	Cut stone in	12	0	688 14 2
29-21	Quoin and sill stone in Chumam	14	0	416 1/3
168 1/2	Quoin and sill stone	2	0	735 1/2
739-203	Rough stone work			4477 5/8

Carried forward 561 1/2 5288 1/2

1881
N^o 439

No alterations have been
made in the plans originally
presented to Sanctioned
at East of India, and
entirely as fresh plans are
now forwarded. Only the
two have been revised
the quantities remain
same.

Harvard
A. D. 1868

about 25,000 acres of land under irrigation.

2. The original Estimate for this project amounting to 64,820 Rupees received the sanction of the Government of India so far back as 1857, but its execution was postponed for the want

Brought forward	3151	5	5
Excavating foundations	5694	3	8
Gates	150		
Baling	500		
Contingencies	2000		
	300		
	8694	3	8
	869	12	4
	9564		

Calingula by at Chinua -
- Capararum

C. 27 th 319-14	Long stone in Chumam	C. 27 th	4 4	1357 15 3
28 ² / ₃	(Cut stone in — or —)		12	344
16-10	Long stone in —		2	333 5 4
3	Iron posts		20	60
30	S. huller's	R. 3		90
	Baling			200
	Excavation and filling in			200
30	Bridg	R. 7		210
	Contingencies			2795 4 7
				374 11 5 3070
C. 27 th 687-20	Embarkment from Yalupang			10357 14 9 4
	P. China as a for arms	C. 27 th		
	Contingencies			3575 6 8 37285
	Total Estimated Surplus			80120 85380

Total Estimated Surplus — ⁸⁰¹⁵⁰ 85380

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Engineer's office }
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etc etc etc } Paraci District Engineer Godanes.

Brought forward	3151
Excavating foundations	5694
Gates	158
Baling	500
Contingencies	8694
	8694

No 439 of 23 Oct 1862

Received on 26th Nov 1862

Godavery

Do by Chief Engineer

Received 26th Nov 1862

17th 2199/62

Received 26th Nov 1862

Godavery

North - Conducing 90

100 ft on 3rd Aug 1862

Amount of Estimate 8694

Contingencies	3574 6
Total Estimate Rupees	

Godavery District
Engineer's Office
P. Chinnappa

[Signature]

N^o 439

Northern Circle Office
Chepauk 23 October 1862.

From,
Lieutenant Colonel J. O. E. Ludlow R. E.
Deputy Chief Engineer N. C.
To,
Colonel W. S. Birdwood R. E.
Secretary to Government P. W. D.

1. Col. 1862
2. 1862
3. 1862

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The original Estimate for this project amounting to 64,820 Rupees received the sanction of the Government of India so far back as 1857, but its execution was postponed for the want

want of funds, but the great alteration which has since taken place in the rates of labor and prices of material has rendered a revision of the Estimate in this respect necessary and the amount according to existing rates is 85,380 Rupees.

3. The District Engineer in 1857 calculated that at least 25,000 additional acres would be irrigated, if these works were constructed, exclusive of the advantage gained by the more perfect irrigation of existing Mungay and the Collector of the District now urges the completion of the works "as the truest economy" adding that "they fall exclusively under the head of reproductive works."

4. I fully concur with these Officers as to the advisability of the early execution of these works and would go even further than the District Engineer and recommend that the project should be carried out in a single season (which I can see no difficulty in doing) so that the benefits arising from it may be realized one year sooner. This one year's profits will nearly cover the whole cost of the works.

5. The District Engineer proposes to make his Locks 150 feet long.

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I can see no necessity for this as other locks on the same line have a length of 100 feet only. Reducing the Chambers of both Locks by 50 feet will lower the Estimate by 5,260 Rupees thus making the cost of the Project Rupees 80,120.

b. I now beg to solicit the sanction of Government to this revised Estimate of 80,120 Rupees and their permission to enter the whole work in the Budget for execution during the year 1863/64.

I have the honor to be
Sir,

M. C. Office -
Sept. 23 October 1862

Your Most Obedient Servant

J. R. Madan Lt. Col. R. E.

Deputy Chief Engineer M. C.

To,
Colonel W. S. Birdwood R. E.
Secretary to Government P. M. D.

E. J. B. B. B.

On 8th January 1899 at 3.34 PM
 at 11 AM 1899 - 9-10
 at 6 January 1899 - 9 PM 94

At 11 PM 1899 at 3.34 PM
 at 11 AM 1899 - 9-10
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