M.R.O. 1—77,006—8-6-31.

(1) Number of pages 10

(2) Date of repair 3-5-43

(3) Initials of the Referencer

MADRAS RECORD OFFICE.

Government of Madras.

Public works **DEPARTMENT.**

G.O. No. 3010 Press / Mis. —

673-674

Dated 27. 9. 1867.

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department,
27th September 1867.

No. 673. Read the following letter from the Acting Superintending Engineer, 1st Division, to the Secretary to Government, Public Works Department, dated Camp at Dowlaishweram, 16th September 1867, No. 129:—

1 Sketch.
1 Survey.
1 Level.
2 Plans of Masonry works.
1 Abstract Estimate.
1 Specification.

Plans despatched by Banghy.

1. I have the honor to forward plans and estimates, amounting to Rupees 16,760, for an irrigation channel, head sluice, and surplus discharge weir commencing up the 9th mile stone, Ellore canal, or one mile below Nundamoor aqueduct and terminating at the first drainage that crosses the Main canal, thus giving a total length of channels of 12 miles 250 yards.

2. The land to be irrigated is 10,000 acres, and the sluice and head of the channel are calculated to discharge 20,000 cubic yards of water per hour.

3. A considerable portion of the land thus proposed to be irrigated is already irrigated by means of open cuts, or rudely constructed wooden sluices in the Main canal bank, whereby breaches are caused, and, moreover, from our not having proper control over the water in the first twelve miles, both the irrigation and navigation of the lower portion of the Ellore canal is injuriously affected.

4. By taking off a large quantity of water a little distance below the aqueduct, there will be a much larger discharge of water over the aqueduct, and much more land will be irrigated from the last ten miles of the canal, under which there is still a vast extent of waste land bordering the Colair, so that if taking a very low estimate of only 5,000 extra acres being irrigated, the gain by water-rate will be 20,000 Rupees, and by land Cist at 2 Rupees per acre, 10,000 Rupees or 179 per cent. on the outlay.

5. All the land capable of irrigation between the proposed channel and Main canal will be irrigated from small sluices or iron pipes in the Main canal bank, and these can be built from the sanctioned grant of Rupees 6,342 allowed for minor irrigation works from the Ellore canal.

6. If sanction is acceded for the execution of this important work, it can be commenced at once and completed before next irrigation season. I do not consider that funds need be specially allotted, as the allotment for the district is already very large, perhaps more than we shall be well able to get through.

No. 674. ORDER THEREON, 27th September 1867, No. 3,010.

IRRIGATION, No. 31.

As the works referred to in this letter promise to be highly remunerative, the Governor in Council sanctions the estimate of Rupees 16,760 submitted by the Superintending Engineer of the 1st

Carried Over 997 15 1 15,630

Proceedings of the Madras Government, Public Works Department, 27th September 1867.

Division, and authorizes the immediate commencement of operations from the funds specially allotted in the current year's Budget for "Minor Irrigation Works from the Ellore canal."

(True Extract.)
(Signed) J. H. M. SHAW STEWART, Major, R. E.,
Under Secretary to Government.

To the Superintending Engineer, 1st Division, with one specification.
,, Accountant General.
,, Controller of Public Works Accounts.
,, Revenue Department.

Erd. S. T. Augustin.

DEPARTMENT — NEW WORK.

ABSTRACT ESTIMATE No. 1867.18

TALUQ

DISTRICT Godavery.

WORK. Excavating an Irrigation Channel from South bank of Ellore Canal opposite 9th Mile Stone, to terminate at Basumpoody Drainage

Quantity or Number.	Description of Work.	Rate.	Per Item.	Amount.	Total.
2,36,972	Cyds Earth work	1	Cyd	14810 12 3	
	Contingencies	5 %	Rt	739 3 9	
					15550
	Calingalah at End of proposed Channel				
8½	Cyds Roughstone in Chunam	4	Cyd	34	
21	Cyds Large loose stone to be packed to rear Apron	1 8	Do	31 8	
2¾	Cft. Teakwood Shutters	3	Cft	8 4	
	Excavating foundations &c	—	—	2 4	
	Contingencies	5 %	Rt	4	
					80
	Head Sluice				
29 12/54	Cyds Concrete work	2 8	Cyd	73 4 7	
52 23/27	Do Roughstone in Chunam	4	Do	211 6 6	
69	Do Faced Rubble Stone in Do	6	Do	414	
13 1/6	Do Brick in Chunam	3 12	Do	49 6	
13	Sqrs Plastering 2 Coats Chunam	2 12	Sqr	33 12	
9 23/27	Cyds Cutstone in Chunam	8	Cyd	78 13	
340	Rft Cornice work	2	Rft	42 8	
3	Stone beams for Shutters 6×9×1	6	Each	18	
1	Cast Iron post 3·9×4×4.			25	
3 3/6	Cft. Teakwood Shutters	3 8	Cft.	11 13	
	Filling over Arch for Road way and in Wings &c			20	
	Excavating foundations &c			20	
	Carried Over			997 15 1	15630

	Brought Over			997	15	1563 "
18	Cyds Revetting channel bank	18	Cyd	27	"	
30	Cyds Large loadstone to be well packed to rear Aprons	18	Cyd	45	"	
	Contingencies	5	Pct	60	11	
						1130 "
	Grand Total Estimate Rupees					1676 "

Supdg Engr's Office R Bn
Camp Dowlaishwaram
16th September 1867

J. Berkley Capts R.E.
Actg Superintending Engr R Bn

Passed
Collector

Exhibit

Sup[t]. Eng[r]. Office 1st D.
Camp Dowlaishwaram
16th September 1867.

No. 129.

From,

Captain T. Beckley R.E.
Ag. Supt. Engineer 1st D.

To,

Colonel C. A. Orr R.E.
Secretary to Government P.W.D.

Enclos[s]
7.
1 Sketch.
1 Survey.
1 Level
2 Plans of Masonry works.
1 Abstr[t] Estimate.
1 Specification.
7.

Sir,

I have the honor to forward plans and estimates amounting to Rs. 16,760-- for an irrigation Channel Head sluice and surplus discharge weir commencing up the 9th Mile stone, Ellore Canal, or one mile below Rundannir Aqueduct and terminating at the first drainage that crosses the Main Canal. Thus giving a total length of Channel of 12 Miles 250. yards.

2. The land to be irrigated is 10,000 acres, and the sluice and head of the Channel are calculated to discharge 20,000 Cubic yards of water per hour.

3. A considerable portion of the land thus proposed to be irrigated is

Clauses 1st & 4th complied with.

Enclosures as detailed in Letter No. 129 dated 16th September 1867.

Recorded

Lieutenant Beckley
for Executive Engineer and
Superintending Engineer
from North Bank of
Ellore canal to Gunte
9th Mile stone & terminat
at Bezwada Anicut
Estimate Cubic Yds. 16,760

is already irrigated by means of open cuts or rudely constructed wooden sluices in the Main Canal bank- whereby breaches are caused and moreover from our not having proper Control over the water in the first twelve miles, both the irrigation and Navigation of the lower portion of the Ellore Canal is injuriously affected-

4. By taking off a large quantity of water a little distance below the Aqueduct there will be a much larger discharge of water over the Aqueduct & much more land will be irrigated from the last 10 Miles of the Canal under which there is still a vast extent of waste land bordering the Colair so that if taking a very low estimate of only 5000 extra acres being irrigated the gain by water rate will be 20,000 Rs and by land cist at 2 Rs per acre 10,000 Rs or 179 per cent on the outlay.

5. All the land capable of irrigation between the proposed Ch. and the Main Canal will be irrigated from

from small sluices or iron pipes in the Main Canal bank. and these can be built from the sanctioned grant of Rs 6,342 — allowed for Minor irrigation works from the Ellore Canal-

6. If sanction is acceded for the execution of this important work, it can be commenced at once and completed before next irrigation season. I do not consider that funds need be specially allotted as the allotment for the District is already very large perhaps more than we shall be well able to get through-

I have &c &c

J. Pinkney Capt R.E.
Actg Supt Eng 2nd D

Pro: of Govt. to dispatch
No 3013.
from
the Actg Supy Engr
Presidency

To The Secy to Govt
PWD

Dated 16 September 1867
Supy Do 1-8
No 23. 5-8

Encls
Forwards for sanction
plans and Estimate Amy
Rs 16780 for an Irrigation
Chl. Head Sluice, and
Surplus escape
weir on Ellore Canal
Godavery District

No 3010 - 27th Septr 1867

Write me Rules

Ch. 673-674

3010

No 3010.

As the works referred
to in this letter promise to
be highly remunerative, the
Governor in Council sanc-
tions the estimate of Rs 16780
submitted by the Supy Engineer
of the 1st Dn, and authorizes
the immediate commencement
of operations from the funds
specially allotted in the current
year's budget for "Minor Irri-
gation works from the Ellore
Canal"

Fort St George
27th September 1867

40

Dispd 30/9/67