5.7.30. III

Public Works (1897) Departm

G.O., No. 312-3 I

DATED 23. March 1897

4/3/7

[Despatch Abstract.]

Murukarai dam. Estimate of Rs. 4,060 for improving the — across the Panguni Channel Cauvery Delta System sanctioned and a copy of the Pros: ordered to be forwarded to the Govt of India.

Murukarai dam. Forwarding Pros: sanctioning an estimate of Rs. 4,060 for improving the — across the Panguni Channel, Cauvery Delta System.

[P. W. 26/ 1,500—30-11-96.]

T.C. 23.3

Indexed 28/8/97

BACK PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

IRRIGATION.
ACCOUNT.

Government {1897} of Madras.

PUBLIC WORKS.

Recd. } 1897.
Regd. }

Enclosures
Spare copies

G.O., Nos. 312, 313 I., 23rd March 1897.

MARCH.

Murukarai Dam

Forwarding Proceedings sanctioning an estimate of Rs. 4,060 for improving the — across the Panguni channel, Cauvery delta system.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

Read—the following papers:—

From Lieutenant-Colonel O. V. BODDY, R.E., Superintending Engineer, VI Circle, to the Chief Engineer for Irrigation, dated Trichinopoly, 12th February 1897, No. 285 T.C.

I have the honour to forward, for sanction, an estimate amounting to Rs. 3,300 for the improvements to Murukarai dam situated across Panguni channel at 16 miles and 2,120 feet from Upper anicut.

2. This dam commands an area of 279 acres of wet lands on the right side of the channel and yields a revenue of Rs. 1,768.

3. The dam is in good order but requires a water cushion, in order to check the scour formed in rear of the dam which is reported to be increasing every year. This the estimate provides for, also for rebuilding a portion of the left wing which is reported to have been badly cracked and in an unsafe condition in consequence of the scour. The other minor items call for no special remarks as they are explained in the report attached to the estimate.

4. The rate, viz., Rs. 12, for dry rubble work in revetment, &c., is rather high owing to the distance the stone has to be carted; data is submitted.

5. The Collector of the district has countersigned the estimate which is recommended for sanction.

Enclosure.

Report to accompany the estimate for improving Murukarai dam, Panguni channel, 16 miles 2,120 feet.

	RS.
Amount of estimate	3,300

This is an important masonry dam across Panguni channel and three miles above Tirumangalam dam for the irrigation of the wet lands on the right side of the channel. It is 101 feet long and 66 feet wide between the wings and has four vents in the middle, each 4 feet, acting as sand vents and provided with needle shutters for easy regulation. Owing to the heavy fall the scour in rear is increasing every year and the left rear return is fully cracked and about to fall down.

2. An estimate for Rs. 50 was sanctioned (*vide* Reg. No. 117 of 1894–95) for protecting the left rear return with a buttress wall. This was not done last working season as it was considered not sufficient to protect the heavy masonry work; hence the estimate may be cancelled. It is quite necessary to rebuild this return with a portion of the wing; modussal works attempted in rear to stop the erosion are washed away by the current.

3. It is therefore proposed to provide masonry toe walls on either side for a length of 100 feet with their ends pressed sufficiently so as to form proper earth connections and to form banks over to the required height.

4. It is also proposed to pack apron 8 feet wide close to the toe wall and in rear of dam and to protect it from slipping down with piles driven 5 feet apart and waling pieces.

5. The accretion in rear which is obstructing the straight course of the channel and causing danger to the masonry will be removed and the spoil deposited neatly in layers on the left side and sectioned.

6. The left bank above the dam being low, will be raised for a distance of 200 feet to + 53·0 * to a top width of 4 feet 6 inches and side slopes 1½ to 1.

---

* B.M. No. 28 close by taken as + 50·00.

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7. The left rear return will be dismantled up to the cracked portion in the wing and rebuilt as per section shown in the plan.

8. The leakages in the side walls of sand vents will be examined and necessary repairs done.

(Signed) T. SUBRAHMANIYA AIYAR,
Sub-Divisional Officer.

19th February 1896.

No. 70 I.

Submitted to Government. The work for which provision is made in the estimate is the only way to deal with the dam.

(Signed) W. HUGHES,
Chief Engineer for Irrigation.

18th March 1897.

Order—No. 312 I., dated 23rd March 1897.

The following estimate is sanctioned:—

Capital Expenditure not charged to Revenue.
49. Irrigation.
Cauvery Delta System.
Open Capital Account.
3. Distributaries.
3. Works.
Unremunerative Work.
Improving the Murukarai dam across the Panguni Channel.

	RS.
I. Works	3,300
II. Establishment	759
III. Tools and plant	1
Total estimate ...	4,060

2. This sanction is registered as No. 209 I. of 1896–97 and will expire on the 31st March 1899.

3. Ordered that a copy of these Proceedings be forwarded to the Government of India for information.

[Here enter No. 313 I., dated 23rd March 1897.]

(True Extract.)

(Signed) W. HUGHES,
Joint Secy. to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.
" Superintending Engineer, VI Circle, with six enclosures.
" Examiner, Public Works Accounts.

Endorsement—No. 313 I., dated 23rd March 1897.

Forwarded.

(By order.)

(Signed) W. HUGHES,
Joint Secy. to Government,
Irrigation Branch.

Exd. T. K. Narayana Aiyangar.

Estimate for improving the Murukarai dam across the Pangunni channel

H.E.

X

Sr No. S.E. VI

No. 312 I of 23.3.97

PUBLIC WORKS DEPARTMENT,

IRRIGATION BRANCH.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the

READ the following

From Supg Engr, VI Circle, No. 288 T.C. of 12.2.97

No. 70 I of (18.3.97)

3 P

Submitted to Govt ~~The work for which~~ ~~with the remark~~ that ~~the~~ provision is made in the estimate is the only way to deal with the ~~work~~ dam.

Should not this be "The work for "which provision is made in "the estimate is the only way to d"?

A.S.H. W.H.

Order thereon.

The following estimate is sanctioned:—

A.S.H. 19.3.97

Capital Expenditure not charged to Revenue.

49. Irrigation

Cauvery Delta System

Open Capital Account

3. Distributaries

3. Works.

Unremunerative work.

Improving the Murukarai dam across the Pangunni channel.

D.D.

20/3/97

Issue

W.H. 20.3.97

Please approve pencil alterations in endorsement

Approved

		Rs.
I.	Works . .	3300
II.	Establishment .	759
III.	Tools & Plant .	1
	Total Estimate	4060

2. This sanction is registered as No. 209 I of 1896-97 & will expire on the 31 March /99.

3. Ordered that a copy of these Proc: be forwarded to the Govt of India for information.

Indorsement No. 313 I of 23.3.97

Forwarded.

W.H.
18/3

To
The Chief Engr for I. 1.
Supg Engr VI with copy with 6 enclos.
Ex. E[illegible]

3/4/7 Q 24/3/97

7. E. 9. 20/3/97

Regd. 23/3/97

LCES 23/3/97

LCES
18/3/97

E. I. Form No. 1—1,000—2-2-97.

Public Works (1897) Department.

~~[illegible]~~

~~CURRENT No.~~ ~~9 T.C.~~

2933

Order

From
The Supg Engineer
VI Circle

No. 285 T.C.

Dated 12. Feby 1897
Received 20-3-97
Enclosures ~~4.~~ 8 - [illegible] 3 plans
Spare copies

SUBJECT.

Murukarai Dam across Panguny Channel.—

Submitting for sanction an Estimate of Rs 8300 for improvements to — in the Trichinopoly Dn.—

BACK PAPERS.

No.	Date.

FURTHER PAPERS.

No.	Date.

OFFICE OF THE SUPERINTENDING ENGINEER,
6TH CIRCLE,

No. 285 J.C

18

Trichinopoly, 12th February 1897.

0/132

From Lt Col. C. V. Boddy R.E.
~~The~~ Sperintending Engineer,
6th Circle.

To

The Chief Engineer,
for Irrigation

SIR,

ENCLOSURES. 4
Survey
Plan of dam as existing
& shewing impts
Estimate with report, data
& complete

I have the honor to forward for sanction an estimate amounting to Rs 3,300 for the improvements to Muzukarai Dam situated across Pangunny channel at 16 miles & 2120 feet from Upper anicut.

2. This dam commands an area of 279 acres of wet lands on the right side of the channel & yields a revenue of Rs 1,768.

3. The dam is in good order but requires a water cushion, in order to check the scour formed in rear of the dam which is reported to be increasing every year. This the estimate provides for, also for re-building a portion of the left

500—20-1-97

wing which is reported to have been badly cracked and in an unsafe condition in consequence of the scour. The other minor items call for no special remarks as they are explained in the report attached to the estimate.

4. The rate - viz Rs 12 - for dry rubble work in revetment &ca is rather high owing to the distance the stone has to be carted; data is submitted.

5. The Collector of the District has countersigned the estimate which is recommended for sanction.

I have the honor to be
Sir,
Your most obedt. Servant,

J. T. Woodley Lt Col. R.E.
Supdg Engineer, III Circle

CHIEF ENGINEER
FOR IRRIGATION
11 [illegible] 97
No. G. I. C

ee 8
P.W. 2433/97

Report to accompany the Estimate for Improving Murukparai Dam Panguni Channel - 16 m - 2120 ft.

Amount of Estimate Rs ~~2450~~ ~~2400~~ 3300

Enclo = 4
Masonry plans
Estimate with report 3
Sanctioned estimate [illegible]

& 97 a/c and to plan

+ Rupees

This is an important masonry dam across Panguni Channel & 3 miles above Tirumangalam Dam for the irrigation of the wet lands on the right side of the channel - It is 101 ft long & 66 ft wide between the wings & has four vents in the middle each 5 ft acting as sand vents & provided with needle shutters for easy regulation - Owing to the heavy fall the scour in rear is increasing every year and the left rear return is fully cracked and about to fall down.

2. An Estimate for Rs 50 was sanctioned vide Rs No 117/94/95 for protecting the left rear return with a buttress wall. This was not done last working season as it was considered not sufficient to protect the heavy masonry work. However the Estimate may be cancelled. It is quite necessary to rebuild this return with a portion of the wing; Individual works attempted in rear to stop the erosion are washed away by the current.

3. It is therefore proposed to provide masonry toe walls on either side for a length of 100 ft with their ends curved sufficiently so as to form proper earth connections and to form banks over to the required height.

4. It is also proposed to pack apron 8' wide close to the toe wall & in rear of Dam & to protect it from slipping down with piles driven 5 ft. to 6 apart and waling pieces -

5. The accretion in rear which is obstructing the straight course of the channel & causing danger to the masonry will be removed and the spoil deposited neatly in layers on the left side and sectioned -

CHIEF ENGINEER
FOR IRRIGATION.
1[illegible] FEB. 97
No. G.T.C.
6

6 The left bank above the Dam being low will be raised for a distance of 200 ft. to + 53.0 × to a top width of 4'-6" and side slopes 1½ to 1 -

× BM no 28 · duly taken as + 50.00

7. The left rear return will be dismantled up to the cracked portion in the wing & rebuilt as per section shown in the plan -

8. The leakages in the side walls of sand vents will be examined and necessary repairs done

This was done
[illegible]
17.4.96

ex. 6
P.W. 2933(97)

S. Subramanya Aiyar
SDO
19.2.96

S. V. Sankara Aiyar
Accountant
for Exe. Engr. Trichy Divn.
" 28/2/96