Public Works (1896) Department.

G.O., No. 224 I

DATED 4—3—96

[Despatch Abstract.]

Tank: Estimate of Rs 10,300 for improving Royalcheruvu —, Anantapur Dt, Sanctioned.

[P.W. 33
1,000 23 10 95]

BACK PAPERS.

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

FURTHER PAPERS.

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

No. 224 I., 4th March 1896.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

Read—the following papers :—

From Colonel A. T. FRASER, R.E., Superintending Engineer, III Circle, to the Chief Engineer for Irrigation, dated Bellary, 30th July 1894, No. 1111.

I have the honour to forward plans and estimate, amounting to Rs. 4,930, for closing the breach in the Royalcheruvu tank, Anantapur district, and clearing rock at the end of the weir for 10 feet distance to extend it.

2. This tank was repaired in June 1892 by an estimate sanctioned in G.O. No. 663 I., dated 14th November 1890, but no sooner finished than again breached, the water turning the end of the weir.

3. The latter is an elaborate work and in an almost intact condition—see the photograph sent from this office last year.

4. The cause of the tank breaching seems to be that it is much silted, and the large body of water pouring in fills it up suddenly, and wets the embankment that has been dry, perhaps for months.

5. With the masonry counterfort estimated for and extra care in filling the breach, this, it is expected, will not re-open.

Memo. No. III/5 A.N.

The undersigned has the honour to return herewith the plans and estimates for closing a breach in Royalcheruvu tank and to request the Superintending Engineer to personally inspect the tank and submit plans and estimates for its repair in a substantial way.

2. The rear concrete apron should be faced with 1′ 0″ of cement concrete to prevent its being again damaged.

3. So far as can be judged from the information available, it will be preferable to construct a masonry wing instead of the proposed riveted end.

4. The Chief Engineer for Irrigation will take an early opportunity of inspecting the tank some time in October.

(Signed) R. R. E. DRAKE-BROCKMAN, Col., R.E.,
Chief Engineer for Irrigation.

30th August 1894.

Memo. No. III/7 A.N.

The undersigned after personal inspection of the Royalcheruvu tank in company with the Superintending Engineer, III Circle, on the 16th instant, considers that the work necessary to render the present weir safe is the repairs of the concrete flooring up to a uniform level, the provision of a cushion wall so as to retain a depth of water on the floor of 3 feet, the repair and lengthening of the northern wing wall, and the closing of the breach alongside it. It would, as suggested by Mr. Heinig, be advisable also to reduce the M.W.L. of the tank by providing an additional surplus weir and this may be constructed at the north end of the bund at the site previously fixed upon. The wing wall of the old weir should be adopted to the section of the bund it has to join. This bund is unnecessarily wider and may be reduced to a top width of 9 feet, the rear slope being removed as far as necessary and utilized for closing the breach.

2. The cushion wall of the weir should not project above the rear apron, which should be packed at a slope downwards from its crest.

20th Nov. 1894.
(Signed) R. R. E. DRAKE-BROCKMAN, Col., R.E.,
Chief Engineer for Irrigation.

From W. B. deWINTON, Esq., Superintending Engineer, III Circle, to the Chief Engineer for Irrigation, dated Bellary, 29th January 1896, No. 3339.

With reference to your memo. No. III/7 A.N., dated 20th November 1894, I have the honour to forward, herewith, plans and estimates amounting to Rs. 10,100 for improving the surplus work of Royalcheruvu tank for favour of sanction.

2. The plans and estimates have been prepared generally on the lines laid down by you in the above memorandum. A new wing has been provided to the existing weir, because the Executive Engineer reports that personal examination proved the old one and part of the body wall to be cracked and unsound, with foundations in bad soil and of insufficient depth.

Enclosure.

Report to accompany plans and estimates for improvement and repairs to Royalcheruvu tank, Imperial No. 8.

	RS.
Amount of estimate	10,300

The estimates have been drawn up on the lines indicated by the Chief Engineer for Irrigation in his memo. No. III/7 A.N., dated 20th November 1894, and include—

	RS.
1. New weir at left flank	3,701
2. Repairs to bund	793
3. Repairs to existing weir at right flank	5,806

No. 1.—The design has been altered into a clear overfall, which is cheaper and I consider better than a sloping apron.

No. 2.—Provides for the necessary repairs to the bund.

No. 3.—Allows for the reconstruction of the fallen wing and for the construction of a water cushion.

Instead of raising the retaining wall, I have lowered the level of the concrete apron. The existing concrete is very bad indeed and should, in any case, be removed. This will necessitate under-pinning the body wall in places which is allowed for.

The present rough stone apron, on the other hand, is in good order and well consolidated and it seems a pity to disturb it.

This estimate also provides for some necessary small repairs.

(Signed) J. F. SOMERS-EVE,
Executive Engineer.

No. 49 I.

Submitted to Government with a recommendation that the estimate forwarded by the Superintending Engineer, III Circle, as increased in this office from Rs. 10,100 to Rs. 10,300 be sanctioned. The increase is due to the revision of the plan and estimate for repairs to the existing weir at the right flank.

21st Feb. 1896.
(Signed) R. R. E. DRAKE-BROCKMAN, Col., R.E.,
Chief Engineer for Irrigation.

Order—No. 224 I., dated 4th March 1896.

The following estimate is sanctioned :—

Irrigation.
43. Minor works and Navigation.
Minor works for which neither Capital nor Revenue Accounts are kept, P.W.D.
Bellary Division.
Original Works.
Improving Royalcheruvu tank No. 8 of list of works in the Anantapur district, appended to G.O. No. 407 I., dated 6th July 1887.

	RS.
Estimate	10,300

2. This sanction is registered as No. 208 I. of 1895–96.

(True Extract.)

Under Secy. to Govt., P.W.D.,
Irrigation Branch.

To the Chief Engineer for Irrigation.
„ Superintending Engineer, III Circle, with twelve enclosures.
„ Examiner, Public Works Accounts.
„ Revenue Department.

Exd. T. K. Narayana Aiyangar.
Spare Copies

IRRIGATION.
ACCOUNT.

Govt. of {1896} Madras.

PUBLIC WORKS.

Dated March, 4th.

Recd. *Encl.*

G.O. No. 224 I., 4th Mar. 1896.

MARCH.

Tank

Estimate of Rs. 10,300 for improving Royalcheruvu —, Anantapur district, sanctioned.

A.

No. 224. I d/ 4 March/96.

PUBLIC WORKS DEPARTMENT,
IRRIGATION BRANCH.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the

READ the following

Print with Report

From Supg Engr, VII Circle, No 1111 d/ 30. 7. 94
To Do. 5 All. d/ 30. 8. 94
To Do. 7 All. d/ 20. 11. 94
From Do. 3339 d/ 27. 1. 96 No 49 I d/ 21. 2. 96

Submitted to Govt with a recommendation that the estimate forwarded by the Supg Engr, VII Circle as increased in this office from Rs 10,100 to Rs 10,300 be sanctioned. The increase is due to the revision of the plan & estimate for repairs to the existing weir at the right flank.

Order thereon.

The following estimate is sanctioned:—

Irrigation

43. Minor Works & Navig.

Minor Works for which neither Capital nor Rev. Accts are kept, P.W.D.

Bellary Dist.

Original Works.

Improving Royalcheruvu tank, No. 8 of list of works in the Anantapur district appended to G.O. No. 407. I dated 6th July 187

Estimate Rs 10,300

2. This sanction is registered as No

w
28 Feb

208 I of 1895-96.

21/2

Proceeds

DESPATCHED
16 MAR. 96

To
The Chief Engr for I.
Supdg Engr III with ~~15~~ 12 enclos.
Ex. P.W.D.
Rev Dept.

ACCS
24/2

P. W. CURRENT No. 1833

~~H~~ 1833

Estimate for improving Royalcheruvu tank Anantapur Dt.

— Encls 17 (6 plans)

Recd: 24.2.96

No. 332 G of 14-6-90 ✓
" 5593 " 7-10-90 ✓
" 663 G " 14-11-90 ✓

7.C.D. 4/3

4/3

Issue

Register

3/3

Recd

3/3

"G"

23/96

4/3

E. I. Form No. 1—500—14-5-95

H.E. 24/2 R 2/3

No. 1111

Superintending Engineer's Office,
Camp Tadpatri 3RD CIRCLE,
~~Bellary~~ 30th July 1894,
Bellary 31st do—

FROM
Colonel A. T. Fraser R.E.
SUPERINTENDING ENGINEER.
IIIRD CIRCLE.

To
THE Chief Engineer
for Irrigation
Madras

Sir,

Enclosures. 13

- 6 Tracings
- 1 Hydraulic Statement
- 1 Report
- 2 Calculation Sheets
- 1 data
- 1 detail Estimate
- 1 Abstract

13

I have the honor to forward plans and Estimate amounting to Rs: 4930/- for closing the breach in the Royalcheruvu Tank, Anantapur Dist: and clearing rock at the end of the weir for 10 ft: distance to extend it.

2. This tank was repaired in June/92 by an Estimate sanctioned in Govt: Order 663 dated 14th Novr: 1890, but no sooner finished than again breached, the water turning the end of the weir.

3. The latter is an elaborate work, and in an almost intact condition — see the photograph sent from this office last year.

2 photos put up

11/8/94

4. The cause of the tank breaching seems

seems to be that it is much silted, and the large body of water pouring in fills it up suddenly, and wets the Embankment that has been dry, perhaps for months.

5 With the masonry Counterfort Estimated for, and extra care in filling the breach, this it is expected will not reopen.

I have the honor to be
Sir
Your most Obedt Servt

A Fraser Col: R.E.
Superintending Engineer
III Circle

From, Col. A. F. Fraser R.E.
~~The~~ Superintending Engineer,
IIIrd Circle,
Bellary.

To,
The Chief Engineer
for Irrigation
Madras

CHIEF ENGINEER
No. 1554
17 AUG. 94
FOR IRRIGATION

Dated 31st } July 1894.
Received }

Enclosures. 13

No. 1111

Subject.

Royalcheru tank

Forwarding an estimate for Rs 4930/-/-. for closing the breach in the — for sanction.

Oc E-4
1833/96

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2 IP

Report to accompany Plans and Estimates for improvement and repairs to Royalcheru Tank. Imperial No. 8.
Amount of Estimate Rs ~~10,100~~ ~~9820~~ 10,300/.

The Estimates have been drawn up on the lines indicated by the Chief Engineer for Irrigation in his Memo No. $\frac{III}{7AN}$ dated 20 November 94 & include.

1. New weir at left flank Rs ~~4010~~ ~~3600~~ p 3701.
2. Repairs to bund " ~~1007~~ 793 p
3. Repairs to existing weir at right flank 5493. ~~5475~~ p ~~5640~~ 5806

No. 1. The design has been altered into a clear overfall, which is cheaper & I consider better than a sloping apron.

No. 2. Provides for the necessary repairs to the bund.

No. 3. Allows for the reconstruction of the fallen wing & for the construction of a water cushion.

Instead of raising the retaining wall, I have lowered the level of the concrete apron. The existing concrete

Concrete is very bad indeed & should in any case be removed. This will necessitate under pinning the the body wall in places which is allowed for.

The present rough stone apron, on the otherhand, is in good order & well consolidated & it seems a pity to disturb it.

This Estimate also provides for some necessary small repairs.

J. F. Somerville

Exec: Engineer

Blw
2/11

L. B. de Co
16. 1. 86

CHIEF ENGINEER
FOR IRRIGATION.
30 JAN 96
No. 3 AN/4

OWF 41
833/56

III d/30-8-94
No 57 AM
R 15 AM/94

38

To the S.E. IIIrd circle

The undersigned has the honour to return herewith the plans and estimates for closing a breach in Royalcheruvu Tank &c to request the S.E. to personally inspect the tank and submit plans and estimates for its repair in a substantial way.

(a) The rear concrete apron should be faced with 1'-0" of cement concrete to prevent its being again damaged

(b) So far as can be judged from the information available it would be preferable to construct a masonry wing instead of the proposed rolled end.

4 — The Ch. Engr for Irrig. will take an early opportunity of inspecting the tank some time in October.

Ewb
21/8

Russell
27/8

Copied & dated by [illegible]
on 30-8-94.

III

No 7 A.N. dy 20.11.94

4 P

Memo:

Letter No. 1111 dy 30 July 1894 from the S.E. III Circle

The undersigned after personal inspection of the Royal chervu Tank in company with the Supt of Engineer 3 Circle on the 16th instant Considers that the works necessary to render the present weir safe is the repairs of the Concrete flooring up to a uniform level, the provision of a Cushion wall so as to retain a depth of water on the floor of 3 feet. the repair and lengthening of the northern wing wall, and the closing of the breach alongside it. It would as suggested by Mr ~~Haig~~ Kying be advisable also to reduce the M W L of the Tank by providing an additional surplus weir and this may be constructed at the north end of the bund at the site previously fixed by Mr. The wing wall of the old weir should be adapted to the section of the bund it has to join. This bund is unnecessarily wide and may be reduced to a top width of 9' the rear slope being removed as far as necessary and utilised for closing the breach.

Encl 10

Nie

R 23 A/94

2. The cushion wall of the weir should not project above the rear apon, which should be packed at a slope downwards from its crest.

20/11

PWD 2
1833/96

No. 3339

Superintending Engineer's Office,
3RD CIRCLE.
Bellary 29th January 1896.

50

FROM W. B. de Winton Esquire
SUPERINTENDING ENGINEER,
IIIRD CIRCLE,

To

THE Chief Engineer
for Irrigation
Madras.

Sir,

With reference to your memorandum No $\frac{\text{III}}{7\text{AN}}$ dated 20 Nov 1894. I have the honor to forward, herewith plans and estimates amounting to Rs 10,800 for improving the Surplus work of Royalcheruvu Tank for favour of sanction.

2. The plans and estimates have been prepared generally on the lines laid down by you in the above memorandum. A new wing has been provided to the existing weir because the Ex. Engineer reports that ~~the~~ personal examination proved the old one, and part of the body wall, to be cracked and unsound, with foundations in bad soil and of insufficient depth.

Enclosures.
6 Tracings
1 Tabular statement to accompany Tank Estimate
2 Calculation Sheets
1 Report
1 Data Sheet
1 Detail Estimate 4 Sheets
1 General abstract
13

I have the honor to be
Sir
Your most obedient Servant
W B de Winton
Superintending Engineer, 3d Cir

From W. B. De Winton Esqr.

~~The~~ Superintending Engineer,

IIIrd Circle,

Bellary.

CHIEF ENGINEER
FOR IRRIGATION.
30 JAN 96
No. 30N

To

The Chief Engineer

for Irrigation

Madras

Dated 29th January 1896.

Received

Enclosures 13

No. 3339

Subject.

Royal cheruvu Tank

Forwarding for sanction plans & estimates amounting to Rs 10,000 for improvements to:—

P.W. 31,
1833/96