Public Works (1896) Department.

G.O., No. 502

Dated 12-6-96

[Despatch Abstract.]

Latchirazu dams in the Vizagapatam Dt.

The estimate of Rs 2,730 for emergent repairs to —, sanctioned.

[P.W. 20.
1,000—23-10-96.]

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.

Govt. of {1896} Madras.

PUBLIC WORKS.

Dated June, 12th.

Recd. *Encl.*

G.O. No. 502 I., 12th June 1896.

JUNE.

Latchirazu dam in the Vizagapatam Division

The estimate of Rs. 2,730 for emergent repairs to —, sanctioned.

No. 502 I., 12TH JUNE 1896.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

READ—the following paper:—

From W. C. DEMORGAN, Esq., Executive Engineer in charge, I Circle, to the Chief Engineer for Irrigation, dated Waltair, 19th May 1896, No. 126 V.Z.

Referring to paragraph 5 of your note embodied in G.O. No. 902 I., dated 16th November 1894, I have the honour to submit herewith, for your approval and sanction of Government, an estimate, amounting to Rs. 2,730, for emergent repairs to Latchirazu dam in the Vizagapatam division.

2. The amount of this estimate (Rs. 2,730), with the previous expenditure incurred during the past five years (Rs. 5,260), exceeds five years' actual collection of revenue (Rs. 6,356).

3. The estimate has been countersigned by the Collector.

ENCLOSURE.

REPORT to accompany the estimate for emergent repairs to Latchirazu dam.

		RS.
Amount of estimate	... ...	2,730
		ACS.
Ayacut	... ...	1,388
		RS.
Assessment	... ...	6,698
Average revenue of last five years	... ...	6,356
Expenditure during the last five years	... ...	5,260

The Latchirazu dam is the last of the series of dams across Varaha river and is situated about 2 miles east of Rayaveram village.

The dam has breached during the month of June 1895; on the inspection of Superintending Engineer and Executive Engineer in the month of January 1896, orders were given to start the work at once, as personally directed by the above officers. Accordingly, this estimate is prepared and submitted. Clay is met with at about 7½ feet below sill level of head sluice. The foundation of portions to be rebuilt is to be carried down to 8 feet; clay is met with all along the body wall. The foundation is proposed to be of concrete hearting and roughstone in mortar casing as shown on plan, as the concrete when laid without the casing walls does not consolidate on account of the space or sandy soil at the sides being capable of moving when concrete is well rammed and thus prevent the consolidation. It is also proposed to use surki in the mortar in the foundations and concrete apron.

It is also proposed, as per instructions, to open a vent 2′ × 2′ in the centre of the dam, and to pave the apron just below it with cutstone so as to prevent erosion. When water passes over the crest, it flows by the sides of the river and scours the bed and damages the apron and retaining walls. This is because there is a lunka in the centre of bed in rear, higher in level than that of the apron and retaining wall. It is proposed to remove this lunka and fill the erosion and revet the left side as shown in the sketch. The instructions contained in the Superintending Engineer's inspection notes are also fully carried out in the preparation of the estimate. All works will be carried out in accordance with the standard specification.

(Signed) J. INGLIS,
Executive Engineer.

ORDER—No. 502 I., dated 12th June 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.
Original Works.
Vizagapatam Division.
Emergent repairs to Latchirazu dam.

	Rs.
Estimate	2,730

2. This sanction is registered as No. 58 I. of 1896–97.

(True Extract.)

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

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

Exd. T. K. Narayana Aiyangar.
Spare Copies

No. 502 I, dt 12- June 1896.

A.

PUBLIC WORKS DEPARTMENT,
IRRIGATION BRANCH.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 30

READ the following

From Supdg Engr 1st Circle No 126 V.Z. dt 19.5.96

The following estimate is sanctioned :—

Irrigation.
43. Minor works Navigation.
Minor works for which neither Capital nor Revs. Accts are kept P.W.D.
Original Works.
Vizagapatam Dy
Emergent repairs to Latchirazu dam.
Estimate Rs 2,730
2. This sanction is registered as No. 58 I of 1896-97.

DESP. ED
1- JUL 96

To the Chief Engr for I.
Supdg Engr 1st Circle with 3 encls.

Anedt 4/16/96

Estimate for emergent repairs to Latchinaju dam, Vizagapatam Dt

Same

Rs 1/6

7.2.9. 11/6

Rejected 12/6

P. I. Form No 1—1,000—27-11-95.

Average revenue of last five years Rs 6356
Expenditure during the last 5 years Rs 5260

Reports to accompany the estimate for Emergent repairs to Latchinaju Dam.

Amount of Estimate Rs ~~2780~~ 2730 /-

Ayacut 1388 acres

Assessment 6698

The Latchinaju dam is the last of the series of dams across Varaha river and is situated about 2 miles East of Rayavaram village.

The dam has breached during the month of June 1895; On the inspection of Superintending Engineer and Executive Engineer in the month of January '96 - orders were given to start the work at once, as personally directed by the above officers. Accordingly this Estimate is prepared and submitted. Clay is met with at about 7½' below ~~sill~~ sill level of Head sluice. The foundation of portions to be rebuilt is to be carried down to 8'; Clay is met with all along the body wall. The foundations is proposed to be of Concrete hearting and rough stone in mortar casing as shown on plan, as the Concrete when laid without the casing walls does not —

Consolidate on account of the space or sandy
bed at the sides being capable of moving
when concrete is well rammed and thus
prevents the Consolidation. It is also proposed
to use Surki in the mortar in the foundations
and Concrete apron.

It is also proposed as per instructions to
open a vent 2'x2' in the Centre of the dams,
and to pave the apron just below it with
cutstone so as to prevent erosion. When
water passes over the crest it flows by the
sides of the dams and scours the bed and
damages the apron and retaining walls.
This is because there is a hunka in the
Centre of bed in rear, higher in level, than that
of the apron and retaining wall. It is
proposed to remove this hunka and fill
the erosion and revet the left side as
shown in the sketch. The instructions Con-
-tained in the Supg Engrs Inspection Notes
are also fully carried out in the prepara-
-tion of the Estimate. All works will be Carried
out in accordance with the Standard Specifi-
-cations.

Ex. 22/11

John Inglis
Executive Engineer

SUPERINTENDING ENGINEER
No. 8/3772
24 APR. 96
FIRST CIRCLE

W D Morgan
Executive Engineer in charge
Dated 7th May 1896.

Overflow 5780/96

No. 1264 J.

FROM W. D. Morgan Esquire
Executive
~~SUPERINTENDING~~ ENGINEER in charge.

Enclosures. one.

FIRST CIRCLE.

TO

THE CHIEF ENGINEER

FOR IRRIGATION.

Madras.

~~DOWLAISHWERAM~~, ~~189~~

Waltair 19th May 1896

Dpo 23. 5. 96

SIR,

Referring to para 5 of your note embodied in G.O No. 902 I dated 16.11.95 I have the honor to submit herewith, for your approval and sanction of Government an Estimate amounting to Rs 2730 for Emergent repairs to Latchirazudam in the Vizagapatam Division.

2. The amount of this Estimate (Rs 2730) with the previous Expenditure incurred during the past 5 years (Rs 5260) Exceeds 5 years' actual collection of Revenue (Rs 6356).

3. The Estimate has been countersigned by the collector.

I have the honor to be
Sir
Your most obedient Servant
W D Morgan
Executive Engineer
in charge 1st Circle.

WM 21/5.

CHIEF ENGINEER FOR IRRIGATION. 27 MAY 96 No. 2423

G. P. I. 500—13-2-96 5282

FROM

SUPERINTENDING ENGINEER

FIRST CIRCLE.

Encls 4

Recd: 11.6.96.

TO

THE CHIEF ENGINEER

FOR IRRIGATION

DATED 19
DESPATCHED 22 } May 1896.
RECEIVED

No. 1261 Z.

ENCLOSURES one

SUBJECT.

Emergent repairs to Latchi Raju Dam Vizagapatam Division — Submitting an Estimate for — for Approval & Sanction of Govt