# Public Works (1897) Department.

G.O., No. 2579

DATED 15. march 97

18/3/97

[Despatch Abstract.]

Lingala tank: Estimate of Rs. 12,600 for restoring —, Cuddapah Division; sanctioned under "33. Famine Relief."

108/6

[ P.W. 36 / 1,000—24-11-96 ]

F.C. 15/8/97

Indexed. 15/3/97

## BACK PAPERS.

| G.O. | No. | Department. | Date. | G.O. | No. | Department. | Date. |
|---|---|---|---|---|---|---|---|
| | ~~257~~ | ~~I~~ | | | | | |

## FURTHER PAPERS.

| G.O. | No. | Department. | Date. | G.O. | No. | Department. | Date. |
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IRRIGATION.
ACCOUNT.

# Government (1897) of Madras.

## PUBLIC WORKS.

*Recd.* } 1897. *Enclosures*
*Regd.* *Spare copies*

### G.O., No. 257 I., 15th March 1897.

### MARCH.

**Lingala Tank**

Estimate of Rs. 12,600 for restoring —, Cuddapah division, sanctioned under "33. Famine Relief."

## GOVERNMENT OF MADRAS.

## PUBLIC WORKS DEPARTMENT.

### Accounts.

Read—the following papers:—

Proceedings of the Board of Revenue (Revenue Settlement, Land Records and Agriculture), dated 15th February 1897, Mis. No. 1174.

*Read*—the following letter from the Superintending Engineer, III Circle, Bellary, to the Collector of Cuddapah, dated 5th February 1897, No. 3728:—

With reference to your letter, No. 6810, Revenue, dated 23rd December 1896, I have the honour to forward, herewith, plans and estimates amounting to Rs. 12,350 for restoring Lingala tank, in the Pulivendla taluk, Cuddapah district, and request that you will be good enough to countersign the same and transmit them to the Board of Revenue for sanction.

2. It is one of the famine works proposed in the Cuddapah district and it may be required for execution at once.

3. It will be seen from the report that the old tank has been abandoned and a new tank will be formed in a more suitable position higher up the valley.

4. The tank will earn a revenue of only Rs. 500 or 4·05 per cent.* on its cost, so it cannot be called a productive work, but it is one evidently suited to famine labour and the work will be of far greater benefit than breaking metal for roads, which they do not want.

5. I have asked the Executive Engineer to see if the proposed capacity of the tank cannot be enlarged to enable it to hold three years' supply for its ayacut. If this can be done, the estimate will have to be revised, but the financial aspect would not be affected, because a higher water-rate could be charged for more certain irrigation. As the estimate is urgently required, I am not keeping it back for this reason.

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* Exclusive of indirect charges.

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### Enclosure.

Report to accompany the estimate for restoring the Lingala tank, in the Pulivendla taluk, Cuddapah district.

| | RS. |
|---|---|
| Amount of estimate ... ... ... ... ... ... ... | 12,600 |

This estimate has beenprepared with a view of reforming the Lingala tank, some distance above its former position and to the west of the village of Lingala.

The old tank breached near its left end some 25 years ago, the cause of breaching being said to be due to defective surplus arrangements and also to the supply stream rushing down along and eroding the bank at the left end.

In 1889 Mr. Johnston, the Executive Engineer, then inspected and selected the site where it is now proposed to reconstruct the tank, and accordingly levels, &c., were taken in 1892 for this purpose.

The tank will now lie in north latitude 14°-29′-27″ and east longitude 98°-11′-6″, the bund will run north and south and will be exposed to the westerly winds.

The tank does not affect any source of irrigation, and will be a completely isolated one. It will receive the drainage of 10 square miles, giving a discharge of 1,686 cubic feet per second. The surplus escape will be placed at the left end, where the natural ground is at about the required level. A gap of 20 feet adjoining the left end of the bund will have a body wall built across it up to F.T.L. with a roughstone apron and suitable bank connections. The surplus of the tank will flow direct into the Papaghni river.

The capacity, &c., of the proposed tank are all shown in the sheet of hydraulic particulars.

It is proposed to irrigate 140 acres of land under the tank and the increase of revenue is expected to exceed Rs. 500 or about 4½ per cent. on the outlay. This is not a very promising outlook, but the work is intended to be a famine-relief work.

A sluice is included in the estimate and will be built at the right end to irrigate the 140 acres of land forming the ayacut.

The full tank level will be 78·00, M.W.L. 80·00, top of revetment 81·00, and top of bund 84·00. The front slope of the bund will be 1½ to 1, and the rear slope 2 to 1. The top width of the bund will be 5 feet throughout.

In the bed of the vunka across which the tank is to be constructed are two very good springs which are now choked and silted up. It is proposed to re-open these springs and revet the sides to keep the earth from falling in. When there is no water in the tank, these springs will yield, it is stated, sufficient water to irrigate about 100 acres of the ayacut.

The restoration of this tank was recommended by the Collector in his No. 2851 of 22nd April 1896 as a suitable work for famine, and forms one of the works in the famine programme. Accordingly the estimate is prepared to provide labour for the poor during the present distress.

All work will be carried out in accordance with Code standard specifications.

(Signed) S. B. MURRAY,
Executive Engineer.

8th January 1897.

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*Read*—also the following endorsement of the Collector of Cuddapah, dated 8th February 1897, Ref. on C. No. 62-Tour:—

Forwarded to the Secretary to the Commissioners of Revenue Settlement and Director of the Department of Land Records and Agriculture, Madras, for sanction.

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*Resolution*—dated 15th February 1897, Mis. No. 1174.

Forwarded to the Chief Engineer for Irrigation, for sanction.

(True Copy and Extract.)

(Signed) R. V. SRINIVASIAR,
Secretary.

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No. 57 I.

*Note by the Chief Engineer for Irrigation.*

The estimate is recommended for sanction as a famine work. The estimate, as altered in this office, amounts to Rs. 12,600. As regards expected revenue, if allowance is made for the cost of maintenance, the return will be about 3 per cent.

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

9th March 1897.

ORDER—No. 257 I., dated 15th March 1897.

The following estimate is sanctioned :—

33. Famine Relief.
Minor Works and Navigation.
Minor Works for which neither Capital nor Revenue Accounts are kept, P.W.D.
Original Works.
Cuddapah Division.
Restoring Lingala Tank.

| | RS. |
|---|---|
| Estimate ... ... ... ... ... ... ... ... | 12,600 |

2. This sanction is registered as No. 202 I. of 1896-97.

(True Extract.)

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

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

Exd. Shaik Karim.

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Restoring Lingala Tank

PUBLIC WORKS DEPARTMENT,

IRRIGATION BRANCH.

III Circle.

H.E. No. 257 I of 15.3.97

Public Works (1897) Department
PROCEEDINGS OF THE MADRAS GOVERNMENT.

Irrgn ~~Audt~~ Current No: 2627

UNDER date the Recd: 13.3.97
Enclos: 18 (8 plans)

READ the following

Procs. Board of Rev. Rev Sett. L.R. Regne No 1174 Mis dt 15 Feb/97

No 57 I d/ 9.3.97 Note by the Chief Eng. for Irrigation.

5 P.

The estimate is recommended for sanction as a famine work. The estimate as altered in this office amounts to Rs 12,600. As regards expected revenue if allowance is made for the cost of maintenance the return will be about 3 per cent.

D.S.

Issue

W.H. 12.3.97

I

Order thereon

6 P.

The following estimate is sanctioned:—

33 Famine Relief
Minor works & navig.
Minor works for which
neither Capital nor Rev.
Accts are kept. P.W.D.
Original works.
Cuddapah Divn.
Restoring Lingala
tank. Estimate Rs 12,600

2. This sanction is
registered as No. 2023
of 1896-97.

ASH
11.3.97

9/3/97

WH
9/3/97

F.S.D.
13/3/97

D 11/3/97 15/3/97

Regd 15/3/97 16/3

To
the Chief Engr for I.
Supdg Engr III Circle in copy with encls.
Exr I. Wks.

9/3/97

E. F. Form No. 1—1,000—2-2-97.

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# Public Works (1897) Department.

**CURRENT No.** R 99 cll

**Order** 1/2

**From** The Board of Revenue, Revenue Settlement, Land Records & Agriculture

**No.** 1174 Mis.

**Dated** 15 February 1897
**Received**
**Enclosures**
**Spare copies**

## SUBJECT.

Minor Irrigation Works Cuddapah Dt. Forwarding Estimates of a — to the Chief Engineer for Irrigr for sanction.

BACK PAPERS.

| No. | Date. |
|---|---|
| | |

FURTHER PAPERS.

| No. | Date. |
|---|---|
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35.P

1

Report to accompany the Estimate for restoring the Lingala tank in the Pulivendla Taluk Cuddapah District

Amount of Estimate Rs ~~11100 - 0 - 0~~ ~~12350~~ 12,600

COLLECTOR'S OFFICE
-6 FEB 1897
CUDDAPAH

This Estimate has been prepared with a view of reforming the Lingala tank some distance above its former position & to the west of the village of Lingala

The old tank breached near its left end some 25 years ago, the cause of breaching being said to be due to defective surplus arrangements and also to the supply stream rushing down along & eroding the bank at the left end

In 1889 Mr Johnston the Executive Engr then inspected & selected the site where it is now proposed to reconstruct the tank & accordingly levels &c were taken in 1892 for this purpose.

The tank will now lie in North latitude 14°-29'-27" and East longitude 98°-11'-6" the bund will run north & south & will be exposed to the westerly winds.

The tank does not affect any source of irrigation & will be a completely isolated one. It will receive the drainage of ~~14~~ 10 Sqr miles, giving a discharge of 1686 Cft per second. The surplus escape will be

placed

placed at the left end, where the natural ground is at about the required level. A gap of 20 feet adjoining the left end of the bund will have a body wall built across it up to F. T. L with a rough stone apron & suitable bank connections. The surplus of the tank will flow direct into the Papaghni river.

The capacity &c of the proposed tank are all shewn in the sheet of hydraulic particulars.

It is proposed to irrigate 140 acres of land under the tank & the increase of Revenue is expected to exceed Rs 500/- or about 4½ % on the outlay. This is not a very promising outlook, but the work is intended to be a Famine Relief Work.

A ~~new~~ Sluice is included in the Estimate & will be built at the right end to irrigate the 140 acres of land forming the ayacut.

The full tank level will be 78.00 M. W. L 80.00 top of revetment 81.00 & top of bund 84.00. The front slope of the bund will be ½ to 1, ~~up to top of revetment & 1½ to 1 above that~~, & the rear slope ~~will be~~ 2 to 1. The top width of the bund will be 5 feet throughout

In the bed of the vanka across which the tank is to be constructed are two very good springs which are now choked & silted up. It is proposed to reopen those springs & revet the sides to keep the earth from falling in. When there is no water in the tank those springs will yield it is stated sufficient water to irrigate about 100 acres of the ayacut.

The restoration of this tank was recommended by the Collector in his No 2851 of 22-4-96 as a suitable work for famine, & forms one of the works in the Famine Programme. Accordingly the Estimate is prepared to provide labour for the poor, during the present distress.

All work will be carried out in accordance with Code standard specifications.

8/1/97

Executive Engineer

CHIEF ENGINEER
FOR IRRIGATION.
1st [illegible] 97
No. 994
9

P.W. E.1/2627/97

10.

(Sett. 22—2,000—29-10-96.

# Proceedings of the Board of Revenue

(Revenue Settlement, Land Records and Agriculture),

Dated 15th February 1897.

No. 1174 Miscellaneous

READ the following letter from the Superintending Engineer, III circle, Bellary, to the Collector of Cuddapah, dated 5th February 1897 No. 3728:—

Enclosures 22

| | |
|---|---|
| 1 | Report |
| 1 | Hydraulic statement |
| 1 | Do Earthwork Calculation Sheet. |
| 2 | Sectional areas and Contents |
| 5 | Sheets D.C. estimate |
| 1 | Data List |
| 2 | Abstract Estimate |
| 1 | Tracing of group map |
| 1 | Do Survey of tank |
| 1 | Do Weir |
| 1 | Sheet Sections of old bund. |
| 1 | Tracing of place of weir |
| 1 | Do of Sluice |
| 2 | Do Sections of bund. |
| 22 | |

With reference to your letter No. 6810/Rev of 96 dated 23rd December 1896, I have the honor to forward herewith Plans and Estimates amounting to Rs 12350 for restoring Lingala tank in the Pulivendla taluk, Cuddapah district and request that you will be good Enough to Countersign the Same and transmit them to the Board of Revenue for Sanction.

2 It is one of the Famine Works proposed in the Cuddapah District and it may be required for execution at once

3

3. It will be seen from the report that the old tank has been abandoned and a new tank will be formed in a more suitable position higher up the valley.

4. The tank will earn a revenue of only Rs 500 or 4.05 per cent on its cost.× So it cannot be called a productive work, but it is one evidently suited to famine labour and the work will be of far greater benefit than breaking metal for roads which they do not want.

× exclusive of indirect charges

Ver.
R.S.H.

5. I have asked the Executive Engineer to see if the proposed capacity of the tank cannot be enlarged to enable it to hold 3 years' supply for its ayacut. If this can be done, the estimate will have to be revised, but the financial aspect would not be affected because a higher water-rate could be charged for more certain irrigation. As the estimate is urgently required, I am not keeping it back for this reason.

Read also the following Endorsement of the Collector of Cuddapah, dated 8-2-97

Ref on C.R.O. 62/Irri :-

Forwarded to the Secretary to the Commissioner of Revenue Settlement and Director of the Department of Land Records and Agriculture Madras for Sanction.

## Resolution

Forwarded to the Chief Engineer for Irrigation for Sanction.

(True Copy and Extract)

R. V. Srinivasier
Secretary

To

The Chief Engineer for Irrigation
with the plan and Estimate -

Exd 15/2/97

1897.

**Board of Revenue**

(Revenue Settlement, Land Records and Agriculture),

**MADRAS.**

(Sett. 20—2,000—29-10-96.)

CHIEF ENGINEER
FOR IRRIGATION.
1-[illegible]-97
No. 99 M

*To*

The Chief Engineer
for Irrigation

P.W. E.18/2627/97

No. of Enclosures.

Proceedings, Dated 15th February 1897.
No. 1174 Mis

*Subject.*

Minor Irrigation Work, — Cuddapah Dt.

Forwarding Estimates &c of certain — to the Chief Engineer for Irrigation for sanction