

(1) Number of pages _____

(2) Date of repair _____

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE

Government of Madras

Public Works

DEPARTMENT

G.O. No.	2162	Press
B.P. No.		Mis.
Dated	28-8-1956	

Not to be folded or roughly handled

Read the following —

No 137-W

No 414. *Note by the Chief Engineer for Irrigation*

THE District Engineer, Godavery, forwards, with his letter marginally noted, an estimate in connection with the Gopalapuram Bollala tank situated in the Yernagudum taluq, Ellore range

2 The nature of the work proposed for execution and the heads of account to which it is chargeable are as follow —

ORDINARY AGRICULTURAL

Original Works

Constructing a masonry weir	RS 1,585
Total	1,585

3 The following particulars of this tank are recorded —

Ayacut area	Acres	234
Assessment	Rupees	1,039
Average revenue	"	266
Highest do	Not stated	
Expenditure during the previous four years	Rupees	440

The area of the catchment basin is 8 square miles, the maximum flood supply is calculated at 1,428 cubic feet per second, for discharging which as surplus there is no outlet at present This tank breaches once in every five years at least, and then there is an entire loss of the revenue derived from the land lying under it, besides considerable expense for repairs It is, therefore, proposed to construct a masonry surplus weir in order to place the tank in a condition of safety

4 It is desirable that the nature of the soil at the site of a proposed escape should be stated, and in this case there is no information on the subject The fall from the crest of the weir to the bed of the surplus channel is nearly 6 feet, of which 5 feet are provided for by the drop from the crest to the apron, and this necessitates a somewhat expensive work. On the other hand if the ground at the flank of the bund is rocky, or if not rocky, if it is sufficiently hard and compact to withstand the cutting effect of water at a high velocity, the weir can be placed at a higher level, when it will cost less, and the fall to the surplus channel may be the natural slope of the land.

The general considerations in short which have led to the selection by the Revenue Officer and District Engineer of the particular form of waste weir designed, have not been fully brought forward, and, unless these are known, no really conclusive opinion can be given.

5 It is not necessary to return the present estimate for further information, as the District Engineer is fully competent to decide on the proper arrangement, but it is necessary to point out that when the rules require that plans and estimates shall be forwarded for approval, the circumstances which have been under consideration by the officer who designed the work should be detailed for the information of Government.

Proceedings of the Madras Government, Public Works Department,
18th August 1876. No. 2,162.

The leading features of the design are based upon a type design furnished with Circular No 67 from this office, and, though it may not be inappropriate, it was drawn up for a different set of conditions

OOTACAMUND, (Signed) A DFC. SCOTT, Major, R E,
15th August 1876 Dy Chief Engineer for Irrigation,
for Chief Engineer for Irrigation
To the Secretary to Government, Public Works Department

No 415 ORDER THEREON, 18th August 1876, No 2,162.

IRRIGATION, No 41
Account

THE following estimate from the
Ellore range, forwarded by the District
Engineer, Godavery, is sanctioned —

GOPALAPURAM BOLLALA TANK.
Irrigation

Group or Project.	Fund	Class	Name of Tank, Canal, or Channel	Particulars of Work	Amount
NI	Ordinary Agricultural	Original Works	Gopalapuram Bollala Tank	Constructing a masonry weir	Rupees 1,585 To be carried out by Public Works Department Officer in charge Ellore Range

2 This sanction has been registered as No 110-I of 1876-77.

(True Extract.)

Colonel,

Offg. Under Secy to Govt, P.W.D.

To the District Engineer, Godavery
" Collector of do
" Chief Engineer for Irrigation
" Examiner of Public Works Accounts
" Revenue Department

Exd E C Shanker

Spare Copies

OFFICE OF THE CHIEF ENGINEER
FOR IRRIGATION,

Noted and 15th August 1876.

No 137-11

Note by Chief Engineer for Irrigation

Enclosures 4

No 448
Dated 19th May
1876

THE District Engineer, Godavery,
forwards, with his letter marginally noted, an Estimate in connection
with the Gopalapuram Bollala Tank situated in the
Yernagudem Taluq, Ellore Range.

2. The nature of the work proposed for execution and the heads of account
to which it is chargeable are as follow —

Ordinary Agricultural
Original Works
Constructing a masonry weir — Rupees 1,585
Total Rupees 1,585.

3 The following particulars of this Tank are recorded —

Ayacut area. 234 Acres
Assessment. 1037 Rupees
Average revenue. 266 Rupees
Highest do Not stated
Expenditure during the previous four years 440 Rupees.

The area of the catchment basin is 8 square miles, the maximum flood supply is calculated at 1428 cubic feet per second for discharging which, as surplus there is no outlet at present. This tank overflows once in every five years, at least and then there is an entire loss of the revenue derived from the land lying under it, besides considerable expense for repairs. It is, therefore, proposed to construct a masonry surplus weir in order to place the tank in a condition of safety.

It is desirable that the nature of the soil at the site of a proposed escape should be stated and in this case, there is no information on the subject. The fall from the crest of the weir to the bed of the surplus channel is nearly 5 feet of which five feet are provided for by the drop from the crest to the apron and this necessitates a considerable expensive work. On the other hand, if the ground at the foot of the bund is rocky or if not rocky, if it is sufficiently hard, and compact to withstand the cutting effect of water at a high velocity, the weir can be placed at a higher level, when it will cost less and the fall to the surplus channel may be the natural slope of the land.

The general considerations in short which have led to the selection by the Revenue Officer and District Engineer of the particular form of weir

weir, designed, have not been fully brought forward and unless these are known, no really conclusive opinion can be given.

It is not necessary to return the present estimate for further information as the District Engineer is fully competent to decide on the proper arrangement, but it is necessary to point out that when the rules require that plans and estimates shall be forwarded for approval, the circumstances which have been under consideration by the Officer, who designed the work should be detailed for the information of Government.

The leading features of the design are based upon a type design furnished with Circular No. 6 by this office, and though it may not be inappropriate, it was drawn up for a different set of conditions.

Ans. Scott

Major R.

Deputy Chief Engineer for Irrigation
for Chief Engineer for Irrigation.

To
The Secretary to Government
Public Works Dept.

C. W. B.

1876
P.W.D.
21 AUG 76
From the Chief Engineer for irrigation
To the Secretary to Govt.
P. H. D.

Dated 15th August 1876
Recd 15th - do -
Recd

N. 137-W

Encls. 4.

N. 414

Gopalapuram Bollala Tank - Notes
- very District - Note submitting
for sanction, with remarks estimate
for 1585 for constructing a masonry
weir at -

Cir. 16.8.76 P.W.D. 18.8.76
P.W.D. 16 Aug

B I Form No 4

No 2162 P.W.D.
Proceedings of the Madras Govt
Under date the 18th Aug 76
Read the following
From the Chief Eng for Irrigation (H. E. No 137 W) 15 Aug 76

The following Estimate from the Eliore Range forwarded
by the District Engineer, Godanery, is sanctioned :-

Gopalapuram Bollala Tank.

Irrigation

Group or Project	Fund	Class	Name of Tank Canal or Channel	Particulars of work	Amount Rupees
	P.W.D.	Original Works	Gopalapuram Bollala Tank	Constructing a masonry weir	1585
					To be carried out by P.W.D. under charge of the Range

2. This sanction has been registered as No 118 I. of 1876-77.
Sd/- Godanery
Collector - do -
C. E. for S. with L. Encls. ✓
En P.W.D. ✓
Rev. Secy. P.W.D. 4/9/76
Aided
G.M.P.

6014

Govt. of India
PUBLIC WORKS.

To

The H. E. Secretary

Deb

Ind

Recd

Est

G. O. 18th August 1900, No. 217

Nos. 111, - 115 -

Gopalapuram Bellalac
Dank - Godavery D -

Estimate for constructing
a masonry weir to the
— sanction of

Est. no. 111
1-1-11