

(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.	2318	Press	<i>Original</i>
B.P. No.		Mis.	
Dated	31-8-	1826	
		195.	

Not to be folded or roughly handled

✓

*Proceedings of the Madras Government, Public Works Department,
31st August 1876. No. 2,318.*

Read the following papers :—

No. 705. Endorsement of the Secretary to Government, Revenue Department,
dated Ootacamund, 12th August 1876.

Proceedings of the Board of Revenue, dated 7th August 1876, Miscellaneous
No. 6,681.

From J. R. DANIEL, Esq., Acting Collector of Cuddapah, to C. A. GALTON, Esq.,
Acting Secretary to the Board of Revenue, Madras, dated Cuddapah, 28th
July 1876, No. 188.

With reference to paragraph 2 of the Board's Proceedings, dated 12th July 1876,

3 Plan sheets. | 1 Report.
1 Specification. | 1 Abstract Estimate.

I have the honor to forward plans and
estimates, &c., furnished to me by the Dis-
trict Engineer for repairing the bund and

revetment, and for constructing a weir in the bund of Jellalamadaka Shrotriern tank.

THE estimate for repairing the Jellalamadaka Shrotriern tank, amounting to
Rupees 7,600, will be submitted to Government in continuation of the Board's Pro-
ceedings, dated 12th July 1876, No. 1,787.

(True Copy and Extract.)

(Signed) C. A. GALTON,
Acting Secretary.

TRANSFERRED to the Public Works Department with reference to G.O., dated
18th July 1876, No. 965.

(Signed) D. F. CARMICHAEL,
Secretary to Government, R.D.

No. 162-W.

No. 705-A.

Note by the Chief Engineer for Irrigation.

JILLALAMADAKA SHROTRIERN TANK.

* Dated 18th July 1876.

THE estimate* for the repair and
improvement of this tank prepared in the
Public Works Department, and submitted by the Collector of Cuddapah to the Board
of Revenue, contemplates the raising of the full tank level from 52·67 to 54·00.
From the report of the Range Officer it appears that this alteration is proposed
because the greater part of the bund is above 60·00 and is strong enough in every
way to allow of water being retained at the higher level. The alteration will make
the tank more valuable, and under the circumstances there can be no objection, so
far as the safety of the tank is concerned, to its being carried out.

2. The estimate amounts to Rupees 7,600, and provides apparently for all the
work which would be considered desirable were the tank the property of Government.
There is much in it, however, which should be left to the option of the Shrotriern
to carry out or leave undone.

*Proceedings of the Madras Government, Public Works Department,
31st August 1876. No. 2,318.*

(1.) The earthwork required is trifling. The items on this account including those for stopping leakage near where the former surplus weir stood are those numbered in blue pencil 1, 2, 8, and 9, and amount altogether to Rupees 160 only.

Rupees	...	...	...	152	15	10
Sundries	...	...	...	7	0	2
				160	0	0

(2.) The principal expenditure entered for the bund is in connection with the reformation of the revetment. The items are marked 3 to 7 and amount to Rupees 5,470.

Rupees	...	...	...	5,201	14	10
Sundries	...	...	...	268	1	2
				5,470	0	0

(3.) The next item is gravelling the top and slopes of the bund which with sundries comes to Rupees 200.

(4.) Lastly, there is the item for a surplus weir 140 feet long, Rupees 1,770. The works numbered (1) and (4) are essential, and it is stated in the report that "in the beginning of 1876 the Shrotriendard appears to have begun to repair the revetment of the bund, &c." Probably, therefore, so much of the revetment work as consists of repairs the Shrotriendard admits to be necessary and will execute without

$$\frac{1,587}{2} = 793$$

$$\frac{2,705}{4} = 676 \frac{1}{4}$$

$$\frac{1,542}{1} = 1,542$$

pressure. Apparently the extent of this work is $1,542\frac{1}{2}$ cubic yards at 4 Annas or Rupees 386, or with sundries, say, Rupees 400 out of the Rupees 5,470 above shown (2). The rest of the work should

be considered optional. Gravel backing to revetment is usually considered necessary in the case of Government tanks, as tending to render the revetment lasting, but the owner of a private tank may be left to decide for himself whether it is best worth his while to repair a revetment frequently, or to build it substantially in the first instance. Some of the rates appear to be high, especially gravel work, seeing that gravelly soil is found close at hand.

With regard to the weir, its estimated cost, and its proposed position and arrangement, all that the undersigned can say is that the circumstances have been carefully gone into, and require local knowledge to determine whether they are altogether the best. It is thought, however, that expense might be reduced by altering the alignment of the weir to the directions shown in dotted lines, and it would perhaps be better also were the right wing placed some 30 feet to the right, (towards division bund), as a better outfall would then be secured. All that part of the bund on which the bench mark 58.67 stands, which interferes with a free outfall, should be removed.

OOTACAMUND,
21st August 1876.

(Signed) JOHN MULLINS, Lt.-Col., R.E.,
Chief Engineer for Irrigation.

No. 706.

ORDER THEREON, 31st August 1876, No. 2,318.

IRRIGATION, No. 74.

RECORDED with reference to G.O., No. 2,170, dated 18th August 1876. It will be seen that the work which the Chief Engineer

*Proceedings of the Madras Government, Public Works Department,
31st August 1876. No. 2,318.*

for Irrigation considers to be essential to the safety of the Jillalamadaka Shrotriend tank is as follows:—

1st.—Certain repairs to bund estimated to cost { ... Earthworks Rs. 160
... Revetment " 400
2nd.—Surplus weir 140 feet long do. ... " 1,770

2. Should the Shrotriendards wish for the assistance of the Public Works Department in laying out the weir, the remarks of the Chief Engineer for Irrigation should receive consideration.

(True Extract.)

Colonel,

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

To the District Engineer, Cuddapah.
" Collector of Cuddapah.
" Chief Engineer for Irrigation.
" Consulting Engineer for Railways.
" Revenue Department.

Exd. W. H. French.
Spare Copies

PROCEEDINGS OF THE BOARD OF REVENUE, dated 12th July 1876.

Read the following letter from J. D. B. GRIBBLE, Esq., Acting Collector of Cuddapah, to C. A. GALTON, Esq., Acting Secretary to the Board of Revenue, dated Wontimitta, 1st July 1876, No. 162:—

WITH reference to G O., No. 795, dated 14th June 1876, communicated with Board's footnote, No. 5,391, dated 28th instant, I have the honor to state that I deferred reporting on the matter therein referred to, as I was in daily expectation of receiving the plan and estimate of the repairs needed to the Shrotriern tank. These, however, have not as yet arrived; and, as I shall probably be relieved from the charge of the district in a few days, I will not any longer defer the report.

2. There has been some correspondence between the District Engineer and myself regarding the actual effect of the division bund on the supply of the two tanks, and Colonel Moberly has stated that, in his opinion, instead of the water flowing from the Shrotriern to the Government tank, the process is reversed. It is true, he says, that the bed of the Government tank is on a lower level than the Shrotriern tank, but he urges each tank has a separate water-supply, and the crest of the Government Calingulah is on a higher level than that of the Shrotriern tank. Against this I have pointed out to him that, as a matter of fact, the Shrotriern tank has no calingulah, that the escape is bunded up, and also that the Shrotriern tank fills much more rapidly than the Government tank, so that when the Shrotriern tank is full and the Government tank only partially so, the water would necessarily flow to the lower level were there no dividing bund. On a reference to the former correspondence, which extends over several years, I note that the late District Engineer, on a personal inspection, found the part where the dividing bund is now being erected *under water*, and it was also expressly stated when it was decided to raise the dividing bund that the supply channel to the Government tank *would have to be repaired*, otherwise the water-supply would by means of the dividing bund be diminished. There can therefore, I think, be no doubt that my former statement is correct, that the water flows from the Shrotriern to the Government tank. The ryots themselves have urged this, and would undoubtedly urge it again had they to defend a Civil Suit.

3. As regards the actual danger caused by the bund, I have no doubt that, as long as it will suit their purpose to do so, the Shrotrierndar will lay as much stress upon it as possible, and there can be no doubt that, as long as the Shrotriern tank bund is in a bad state of repair and there is no proper calingulah, the bund does increase the danger to the tank by preventing any escape of water into the Government tank. I am, however, by no means prepared to advise the breaching of the division bund, and I know that the District Engineer is strongly opposed to any such step being taken. The old map shows that such a bund once existed, and though it has been allowed to fall into disrepair, I do not see that we have thereby waived our claim to repair it when we wish. There have been frequent disputes regarding water between the Shrotriern and the Government ryots, and this bund will prevent the recurrence of any such quarrels. The repairs now executed to the bund will doubtless make it imperative on the Shrotrierndars to do something to their tank sooner than they otherwise would have done; but I see no reason

P. W. 1876 Dept
No 5073

1876.
Board of Revenue,
MADRAS.

PROCEEDINGS, 12TH JULY 1876, No. 1,787.

24th July 1876

Encl.

Received 15th

JULY.

No. 1,787.

Villamadaka Shrotriem Tank — in Cuddapah District. — Recommending that sanction of Government be accorded to the construction of a weir in the division bund between this and the adjacent Government tank, and requesting early orders in regard to application to be made for an injunction to compel the Shrotriemdar to execute the necessary repairs to their tank.

Revenue Department.

Proceedings of the Board of Revenue
Dated 12 July 1876

No 162. Read the following.

From J. D. B. Gribble Esquire
Collector of Cuddapah
To C. A. Galtton Esquire.

Secretary to the Board of Revenue
Madras.

Sir With reference to Government
Order No 795 dated 14 June 1876 con-
minuted with Board's footnote
No 5391, dated 28 Instant I have
the honor to state that I deferred
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referred to, as I was in daily
expectation of receiving the plan
and estimate of the repairs
needed to the Shrotriem tank.
These however have not as yet
arrived and as I shall probably
see

why the repairs to the division bund should prevent us from being successful in a suit against the Shrotriendars to repair their tank. The Board will observe that, in raising this point of danger caused by the division bund, I was of opinion that it might to a certain extent prevent me from exercising my jurisdiction as a Magistrate under Section 518, Criminal Procedure Code. The rotten state of the Shrotriem tank is, of course, the primary cause of danger, but that danger is for the moment increased by the division bund, and will be so increased until the Shrotriem tank is put in a proper state of repair.

4. Should, however, the Board still think that the division bund should be breached, though I would respectfully deprecate this being done, I would suggest that instead of breaching the bund a weir consisting of a simple masonry wall with an apron on either side, and not more than 3 inches below the level of the crest of the Government calingulah, should be constructed in it so as to allow the water to pass from one tank to another. The reason why the Shrotriendars are so urgent for the removal of the division bund is, I believe, as follows. The catchment basins of both of the tanks is nearly the same, being about ten square miles. The storage capacity of the Government tank is however, I believe, much greater than that of the Shrotriem tank. The supply of the Shrotriem tank is from rapid mountain torrents, and that of the Government tank from a well fed, constantly flowing river channel. When a burst of rain therefore occurs, the Shrotriem tank fills rapidly, and the surplus water passes, or rather did pass, into the Government tank. This water, however, soon runs off; the Shrotriem tank water is gradually used for cultivation, and, if it does not receive another supply, empties in a comparatively short space of time. In the meanwhile, however, the Government tank, receiving a constant supply of water from the channel, gets full, and remains so, and then I can understand that Government surplus water might very possibly flow back into the Shrotriem tank, so that when there was no division bund the Shrotriendars enjoyed a double advantage. In a sudden burst of rain they had an escape for their surplus water, and when their tank was half empty, they also had a chance of a supply. This is, in my opinion, an additional reason why the bund should be allowed to remain; but, if a weir were constructed in the bund, the same double advantage would still be enjoyed and all cause of complaint removed from the Shrotriendars.

5. I have, however, stated that I should be sorry to see the bund removed or breached, and I do not think that we are called upon to construct this weir. I feel very sanguine of a suit against the Shrotriendars to repair their tank under the present circumstances being successful; but, on the other hand, if the weir were constructed, success would, I think, be a certainty.

6. The case is a complicated one, and, therefore, I trust I may be pardoned for going into the matter in such detail.

7. I have again begged the District Engineer to expedite the preparation of the plan and estimate which shall be forwarded as soon as received. Until it is received, I presume no action is to be taken in the matter of filing a suit. The Court has now re-opened.

SUBMITTED for the orders of Government with the Board's recommendation that the construction of the proposed weir in the division bund be sanctioned.

2. The submission of the plan and estimate for the repairs to the Shrotriem tank should be expedited; but the Board do not see why application for an injunction to compel the Shrotriendars to execute the necessary repairs should be delayed on this account. The early orders of Government are requested with reference to paragraph 3, G.O., dated 14th June 1876, Revenue Department.

(A true Copy and Extract.)


Acting Secretary.

To the Secretary to Government, Revenue Department.

.. the Acting Collector of Cuddapah.

Copy to the Secretary to Government, Public Works Department.

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the District in a few days. I will
not any longer defer the report.
2. There has been some correspon-
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and myself regarding the actual
effect of the division bund on the
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opinion instead of the water flowing
from the Shrotrium to the Government
tank, the process is reversed. It ^{is said}
is true, he says, that the bed of the
Government tank is on a lower
level than the Shrotrium tank;
but he urges, each tank has a
separate water supply, and the crest
of the Government balingulab
is on a higher level than that
of the Shrotrium tank. Against
this, I have pointed out to him,
that

that, as a matter of fact, the
Shrotrium tank has no balingulab
that the escape is bundled up and
also that the Shrotrium tank fills
much more rapidly than the
Govt. tank, so that when the Shrotrium
tank is full and the Government tank
only partially so, the water would ne-
cessarily flow to the lower level, were
there no dividing bund. On a reference
to the former correspondence which
extends over several years, I note
that the late District Engineer, on
a personal inspection, found
the part where the dividing bund
is now being erected, underwater
and it was also expressly stated
when it was decided to raise the
dividing bund that the supply
channel to the Government tank
would have to be repaired, other-
wise the water supply would by
means

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J.

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9
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I have
Cuddapah Co. office } /sd/ M. Ramaswamy
on Court Warrant } Dy. Collector for
1st July 1876 } Dy. Collector

Submitted for the orders of Government with the Board's recommendation that the construction of the proposed weir in the division be sanctioned

2. The submission of the plan and estimate for the repairs to the Shrotrium Tank should be expedited. but the Board do not see why application for an injunction to compel the Shrotriumdars to execute the necessary repairs should be delayed on this account. The early orders of Government are requested with reference to paragraph 3 G.O. 14 June 1876 R.D.

/Duce copy & Extract/
/sd/ C. S. Fulton
Ag. Secretary
To The Secretary to Govt. R.D.
/Duce copy/

/sd/ C. S. Fulton
Ag. Secretary
To The Secretary to Government
P. N. D.

Diff
P. N. D.

25-7-76 No 1723.
6-7-76 - 31
4-8-76 - 1102

1876 Department
8-5073

Withalameda Shroton
Tank - in support of
Recommendation that have
been approved (see
the construction for
work in the dimensions for
between the & the present
for tank in

Proceedings of the
Board of the
dated 12 Aug 1876
No 13 -
Order 15/11/76

1876

Under instructions from Mr. C.
Buckley, the present estimates
for the Withalameda Shroton
Tank, Cuddalore District,
in connection with No. 2318
of 31 Aug. 76, are returned
to the Mr. Sect, with a view
to their being sent to the
Collector of the District through
the Revenue Dept.

Attest
25/9/76

Supdt. Comm. Br.

P.S. As the estimate are
not submitted to the office

Order - 14-8-76 Ptd 18-8-76
Order - 4-8-76 Ptd 14-8-76
Order - 2-7-76 Ptd 2-7-76
Order - 17-7-76 Ptd 17-7-76

No. 1162 - W. 1162
Note by the Chief Engineer for Irrigation
Withalameda Shroton Tank.
The estimate for the repair
and improvement of this Tank
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the raising of the full tank level
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of the Range Officer it appears that
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out

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(1) The earthwork required is trifling. The items on this account including those for stopping leakage near where the former surplus weir stood are those numbered in blue pencil 1, 2, 8 & 9, and amount altogether to Rupees 100 only.

(2) The principal expenditure entered for the bund is in connection with the reformation of the revetment. The items are marked 3 to 7 and amount to Rupees 5470.

(3) The next item is gravelling the top and slopes of the bund which with sundries comes to Rupees 200.

(4) Lastly there is the item for a surplus.

Rs. ... 152.15.10
Sundries - 7. 2
160 - 4 - 2

Rs. 5201.14.10
Sundries - 268.1-2
5470.0.0

12
The work numbered (1) & (4) are essential and it is stated in the Report that in the beginning of 1876 the Shrotrudars appear to have begun to repair the revetment of the bund. Probably, therefore, so much of the revetment work as consists of repairs the Shrotrudars admit to be necessary and will execute without pressure. Apparently the extent of this work is $154\frac{2}{3}$ cubic yards at 4 annas or Rupees 386 or with sundries say Rupees 400 out of the Rupees 5470 above shown. The rest of the work should be considered optional. Gravel backing to revetment is usually considered necessary in the case of Government tanks, as tending to render the revetment lasting, but the owner of a private tank may be left to decide for himself whether it is best worth his while to repair

Rs. 793
676
117

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which interferes with a free outfall should be removed.

Dated at Calcutta
21st Aug 1876

Wm. L. L. St. John
Chief Engineer for Irrigation

To
The Secretary to Govt. W. D.

20. July/76: No 31.
 7 June - 1423
 6 July - 1723
 CNo. 5073 -

P.W.D.
 2 SEP 76

from
 the Chief Engr for brief
 to the Secy. to Govt P.W.D.

Dated 21 Aug. 76.
 Sept. 22 Aug. 76.

Encls. 7

No. 162-W.

Sellalamadaka Shrotrum Tank
 - Cuddalore District - Note on the
 Estimate for the repair & im-
 provement of the —.

No. 705A

23-7-76
 L. Shetty 13 Aug.

No. 2318 Public Works Department.

PROCEEDINGS of the MADRAS GOVERNMENT.

UNDER date the 31st Aug 1876.

Read the following:—

Pro: Board of Rev: } No. 6681 dt. 7 Aug 76
 His' Rev. Sept }
 Note by the Ch. Engr. }
 for Survey } D. dt. 21-10-76

Recorded with
 reference to G.O. No. 2170
 dated 18th August 1876.
 It will be seen that the
 works which the Chief
 Engineer for Irrigation
 considers to be essential
 to the safety of the Sil-
 lalamadaka Shrotrum
 Tank is as follows:—

- 1st Certain repairs to the works to be
 to be estimated }
 to cost ——— } Investment — 400
- 2nd Surplus weir 140 }
 feet long - do — } — 1770

W. W. R. 1000

4. 22/8

The first of these is the
 fact that the system is
 not self-sufficient. It
 is dependent on the
 government for its
 maintenance and
 operation.

1

E. J. [unclear] Encl[unclear]
 E. J. [unclear]
 Received [unclear] the
 25/9/76
 D. J. 20/9/76

6357

Govt. of Madras.

PUBLIC WORKS.

To

The N.E. Land Dept

11-6-76

Dated

Issued

Recd

Encl.

G. O., 3/8/76, No. 2318

Nos. 705-706

V. 705/76

11-6-76

Sellalana datta
Shobrinam Santam. And
Aspale - S. - Note
by the Chief Eng: for
Eng: on Estimate
for the repairs & im-
~~provement~~ provements of
the ———— recorded
with remarks.

11/9/76