

(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.	510	Press	<i>Original</i>
~~B.P.~~ No.		Mis.	
Dated	22. 2	1952	18/5

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
22nd February 1875.*

No. 543. Read the following letter from W. A. GOODCHAP, Esq., District Engineer, Kurnool, to Lieutenant-Colonel J. MULLINS, R.E., Chief Engineer for Irrigation, dated 12th December 1874, No. 33:—

*Report on Tanks situated in the Madras Irrigation and Canal Company's
Canal in the Nundial Tank.*

With reference to your Memorandum, No. 52, dated 20th August 1874, and

1 List of Tanks above the Madras Irrigation Company's Canal.	G. O., No. 3,286, dated 20th ultimo, I
2 Sketches do.	have the honor to report that I inspected
1 Copy of Nundial Deputy Collector's letter.	on the 17th, 21st, and 22nd November
1 Estimate cost of closing breaches.	1874 the following tanks above the

Madras Irrigation and Canal Company's Canal in company with the Deputy Collector, A. Ramachendra Row, and the Tahsildar of Nundial:—

I.—Iyalur Tanks.

2. The bunds of these tanks were breached in three places in July 1874, which the villagers have temporarily closed, and they state that no wilful cut was made in the bunds, but the water overtopped them. The crops at the time were and are in the contour of the beds proper, and such cultivation was authorized by the Revenue authorities, (*vide* copy of the Deputy Collector's letter, No. 199, dated 17th October 1874, attached.) Where the breaches exist, it is not the deepest part of the tank bed, but about the average depth of it. These tanks are supplied from the Palar (one of the feeders to the Nundial tanks) through an old regulating masonry work of three openings, each about 3 feet in breadth; but, as the Palar banks were breached in many places, and 50 yards in length just above the masonry work referred to above, there is no doubt that the breaches were caused by the sudden rush of water into the tanks. The Revenue authorities, I am informed, have fully gone into the case, but have not been able to convict any of the ryots of cutting the bund. I beg to observe that in Mr. Dodson's monthly report for July 1874, embodied in G. O., No. 2,663, of 18th September 1874, he states that the "Palar river had burst its banks and flooded great part of the district, and was headed up at aqueduct No. 20; also that the Palar river sent a large body of water into the Iyalur tanks, the bunds of which were cut by the ryots of Iyalur, and that the flood waters were allowed to rush down over the fields, until intercepted by the spoil banks on the 109th mile." The water rose passing under the canal by culvert No. 20 until the pressure of the head of water greatly endangered the safety of the structure; and to relieve the culvert, Mr. Dumphy cut the eastern bank of the canal just below and allowed the flood to flow down the canal into the 8th section.

3. It is necessary, for your information, to describe the two tanks at Iyalur before noticing culvert No. 22.

4. The village of Iyalur has two tanks; their bunds are long, low, and in very bad order; their beds are cultivated almost up to the bunds. They are very shallow, 2 feet being about the average depth of water retained in them in their present state of repair.

*Proceedings of the Madras Government, Public Works Department,
22nd February 1875.*

5. With reference to culvert No. 22, my opinion is, even if the tanks Iyalur are put into good order, that it is not large enough to pass the surplus water from the proposed improved natural waste weir of the tanks. I may here remark that the canal authorities appear to have recognized that fact, as Mr. Dumphy informed me that they were going to construct a masonry inlet at calingulah at the point where the upper bank of the canal is breached.

6. I have instructed the Range Officer to carefully close the breaches in the Iyalur tanks and enlarge the natural escape weir at once, and to frame estimates for putting the tanks into thorough order, as also its feeder from the Palar. The plans and estimates will be forwarded in due course.

II.—Chinna Devalapuram Tummala Tank, Pedda Devalapuram Erra and Santajutur Santanapu Tanks.

7. These three tanks were also breached on the 18th July 1874. The first tank that breached was Chinna Devalapuram Tummala tank, after which the other two breached almost simultaneously. The cause of the first tank breaching was owing to the ryots of that village having cut without authority a channel from the Muddalair, a large jungle stream from the Nullamala range of hills, into their tank. From inquiries I learn that the ryots of Chinna Devalapuram excavated a new channel from Muddalair river to their tank last year, in the months of October and November 1873, without the permission of the Revenue authorities, or the knowledge of this department. The consequence was that too much water entered the tank by this new channel, as it has a fall of 18·34 feet per mile and is about six miles in length, with an open head; besides this new channel, there are two old supply channels to the tank, which the villagers stated were quite sufficient and even more than was required in favorable years of rainfall for the supply of their tank. There appears to be no doubt that the bund of the tank was overtopped for a length of 123 yards, and in height one foot, thereby causing breaches measuring as follow:—

YDS. YDS.
Length 25 × 3 in depth.
" 23 × 7 "
" 27 × 3½ "
" 11 × 3 "

The tank* was under repair at the time of the breaches, at an estimated cost of Rupees 3,200. As soon as the flood waters of the Chinna Devalapuram Tummala tank entered the Pedda Devalapuram Erra and Santajutur Santanapu tanks, it overtopped the bunds of both tanks to a height of one foot, breaching them in five places as follows:—

YDS. YDS.
Length 7 × 3½ in depth. } Pedda Devalapuram Erra tank.
" 28 × 6½ " }
" 30 × 2 " }
" 20 × 6 " } Santajutur Santanapu tank.
" 7 × 2½ " }

I inspected the damage said to have been done to the Madras Irrigation Canal banks near Jutur and below up to the canal bridge on the 95th mile by the breaching of Government tanks, and found on examination that the surplus

*Proceedings of the Madras Government, Public Works Department,
22nd February 1875.*

water from the three tanks above referred to falls into the Salah Vagu, marked X in the sketch enclosed. It would appear that the Vagu overflowed at the point Y, and, passing down A B C D E, got dammed up against the upper canal bank at E and breached the bank at F. Opposite E is a masonry work, which, in my opinion, is not of sufficient capacity to pass ordinary flood waters into the canal; an elevation of this masonry work, marked G, is enclosed for information. I was informed that the canal bank breached at point F three years ago, and I found only one breach recently closed, and that at the same point.

8. If the approach to the bridge at Z be lengthened and raised, and the bed of the Vagu deepened at that point, it will prevent the Vagu overflowing and admit of the water passing freely and straight through the canal bridge.

9. I beg to state that I am of opinion that the villagers of Chinna Devalapuram should be severely punished for cutting the channel (a longitudinal* and cross sections* of which are enclosed) and be made to pay at least a moiety of

* Will be sent by the Collector.

the damage done to the tanks; an approximate estimate of which is forwarded.

10. I have addressed the Collector on the subject with a request that he will be good enough to order the channel to be closed at once by the ryots.

11. The breaches in the three tanks above referred to have been partly closed, and the natural escapes enlarged. Estimates and plans for thorough repairs, etc., were forwarded to your address with letter, No. 31, dated the 9th instant.

12. I enclose a statement showing the number of tanks above the Madras Irrigation Company's Canal in the Nundial Taluq, with remarks, and to report that, as the canal is on the water shed of the district in Sirwell, no Government tanks lie above it in that taluq.

List of Tanks above the Madras Irrigation Company's Canal in Nundial Taluq.

No.	Name of Tanks.	Average Revenue under the Tank.	Approximate Distance from the Canal in Miles.	Remarks.
1	Pedda Devalapuram Erra tank	RS. A. P. 959 11 2	2	Estimate submitted. Emergent repairs in progress, and new natural escape being formed.
2	Chinna Devalapuram Tummala tank.	1,256 2 5	3	Under repair. Do. nearly completed.
3	Narayanpuram Bramhana tank	1,091 8 0	4	An estimate will be submitted in due course.
4	Do. new tank	404 12 10	3½	Has been repaired thoroughly.
5	Santajutur Santanapu tank	997 10 0	2½	Estimate has been submitted with letter No. 31, dated 9th December 1874.
6	Galichennapaliem Patha Chervu, or old tank.	1,173 7 11	3	An estimate will be sent shortly.
7	Do. new tank	1,059 11 3	2½	Thoroughly repaired lately.
8	Do. Nemilla tank	403 1 7	3½	Estimate has been submitted with letter, No. 31, dated 9th December 1874.

Proceedings of the Madras Government, Public Works Department
22nd February 1875.

List of Tanks above the Madras Irrigation Company's Canal in Nundial Taluq.—(Co.)

No.	Name of Tanks.	Average Revenue under the Tank.	Approximate Distance from the Canal in Miles.	Remarks.
9	Ramapuram Vaddevanikunta ...	RS. A. P. 191 13 1	2	Repaired only three years ago; wants a large natural outlet. Will have attention.
10	Do. Amidala tank ...	790 7 0	3	Do. do.
11	Bandiatmakur small tank ...	1,020 11 8	2	In good order; only want natural outlet.
12	Kadamalakalva Prama tank ...	1,103 13 8	3½	Estimate will be submitted due course.
13	Byapukodur tank ...	955 9 10	50 Yards.	Under repair.
14	Thammadapalle tank ...	614 11 6	2	An estimate will be sent shortly.
15	Iyalur north tank ...	398 12 3	1	Orders have been issued the Range Officer to close breaches and enlarge the natural escape at once, and frame estimates for thorough repairs. Plans and estimates will be forwarded shortly.
16	Do. small tank ...	288 13 0		

KURNOOL,
12th December 1874.

(Signed) W. A. GOODCHAP,
District Engineer.

From A. RAMACHENI RA ROW, Deputy Collector of Kurnool, to the Supervisor in charge Nundial Range, dated Nundial, 17th October 1874, No. 199.

With reference to your letter, No. 347, dated 6th instant, I have the honor to inform you that the cultivation in the bed of the North Ayalur tank has been carried on from several years. The ryots hold puttas for such lands from even before the paimaish in some cases.

2. The extent of lands so cultivated is given in the margin.

Government	Extent Acres.
...	87.35
...	9.37
...	96.72

Estimate cost of closing breaches in the Santajutur Santanapu, Pedda Devalapuram Erra and Chinna Devalapuram Tummala Tanks caused by the new channel cut by the Ryots of Chinna Devalapuram without the consent of the Revenue Authorities or knowledge of this Department.

Description of Work.
SANTAJUTUR SANTANAPU TANK.
1st Breach.

Description of Work.	Amount.
Removing silt and cutting steps including baling	RS. A. P. 85 9 4
Earth-work...	412 2 0
Wet tamping in 9-inch layers	88 5 0
Turfing	19 14 0

Proceedings of the Madras Government, Public Works Department,
22nd February 1875.

2nd Breach.		Amount.
RS.	A. P.	
Removing silt and cutting steps including baling	...	2 5 4
Earth-work...	...	7 9 6
Tamping	...	2 8 6
Turfing	...	2 7 4
Earth-work allowed for shrinkage	...	22 8 0
Sundries and Superintendence	...	66 11 0
Total	...	710 0 0

PEDDA DEVALAPURAM ERRA TANK.

1st Breach.		Amount.
RS.	A. P.	
Removing silt including baling	...	33 10 8
Earth-work for filling breach	...	92 5 0
Tamping	...	19 12 6
Turfing	...	4 13 6

2nd Breach.		Amount.
RS.	A. P.	
Removing silt including baling	...	124 10 8
Earth-work for filling breach	...	659 1 6
Tamping	...	14 3 9
Turfing	...	29 6 6
Earth-work allowed for shrinkage...	...	65 3 4
Sundries and Superintendence	...	160 0 7
Total	...	1,330 0 0

CHINNA DEVALAPURAM TUMMALA TANK.

1st Breach.		Amount.
RS.	A. P.	
Opening bund	...	43 12 0
Earth-work to fill the breach	...	76 9 0
Tamping	...	16 6 6
Turfing	...	3 14 6

2nd Breach.		Amount.
RS.	A. P.	
Removing silt and cutting steps and baling	...	105 0 0
Earth-work to fill the breach	...	593 1 8
Tamping	...	127 1 6
Turfing	...	13 7 0

3rd Breach.		Amount.
RS.	A. P.	
Removing silt and cutting steps and baling	...	47 0 0
Earth-work...	...	177 10 0
Tamping	...	38 1 0
Turfing	...	7 13 6

4th Breach.		Amount.
RS.	A. P.	
Removing silt and cutting steps and baling	...	27 1 4
Earth-work	...	157 5 8
Tamping	...	33 11 6
Turfing	...	3 10 0

Proceedings of the Madras Government, Public Works Department,
22nd February 1875.

5th Breach.				Amount.		
				Rs.	A.	P.
Removing silt and cutting steps and baling	...	...	...	10	10	8
Earth-work...	...	...	...	51	10	0
Tamping	...	...	...	11	1	0
Turfing	...	...	...	1	7	0
Earth-work allowed for shrinkage	...	...	...	103	0	0
Sundries and Superintendence	...	...	...	168	10	2

Total ... 1,820 0 0
Add the cost of 1,500 cubic yards of earth-work done as per estimate sanctioned in G. O., No. 637, of 10th March 1874, and washed away when the water overtopped the bund ... 235 0 0

Total Rupees of damage done ... 2,055 0 0

Abstract.						
Santajatur Santanapu tank	...	...	...	710	0	0
Pedda Devalapuram Erra tank	...	...	...	1,330	0	0
Chinna Devalapuram Tummala tank	...	...	...	2,055	0	0
Grand Total of damage done	...	...	...	4,095	0	0

(Signed) W. A. GOODCHAP,
District Engineer.

KURNOOL,
12th December 1874.

No. 544.

ORDER THEREON, 22nd February 1875, No. 510.

IRRIGATION, No. 43.

From the foregoing report it appears that the Iyalur tanks were not cut by the villagers as had been supposed, but their bad state of repair and the overflow of the Palar into them led to their breaching. It would seem that the embanking of the Palar to prevent its flood waters spreading over the country is needful; and, with regard to the circumstances of the Iyalur tanks given in paragraph 4 of the District Engineer's letter, it would appear to be desirable that it should be ascertained whether their retention is necessary, as nearly all their beds are cultivated.

2. The attention of the Chief Engineer and Manager, Madras Irrigation and Canal Company, will be requested to the remarks in paragraph 5 of Mr. Goodchap's letter.

3. A further report as to the result of the Collector's investigation into the proceedings of the ryots of Chinna Devalapuram in cutting a new supply channel without permission will be awaited. The consequence was the breaching of this tank and of two others below it, and the estimated cost of the repairs is the large sum of Rupees 4,095. The District Engineer has not stated whether the improvements to the surplus weir provided for in the estimate sanctioned in G. O., No. 637, of the 10th March 1874, had been completed or not. The first thing necessary is to provide for the escape of surplus, and, if tanks cannot safely retain a full supply, the crests of their surplus weirs should be temporarily lowered until the bunds have been put to rights.

Proceedings of the Madras Government, Public Works Department,
22nd February 1875.

4. It may be remarked in connection with the latter part of paragraph 8 of the District Engineer's letter, that the sketch forwarded indicates that damage to the canal just below the head of the 7th section can easily be prevented, and his recommendations will be brought to Mr. Latham's notice.

(True Extract.)

Colonel, R.E.,

Secretary to Government.

To the District Engineer, Kurnool.
" Chief Engineer for Irrigation.
" .. and Manager, Madras Irrigation and Canal Company, with two tracings.
" Revenue Department.

Exd. A. Grubert.

Spare Copies

No. 33

District Engineer's Office,

Camp

Kurnool

Tatuk

The 12th December 1874,

From,

The District Engineer,

Kurnool,

To,

The Chief Engineer

for Irrigation

Madras.

Enclosures,

Subject. Report on Tanks situated in the M.C.
& Canal Company's Canal in the Nandial Tank.

Sir,

With reference to your memorandum

No 52 dated 20th August 1874, and G.O. No 3,286
dated 20th ultimo, I have the honor to report,that I inspected on the 17th, 21st & 22nd November
1874 the following Tanks above the Madras

Irrigation & Canal Company's Canal in

Company with the Deputy Collector S. Ramachandra
Row and the Tahsildar of Nandial.I. Iyalur Tanks2. The bunds of these tanks were breached
in three places in July 1874, which the Villagers
have temporarily closed, and they state that
no wilful cut was made in the bunds, but
the water overtopped them. The crops at
the time were and are in the contour of the
beds proper, and such cultivation wasSent to Mr. Ch. ...
on 12 Dec 1874
with 12 ...
No 258 -

1. List of Tanks above the M.C. Company's Canal.
2. Sketches - 5 -
- X Copy of Nandial Df. Collr's letter.
1. Estimate cost of closing breaches.

Printed at
Enclosures
12 Dec 1874
No 258 -

authorized by the Revenue Authorities, (Vide Copy of the Deputy Collector's letter No 199 dated 17th October 1874, attached.) Where the breaches exist, it is not the deepest part of the tank bed, but about the average depth of it. These tanks are supplied from the Palār (one of the feeders to the Nandial Tanks) through an old regulating masonry work of 3 openings, each about 3 feet in breadth, but as the Palār banks were breached in many places, and 50 yards in length just above the masonry work referred to above, there is no doubt that, the breaches were caused by the sudden rush of water into the Tanks. The Revenue Authorities, I am informed, have fully gone into the case, but have not been able to convict any of the Ryots of cutting the bund. I beg to observe that in Mr Dodson's monthly report for July 1874, embodied in G.O. No 2663 of 18th September 1874, he states that the "Palār River had burst its banks, and flooded great part of the District, and was headed up at Aqueduct No 20, also that the Palār River sent a large body of water into the Dyalur Tanks, the bunds of which were cut by the Ryots of Dyalur, and that the flood waters were allowed to rush down over the fields, until intercepted by the spoil banks on

the 109th mile. The water rose passing under the Canal by Culvert No 20 until the pressure of the head of water greatly endangered the safety of the structure; and to relieve the Culvert, Mr. Dimpfley cut the Eastern bank of the Canal just below, and allowed the flood to flow down the Canal into the 8th section.

3. It is necessary for your information to describe the two tanks at Dyalur before noticing Culvert No 22.

4. The village of Dyalur has two tanks, their bunds are long, low and in very bad order; their beds are cultivated almost up to the bunds. They are very shallow, 2 feet being about the average depth of water retained in them, in their present state of repair.

5. With reference to Culvert No 22 my opinion is, even if the tanks at Dyalur are put into good order that, it is not large enough to pass the surplus water from the proposed improved natural waste weir of the tanks. I may here remark that the Canal Authorities appear to have recognized that fact, as Mr. Dimpfley informed me that they were going to construct a masonry inlet or *balingulahi* at the point

where the upper bank of the Canal is breached.

b. I have instructed the Range Officer to carefully close the breaches in the Dryatir Tanks & enlarge the natural escape weir at once, and to frame estimates for putting the Tanks into thorough order, as also its feeder from the Palar. The Plans and Estimates will be forwarded in due course.

II. Chinna Devalapuram Tummala Tank
Pedda Devalapuram Erra and
Santajutur Santanapur Tank.

7. These three tanks were also breached on the 18th July 1874. The first tank that breached was Chinna Devalapuram Tummala Tank, after which the other two breached almost simultaneously. The cause of the first tank breaching, was owing to the Ryots of that village having cut without Authority a channel from the Muddalai a large jungle stream from the Nallamalla Range of Hills into their tank. From inquiries I learn that, the Ryots of Chinna Devalapuram, excavated a new channel from Muddalai River to their tank, last year, in the months of October & November 1873, without the permission of the Revenue

According to the
Plans will require
about Rs. 1000,

G. 6. No 637 dated
10th March 1874.
Shewed not the
Ryots to be liable
Answer as to the
the damage.

Authorities or the knowledge of this Depart-
ment. The consequence was that, too much
water entered the tank by this new Channel,
as it has a fall of 18.34 feet per mile and is
about 6 miles in length, with an open head,
besides this new Channel, there are two old supply
Channels to the tank, which the Villagers stated
were quite sufficient and even more than was
required in favorable years of rain-fall for the
supply of their tank. There appears to be no
doubt that the bund of the tank was overtopped
for a length of 123 yards, and in height one foot thereby
causing breaches measuring as follows.

Length - ^{Yds} 25 x ^{Yds} 3 in depth.	} The tank was under repair at the time of the breaches at an estimated cost of Rs 3200. As soon as the flood waters of the Chinna Devalapuram Tummala Tank entered the Pedda Devalapuram Erra and Santajutur Santanapur Tanks, it overtopped the bunds of both tanks to a height of one foot, breaching them in 5 places as follows.
— 23 x 7 —	
— 27 x 3 1/2 —	
— 11 x 3 —	
Length - ^{Yds} 7 x ^{Yds} 3 1/2 in depth.	} Pedda Devalapuram Erra Tank.
— 28 x 6 1/2 —	
— 30 x 2 —	

Length ^{9 ft} 20 x ^{6 ft} 6 in depth } Santajur
 " " 7 x 2 1/2 " } Santanapur tank.

I inspected the damage said to have been done to the Madras Irrigation Canal banks near Juturi and below up to the Canal Bridge on the 95th mile, by the breaching of Government Tanks, and found on examination that the surplus water from the 3 Tanks above referred to falls into the Salak Vagu marked X on the sketch enclosed. It would appear that, the Vagu overflowed at the point Y and passing down A B C D E got dammed up against the upper Canal bank at E and breached the bank at F. Opposite E is a masonry work, which, in my opinion, is not of sufficient capacity to pass ordinary flood waters into the Canal; an elevation of this masonry work marked G is enclosed for information. I was informed that the Canal bank breached at point F, three years ago, and I found only one breach recently closed, and that at the same point. 8. If the approach to the bridge at Z be lengthened and raised and the bed of the Vagu deepened at that point, it will

prevent the Vagu overflowing and admit of the water passing freely & straight through the Canal bridge.

* will be sent
by the Collector

9. I beg to state that, I am of opinion that, the Villagers of Chinna Devalapuram should be severely punished for cutting the channel, a Longitudinal and Cross sections of which are enclosed, and he made to pay at least, a moiety of the damage done to the Tanks; an approximate estimate of which is forwarded.

10. I have addressed the Collector on the subject with a request that he will be good enough to order the Channel to be closed at once by the Ryots.

11. The breaches in the three Tanks above referred to, have been partly closed and the natural escapes enlarged. Estimates and plans for thorough repairs &c were forwarded to your address with letter No 31 dated the 9th Instant.

Vol. 1 B. C. S. 18
 7-3-18
 2376-Sub.
 11-2-38

12. I enclose a statement shewing the number of tanks above the Madras Irrigation and Company's Canal in the Sandial Talug, with remarks, and to report that, as the Canal is on the water shed of the District in Tirwell no Government tanks lie above it in that Talug.

I

¹⁰
I have the honor to lie

Sir,

Your Most Obedient Servant

K. H. Goodchap
District Engineer

W. H. H. C.

P.W. 1875-76 Sept.
 From The District Engineer
 No. 517

To The Chief Engineer
 for Irrigation
 Madras.

Dated 12th December 74
 Received 26th January 75

Report on Tanks
 Situated in the Mad.
 & Canal Company's
 Canal in the Sandial
 Tank & breached in
 July last.

No. 510. 22-2-75.

No. 543

No.
 1029-1-75

Estimate cost of closing breaches in the
 Santajutor Santanapur Pedda Devalapuram Erra
 and Chinna Devalapuram Summalah Tanks
 Caused by the new channel cut by the Ryots
 of Chinna Devalapuram without the consent of
 the Revenue Authorities or knowledge of this
 Department.

Description of work.		Amount
<u>Santajutor Santanapur Tank</u>		
1 st Breach		
Removing silt & cutting steps including baling	85	9 4
Earthwork	412	2 "
Wet tamping in quick layers	88	5 "
Surfing	19	14 "
2 nd Breach		
Removing silt & cutting steps including baling	2	5 4
Earthwork	7	9 6
Tamping	2	8 6
Surfing	2	7 4
Earthwork allowed for shrinkage	22	8 "
Sundries and Superintendence	66	11 "
Total Rupees	710	" "

<u>Pedda Devalapuram Erra tank</u>		
1 st Breach		
Removing silt including baling	33	10 8
Earthwork for filling Breach	92	5 "
Tamping	19	12 6
Surfing	4	13 6
Carried over	150	9 8

Brought forward		150	9	8
2. Breach	Removing silt including baling	124	10	8
	Earthwork for filling breach	659	1	6
	Tamping	141	3	9
	Surfing	29	2	6
	Earthwork allowed for shrinkage	65	3	4
	Sundries & Superintendence	160	-	7
	Total Rupees	1330	-	-

Chinna Devalapuram Tummala Tank				
1. Breach	Opening bund	43	12	-
	Earthwork to fill the breach	76	9	-
	Tamping	16	6	6
	Surfing	3	14	6

2. Breach	Removing silt & cutting steps & baling	105	-	-
	Earthwork to fill the breach	593	1	8
	Tamping	127	1	6
	Surfing	13	7	-

3. Breach	Removing silt & cutting steps & baling	47	-	-
	Earthwork	177	10	-
	Tamping	38	1	-
	Surfing	7	13	6

4. Breach	Removing silt & cutting steps & baling	27	1	4
	Earthwork	157	5	8
	Tamping	33	11	6
	Surfing	3	10	-

Carried over 1471 9 2

Brought forward		1471	9	2
5. Breach	Removing silt & cutting steps and baling	10	10	8
	Earthwork	57	10	-
	Tamping	11	1	-
	Surfing	1	7	-
	Earthwork allowed for shrinkage	105	-	-
	Sundries & Superintendence	168	10	2
	Total Rupees	1820	-	-

Add the cost of 1500 Cubic yards of earthwork done as per estimate sanctioned in G.O. No. 637 of 10 March 1914 and washed away when the water overtopped the bund } 235 - -

Total Rupees of Damage done 2055 - -

Abstract				
Santajitpur Santanapur Tank	710	-	-	-
Peda Devalapuram Erva Tank	1330	-	-	-
Chinna Devalapuram Tummala Tank	2055	-	-	-
Grand Total of Damage done	4095	-	-	-

District Engineer's Office
Kurnool
12 December 1874

W. Goodchap
District Engineer

From the District of
Columbia

To the Chief Engineer
for the Department
of War

October 12, 1874

Received of the
Estimate of the
Commissary of the

War

Mr. S. H. 1/25

List of Tanks above the Madras Irrigation Company's Canal in Hindial Taluq.

No.	Name of Tanks	Average Approximate		Remarks
		Revenue	distance from the Canal in Tanks miles	
1	Pedda Divalapuram Ena Tank	959 11 2	2	Estimate submitted. Emergent repairs in progress, and new natural escape being formed.
2	Shrma Divalapuram Annamala Tank	1256 2 5	3	Under repair—do—nearly completed.
3	Narayanaipuram Braunhara Tank	1091 9 0	4	An estimate will be submitted in due course.
4	do New Tank	404 12 10	3 1/2	Has been repaired thoroughly.
5	Santajatis Sauterapur Tank	997 10 0	2 1/2	Estimate has been submitted with letter of 31 dated 9 December 1874.
6	Gulichemmapalam Pitha Cherru	1173 7 11	3	An estimate will be sent shortly.
7	do New Tank	1059 11 3	2 1/2	Thoroughly repaired lately.
8	do Kamilla Tank	408 1 7	3 1/2	Estimate has been submitted with letter of 31 dated 9 December 1874.
9	Ramapuram Paddestunkunta	191 13 1	2	Repaired only 3 years ago, wants a large natural outlet. Will have attention.
10	do Annidala Tank	790 7 0	3	do do do
11	Bandiattamabes Small Tank	1000 11 8	2	In good order, only wants a natural outlet.
12	Madamalakalora, Prana Tank	1103 13 8	3 1/2	Estimate will be submitted in due course.
13	Rajapurkadies Tank	955 9 10	50 yards	Under repair.
14	Uthammadapalle Tank	616 11 6	1/2	An estimate will be sent in shortly.
15	Dyalies North tank	898 12 3	1	Orders have been issued to the Range Officer to close breaches and enlarge the natural escape at once, and frame estimates for thorough repairs.
16	do Small tank	288 13 0	1	Plans & estimates will be forwarded shortly.

District Engineer's Office
Kurnool 12 December 1874.

W. J. P. Chap
District Engineer
Kurnool.

From The District Engineer
Thumroob
To The Chief Engineer
for Irrigation

Dated 12th December 74
Received

List of Tanks
above the Muzer
Irrigation Company
Canal in Thumroob
Taluk

Ch. 2/10/75

Ms. 17/75



No. 199. Thumroob District Office.
Thumroob, 12th Dec 1874.
From, The Deputy Collector of
Thumroob.
To, The Supervisor in charge
Thumroob Range.

Sir, With reference to your letter No 347
dated 6th Instant, I have the honor to inform
you that the cultivation in the bed of the
North Ryahur Tank has been carried on
from several years. The Ryots hold Pattas
for such lands from even before the
Paimaish in some cases.

2. The extent of lands so cultivated
is given
in the margin.
Extent acres.
Government. 87.35.
Inam — 9.37
96.72.

I have &c.
Signed A. Ramachandrarao
Deputy Collector

True Copy

K. H. Goodchap
District Engineer
12th 12/74.

10
 P. b. kept
 Proceedings of the Madras Government
 Read the following.

From the District Engineer
 Rurnool } (M. No 33. d/12 Decr/74)

510

From the foregoing report it appears that the Iyalur tanks were not cut by the Villagers as had been supposed, but their bad state of repair and the overflow of the Palar into them led to their breaching. It would seem that the embanking of the Palar to prevent its flood waters spreading over the country is needful, and, with regard to the circumstances of the Iyalur tanks given in para 4 of the

From
 The District Engineer
 Rurnool
 To The Chief Engineer
 for Orissa

Debr 12 } Decem-74
 Recd

Copy of a Memo
 & Colles letter for
 information

G.O. 570-22-2-75

CC. 1/378/74
 M. 517/75

M. 1/2

the District Engineer's letter, it would appear to be desirable that it should be ascertained whether their retention is necessary as nearly all their beds are cultivated.

2. The attention of the Chief Engineer and Manager, Madras Irrigation and Canal Company, will be requested to the remarks in para 5 of Mr. Goodchap's letter.

3. A further report as to the result of the Collector's investigation into the proceedings of the ryots of Chinna Devalapuram in cutting a new supply channel without permission will be awaited. The consequence was the breaching

31 ||
breaching of this tank and of two others below it, and the estimated cost of the repairs is the large sum of Rupees 4095. The District Engineer has not stated whether the improvements to the surplus weir provided for in the estimate sanctioned in G. O. No. 637 of the 10th March 1874, had been completed or not. The first thing necessary is to provide for the escape of surplus, and if tanks cannot safely retain a full supply the crests of their surplus weirs should be temporarily lowered until the bunds have been

been put to rights.

1. It may be remarked
in connection with the
latter part of para 8 of
the District Engineer's letter,
that the sketch forwarded
indicates that damages to
the Canal just below the
head of the 7th Section can
easily be prevented, and
his recommendations will
be brought to Mr. Latham's
notice.

1/2

May 23/75

AMW

50

5

To The Dist. Engr. Kurnool
" Chief Engr. for Irrigation
" do & Manager M. S. &
C. Co. with
two tracings of
" Prov. Department.

622-1-75

23-2-75

517

Govt. of Madras
PUBLIC WORKS.

30

The District Engineer
Thiruvol

Dated

Recd.

Encl. 5

G. O. 22 Febry. 570

No. 543-544.

Tanks

Thiruvol D.

Passing orders on
the Report submitted
by the D. E. relative
to the breaching of certain
Tanks above the Madras
S. & Canal Company's
Canal in the Mundial
Talook in July last-