M.R.O. 1—77,006—8-6-37.

(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.	2969	Press / Mis.
306, 314, 316A		
Dated	14-12-	18 72.

Not to be folded or roughly handled

Read the following papers :—

No. 305. From Lieutenant-Colonel J. F. FISCHER, R. E., Acting Superintending Engineer, 1st Division, to the Acting Chief Engineer for Irrigation, dated Dowlaishweram, 19th November 1872, No. 2,966.

I HAVE the honour to report that as soon as possible after my return from Vizagapatam District I proceeded to Ellore and have examined all the breaches in the canal. The damage done had been quickly repaired by Mr. Walch and the communication opened as soon as could possibly be expected after so severe a fall of rain as that shown in the accompanying copy of the register for October last.

One copy of Rainfall Register.
Cost under Rupees 3,000.

2. The breaches all took place by the Tamilair rising to a most unusual height, breaching its bank, and rushing into the large drainages about Dendooloor, and even then had the so-called self-acting shutters done their work I do not think so much damage would have occurred. As it was, some of these did not turn at all, and those which did open were at once choked by trees and other debris catching in their balance beams and thus impeding the outflow of the water. There is no necessity for retaining these shutters, and I have directed Mr. Walch to remove them and raise all outlets to the level of water to be maintained in the last reach of the Ellore Canal; any surplus water will thus have perfectly free means of escape, and, as it is quite evident the Tamilair rises in such seasons and overtops its very low banks and discharges its waters into this reach, I have requested him to construct an additional outlet of 300 feet in length at the Ponangy escape to provide against this contingency. The canal has, of course, silted up a good deal, and it is difficult to keep open the communication; but Mr. Walch is doing his utmost to get this removed both by dredging and ordinary labour.

From Bumadah to Ellore.

3. This portion of the canal has not suffered near so much as the Kistna part, where the breaching has been very severe indeed, and where it will be necessary to provide for larger outlets than any in existence to prevent the recurrence of such accidents.

4. The town of Ellore has suffered a good deal; but on this point the Government have been addressed by the Collector.

5. There are at Ellore a number of Pensioners with their families, as also the families of Native Infantry Regiments serving abroad, and these people must have suffered great losses in such an inundation in so low-lying a locality. I beg respectfully to suggest a public subscription be raised to afford them relief and to place Rupees 100 at the disposal of the Municipality for this purpose.

Register of Rainfall in No. 4 Range, Godavery, for the Month of October 1872.

Date.	At Range Office.
1st October 1872	0·40
2nd ,, ,, ...	...
3rd ,, ,, ...	0·60
4th ,, ,, ...	8 27
5th ,, ,, ...	2·40
6th ,, ,, ...	...
7th ,, ,, ...	...
8th ,, ,, ...	...
9th ,, ,, ...	2·47
10th ,, ,, ...	...
11th ,, ,, ...	...
12th ,, ,, ...	...
13th ,, ,, ...	...
14th ,, ,, ...	...
15th ,, ,, ...	1·80
16th ,, ,, ...	0 97
17th October 1872	...
18th ,, ,, ...	...
19th ,, ,, ...	0·31
20th ,, ,, ...	1·20
21st ,, ,, ...	...
22nd ,, ,, ...	...
23rd ,, ,, ...	...
24th ,, ,, ...	...
25th ,, ,, ...	...
26th ,, ,, ...	...
27th ,, ,, ...	...
28th ,, ,, ...	...
29th ,, ,, ...	...
30th ,, ,, ...	...
31st ,, ,, ...	...
Total...	18·42

CAMP AT GOKEVARUM,
6th November 1872.

(Signed) J. F. DORWARD, Lieutenant, R. E.,
Executive Engineer, Ellore Range.

No. 295.

No. 306. *Note by the Acting Chief Engineer for Irrigation.*

FORWARDED to Government in continuation of Note No. 275, dated 16th instant.

2. Until the actual requirements of the Ellore Canal in the way of capacity of discharge of surplus water which must pass across it have been determined it would be well not to build up the weirs as proposed by the Superintending Engineer to the ordinary supply-level, but to retain the water above the present level of the weirs by means of baulks, so that when floods have to be passed across the canal a large body of water may be discharged without raising the water-level in the canal to any considerable extent.

3. The 300 feet additional outlet is, it is presumed, a temporary escape formed by cutting away the bank where the padugay or lunka is high and by revetting the bank adjacent, by way of forming wings and of preventing the gap from becoming enlarged.

FORT ST. GEORGE,
28th November 1872.

(Signed) R. F. OAKES, Major, R. E.,
Acting Chief Engineer for Irrigation.

No. 306A. ORDER THEREON, 14th December 1872, No. 2,969.

IRRIGATION, No. 19.

COMMUNICATED to the Godavery District Engineer, who will conform to the instructions in paragraph 2. His attention is also called to the remarks in paragraph 3.

2. The recommendation made in the last paragraph of Lieutenant-Colonel Fischer's letter will be considered in the Public Department.

(True Extract.)

Colonel, R. E.,
Secretary to Government.

To the District Engineer, Godavery.
,, Chief Engineer for Irrigation.
,, Public Department.
Exd. A. S. Rodgers.

Register of Rainfall in No 4 Range Godavery for the month of October 1872

Date	At Range Office.
1872 October 1st	" 40
2d	" "
3d	" 60
4th	8 27
5th	2 40
6th	" "
7th	" "
8th	" "
9th	2 47
10th	" "
11th	" "
12th	" "
13th	" "
14th	" "
15th	1 80
16th	" 97
17th	" "
18th	" "
19th	" 31
20th	1 20
21st	" "
22d	" "
23d	" "
24th	" "
25th	" "
26th	" "
27th	" "
28th	" "
29th	" "
30th	" "
31st	" "
Total	18 42

No 4 Range office
Camp Gokavaram
6th Novr 72

/ Signed / J. F. Dorward Lt R.E.
Executive Engr Ellore Range
(True Copy).
Wm F. Fischer Lieut Col R.E.
Supt Godavery Irrigation & Canal Division

P. W. D. 888/72.

Enclosure in a letter
No. 2966 dated 19th Nov/72
from the Superintending
Engineer 1st Division
to the Chief Engineer
for Irrigation Madras

1st/72

SUPERINTENDING ENGINEER'S OFFICE, 1ST DIVISION

DOWLAISHWARUM, 19th November 1872.

Despr 20th Do 500

No. 2966

From

Lieut. Col J. T. Fischer RE
Acting Superintending Engineer
1st Division

To

Major R. J. Oakes RE
Acting Chief Engineer for Irrigation
MADRAS

SIR,

Enclosure one

Cost limited Rs 3000.

I have the honor to report that as soon, after my return from Vizagapatam as practicable District I proceeded to Eldore and have examined all the breaches in the Canal; the damage done had been quickly repaired by Mr Walch and the communication opened as soon as could possibly be expected after so severe a fall of rain as that shewn in the accompanying Copy of the register for October last.

2 The breaches all took place by the Tamlan rising to a most unusual height, breaching its bank and rushing into the large drainages about Dendooloor, and even then had the so called self-acting shutters done their work, I do not think so much damage would have occurred; as it was, some of these did not turn at all, and those which did open were at once choked by trees and other debris catching on their balance beams and thus impeding

impeding the outflow of the waters: there is no necessity for retaining these shutters, and I have directed Mr. Walch to remove them and raise all outlets to the level of water to be maintained in the last reach of the Ellore Canal, any surplus water will thus have perfectly free means of escape and as it is quite evident the Familain pises in such seasons over-tops its very low banks and discharge its waters into this reach, I have requested him to construct an additional outlet of 300 feet in length at the Ponangy escape to provide against this Contingency; the Canal has of course silted from Berem up a good deal and it is difficult to keep open the communication, but Mr. Walch is doing his utmost to get this removed both by dredging and ordinary labor.

3 This portion of the Canal has not suffered near so much as the Kistna part where the breaching has been very severe indeed and where it will be necessary to provide for larger outlets than any in existence to prevent the recurrence of such accidents.

4 The town of Ellore has suffered a good deal, but on this point the Government have

have been addressed by the Collector —

5 There are at Ellore a number of Pensioners with their families, and also the families of N.I. Regiments serving abroad and these people must have suffered great losses in such an innundation in so low-lying a locality. I beg respectfully to suggest a public Subscription be raised to afford them relief and to place Rs:100 at the disposal of the Municipality for this purpose.

I have the honor to be
Sir,
Your most obdt. Servant

Wm. Fischer Lieut. Col. R.E.
Asst. Dep. Engineer 1st. Division

To

The Superintending Engineer,
First Division.

To

The Chief Engineer for Irrigation
MADRAS

Dated 19 November 1872
Received 28 " " "

No. 2966
Encls. One

Subject.

Reports on the breaches occurred in the banks of the Allore Canal by the late heavy rains and by the floods of Pamlair

P.W. 888/72.

No 2964 - 14 Dec 72

escape formed by cutting away
the bank where the spadrigay or
bunkia is high and by reverting the
bank adjacent by way of forming
wings and of preventing the gap
from becoming enlarged

Fort St. George
28th November 1872

Major R.E.
Chief Engineer for Irrigation

To

The Secretary to Government
Public Works Department

In Annexure No. 4

Sketch

P. W. 1872. Depart.

Inw. No. 5888.

From The Sec to Chief Engr for Irrigation

To The Secretary to Govt P.W.D.

No 295

Dated 28 } Nov 72.
Recd 29 }

Encls 2

Forwards report on the breaches in the banks of the Ellore canal by the late heavy rains with remarks.

No 2969. 19th Dec 72.

With the order.

No 2969.

Communicated to the Godavery District Engineer who will conform to the instructions in para 2. His attention is also called to the remarks in para 3.

The recommendations made in the last para of Lieut Colonel Fischer's letter will be considered in the Public Department.

Guss

To The Dist Engr Godavery

Chief Engr for Irrig

Public Dept

Dec 16/12/72

Lith Govt Mysn Press

No. 5888

Govt. of {1872} Madras.

PUBLIC WORKS.

To The District Engr
Godavery

Dated

Recd. Encl. 2

G. O. 14th Decr 1872. 29 & G

Nos. 305 & 306 a

Ellore Canal. Note by the Chief Engr for Irrigation on report by the Supdg Engr Wrks 1st Div. of the damages occasioned by breaches in the banks of Ellore Canal, Cmd. of the Godavery