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. 3273 Press ~~Mis.~~

1894-97

Dated 11 10 1897.

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department, 11th October 1869.

Read the following letters :—

No. 194. From the Superintending Engineer, 3rd Division.

Reports on the breaching of Gunganapully Mullapah tank in the Cuddapah District. (Here enter 31st August 1869, No. 1,717.)

No. 195. From the same Officer.

Forwards copy of a letter from Mr. Lewis, giving the required information in connection with the breaching of the Gunganapully Mullapah tank. (Here enter 27th September 1869, No. 1,960.)

No. 196. From the same Officer.

Informs that the breach now occurred at the Gunganapully Mullapah tank is not at the former breach but is in the old bank. (Here enter 29th September 1869, No. 1,978.)

No. 197. ORDER THEREON, 11th October 1869, No. 3,273.

IRRIGATION, No. 9.

IN the first of the letters above recorded, the Superintending Engineer reports the breaching of the Gunganapully tank near Cuddapah, an estimate, Rupees 11,080, for the restoration of which was sanctioned in G. O., No. 2,000, dated 5th July 1867.

2. From the correspondence between Colonel Moberly and the Acting Chief Engineer for Irrigation it appears that the tank was about three-fourths full when, at the end of July, a heavy fall of rain brought into it so much water that a depth of four and a half feet of water passed over the waste weir, and the tank breached at a spot in the old bund at some distance from the site of the old breach, which had been closed when the restoration was carried out.

3. There can be no doubt that the breach was occasioned by the inadequacy of the waste weir, 120 feet in length, to discharge the excessive supply received, and the Superintending Engineer proposes to lengthen this weir to 200 feet, and to provide an additional escape, 300 feet in length, at the east end of the tank. Colonel Moberly estimates the cost of these improvements, and of closing the breach, at Rupees 3,000; and as it appears that the revenue, Rupees 972-15-2, expected to be derived if only a single crop be irrigated, will yield a return of nearly seven per cent., while if the tank be not repaired, the large expenditure already incurred will become useless, the Government will be prepared to sanction the repairs on the submission of a regular estimate of the cost of the work now requiring to be carried out.

4. It is observed that the Superintending Engineer has omitted to furnish the information asked for by the Acting Chief Engineer, in para. 3 of his memorandum, regarding the character of the water supply, and this should be attended to when submitting the estimate.

5. The additional escape at the east end may be placed one foot higher than the masonry weir at the west end, as it will be advisable to discharge all the surplus,

under ordinary circumstances, at this end, and the two escapes will be capable of disposing of a drainage of fourteen inches from the whole estimated area, twenty-two square miles of the catchment basin, in twenty-four hours.

(True Extract.)

Captain, R.E.,
Acting Under Secretary to Government.

To the Superintending Engineer, 3rd Division.
,, Revenue Department.
,, Chief Engineer for Irrigation.
,, Controller of Public Works Accounts.

Ord. S. T. Augustin.

No. 1717. Superintending Engineer's Office.
3rd Division.
Camp Pelam Vaikkam Taluk
Cuddapah District.
The 31st August 1869.

From,
The Superintending Engineer
3rd Division.

To,
The Secretary to Government
Public Works Department
Fort St. George.

Enclosures,

Sir,

I have the honor to report for the information of Government that the Gungana-Reddy Mallapah Tank in the Cuddapah Taluk was breached on the 2nd instant owing to very heavy rain which brought down apparently an extraordinary flood.

2. My Supervisor states in his report "The bank has one breach 50 yards long and 6 yards deep near one of the sluices. It is evident that the cause of the breach was owing to the insufficiency of escape water way allowed, as the Reddiar affirm that at 6 A.M. on the 31st ult. the Cuddapah was discharging 6½ feet and the water was every where between six inches of the top of the bank: it is only surprising that there were not several breaches"

4 The Tank was enclosed in 1867/68, on a revised Estimate of Rupees 11080 sanctioned in G.O. No. 2000 dated 5th July 1867. The Original Estimate for this work as submitted in November 1866 was Rupees 3800; but a revised Estimate of Rupees 7710 was forwarded by the Chief Engineer & Secretary with a letter No. 2918 dated 25th July 1867 and was sanctioned in G.O. No. 2522 dated 23rd October 1867 and 1868-69.

4 On Examination of the old papers I cannot find out what extent of Country was supposed to drain into the Tank, but from the Topographical Sheet I calculate that about 25 Square miles of which the greater part is hilly Country do present Catchments to the Tank, but from Gangapullies about two miles distant & Cuddapah about 8 miles distant Catchments to the Tank.

5 The Tank has just 2 Waste Bunds of the Villages of Gangapullies, about two hundred yards apart and Cuddapah Road Receives drainage from part of the Goalcherro Range of Hills. There is no means of knowing what was the Rain fall above this Tank on the 29th and 30th July, but at Cuddapah the Registers shows 1.50 and 3.75 inches respectively.

6 Mr Lewis proposes to lengthen the present Calingulah by 80 feet and to Construct at the Eastern end a Rough Stone waste way 300 feet which should also act as a Calingulah. The Cost of these works and of repairing the breach he Calculates at about 3000, and it remains now for Government to decide whether this further expense shall be incurred. This sum added to the former expenditure will bring the

* Vide letter attached to G.O. No. 2522 of 23rd Oct. 1867

Amount up to about Rupees 14000; but, as the net Revenue on one Crop is Computed at Rupees 972:15:2, there would still be a return of about 7 per Cent, and I therefore recommend that the work be Carried out.

7 If Government approve the work might be executed from the Repair grant of this year under the head "Agricultural"

I have &c.

C. Reed Lt Colonel
Superintending Engineer
Ceded Districts

water must have rapped through the bank which Causes it to slip from behind; about a month previous the bank Close to the breach had slipped but repairs were

Copy of letter No 496 dated 15th September 1869 from the Superintending Engineer 3rd Division to the Secretary to Govt P.W.D. Madras

From, The Superintending Engineer 3rd Division.

To, The Secretary to Govt P.W.D. Madras

No. 1717 Dated 3rd August 1869. Received 6th Augt 1869.

Reports the breaching of Gumpum Tank in the Tadpatri Distt.

No 3273-11 Oct 1869

To the Secretary Govt. No 2638 7 Sep 69

No 194

at once attended to (Vide my letter No. 254 dated 30th June 1869.)

(4) The Tank was restored about June 1868, and immediately after received a supply during that year, it may be considered about been 3/4 full and about 50 Acres of land were cultivated. During the heavy rains about the latter part of June it received a full supply and the Sluice Gate also was repeatedly thrown discharges. I inspected the Tank on the 29th June and ordered emergent repairs to be carried out

(5) The Villagers made no attempt to construct a ring bund, the breach had scoured the ground to a depth of two yards and the erection of a ring bund would have been very expensive

4 With reference to para 4 of the letter that there are no records showing the Capacity of the Tank, if the same is required a Contour Survey of the Tank will have to be made.

C Stokes Esqr
Supdg. Engineer 3rd Dn

No. 1960. Superintending Engineer's Office.
3rd Division.
~~Bellary~~ Camp Vaniambadi
27th September 1869.

From,
The Superintending Engineer
3rd Division.

To,
The Offg: Chief Engineer
for Irrigation
Fort St. George.

Enclosures.
1 Copy of letter
from Dnl Engrs.
attached.

Sir,

With reference to your Memorandum No. 263 of the 7th Instant, I have the honor to forward a Copy of a letter from the Superintending Engineer 2nd Division Trichy Circle, regarding the breaching of the Tank in question, it appears from that the cause of the breaching of the Tank is attributable to its proximity to the hills which caused a very heavy and rapid falling to take place, which the Waste Gate could not discharge quickly enough.

I have &c.

C Stokes Esqr
Supdg. Engineer 3rd Dn

N.B Since writing the above I find in the Report which accompanied the revised Estimate of 13th March 1862, it is stated that the Area is 4627950 superficial feet and when full that the Tank is capable of containing about one hundred Cubic yards of water.

C Stokes

No. 1978 Superintending Engineer's Office.

3rd Division.

Camp Yellatoor, Tatook

District.

The 29th September 1869.

From.

The Superintending Engineer

3rd Division.

To.

The Acting Chief Engineer

for Irrigation

Madras.

Sir,

In continuation of my letter No. 1978. of the 26th instant, I have the honor to inform you that I have inspected the Gunjanapully Mullapalo Tank and have nothing to add to Mr. Lewis's report except to say that the breach which has now occurred is not near the former breach but is in the old bank.

I have &c.

A. Wallace Lt. Col.

Sup.g Engineer

3rd Div.n

Enclosures.

Rec.d 1869 Oct.r 1

Dis.d 1869 Oct.r 2

From,

The Superintending Engineer

3rd Division.

To,

The Ag.t Chief Engr.r

for Irrigation

Madras.

No. 1978 Date.d

Dated 27th September 1869.

Received 30 " "

Rec.d with Superintending Engineer's letter of the 29th instant, a letter from the Engineer's assistant at the Gunjanapully Mullapalo Tank, reporting that a breach has occurred in the Tank, and requesting that a Mistry may be sent to repair it.

Rec.d 30 Sept.r 1869

3-11 A. Wallace Lt. Col.

P.R. A.

No 8273

Proceedings of the Madras Govt:
dated the 18th October 69.
Read the following:-

From the Engineer x. of the 3d Div. (R.S. No 1919 of 30 Aug/69)
Do- Do- Do. (— " 1960 - 27 "Sept.")
Do- Do- Do. (— " 1978 - 29 — " —)

In the first of the letters above recorded the Superintending Engineer reports the breaching of the Gungapudli Tank near Cuddapah, an estimate, Rs: 11080, for the restoration of which was sanctioned in G.O. No. 2010 dated 5th July 1869.

From the correspondence between Col: Moberly, and the Acting Chief Engineer for Irrigation it appears that the tank was about three fourths full when, at the end of July, a heavy fall of rain brought

into

Chief Engineer's Office
1869.
From, The Superintending Engineer
3rd Division.
To,
The Chief Engineer
for Irrigation
Madras.

No. 1978.

Dated 29th August 1869.
Received 1st September 1869.

Sir,

I have the honor to submit herewith a Petition addressed to Government by the Ryots of Gungapudli village, Cuddapah District, praying for the repair of the breach lately made in the old tank.

I have &c.

Sd/ J. J. Moberly
Colonel

No 1978-29 Aug 1869.

with it so much water that a depth of 4½ feet of water passed over the waste weir, and the bank breached at a spot in the old bund at some distance from the site of the old breach, which had been closed when the restoration was carried out.

There can be no doubt that the breach was occasioned by the inadequacy of the waste weir, 120 feet in length, to discharge the excessive supply received, and the Sup. Engineer proposes to lengthen this weir to 200 feet, and to provide an additional escape, 300 feet in length, at the extend of the bank. Col. Rodbertey

Estimates

estimate the cost of these improvements, and of closing the breach, at Rs. 3,000, and as it appears that the Revenue, Rs. 972.15.2, expected to be derived if only a single crop be irrigated, will yield a return of nearly 7 per cent, while if the bank be not repaired, the large expenditure already incurred will become useless, the Govt. will be prepared to sanction the repairs on the submission of a regular estimate of the cost of the work now requiring to be carried out.

It is observed that the Sup. Engineer has omitted to furnish the information asked for by the Ag. Chief Engr., in para 3 of his memo:

re-

regarding the character of the
Water Supply, and this should
be attended to when sub-
mitting the estimate.

The additional escape
at the East End may be
placed one foot higher than
the masonry weir at the
West End, as it will be ad-
visable to discharge all the
Surplus, under ordinary
circumstances, at this
end, and the two escapes
will be capable of dis-
posing of a Drainage of
2 inches from the whole
estimated area, 22 Square
miles of the catchment
basin, in 24 hours.

To Chief Engr 3rd Dist. ✓
" Rec. Dept. ✓
" Chief Engr for Irrign ✓
" Controller, Practice ✓

L.S. despd 2nd Oct. Rec'd 3rd Oct. 1889.
Desp. 16th October 89

Cur 3776, 4272 &
4273

Govt. of 1869, Madras.

PUBLIC WORKS

The Superintending Engr &c
Z. Division

11 Sets

Nos. 1916 to 17

Gungavelli Tank Repairs
&c &c
Estimate of the 4th Dist relative to the
breaching of the Gungavelli
Tank near Cuddapah -