

(1) Number of pages 10
(2) Date of repair 17-10-42
(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. 3298	Press Mis.
345-347	
Dated 17-11-	1864.

Not to be folded or roughly handled

(6)

*Proceedings of the Madras Government, Public Works Department,
17th November 1861.*

Read the following papers:—

No. 315. From Captain J. MULLINS, R. E., Consulting Engineer for Irrigation and Canal Company, to Colonel C. A. ORR, R. E., Secretary to Government, Department Public Works, dated Madras, 25th October 1861, No. 130.

SIR,

1. In continuation of my letter No. 121 of the 12th instant, I have the honor to subjoin for the information of Government, an Extract from the Chief Engineer's Report for August, which gives the latest particulars regarding the breach in the Soonkasala Anicut.

"SOONKASALA ANICUT.

"The Anicut was under water the whole month, and no change appeared to take place in the injured part or any other, but the river has since fallen (September) and the breach has been measured sixty-six feet in width. It will be easily closed when the river freshes are certainly over in October."

No. 316. Endorsement of the Consulting Engineer for Irrigation and Canal Company, dated Madras, 27th October 1861, No. 131.—

From Colonel H. C. COTTON, Chief Engineer, Irrigation and Canal Company, to F. H. HEN-SLOWE, Esq., Agent and Manager, Irrigation and Canal Company, dated Kurnool, 11th October 1861, No. 909.

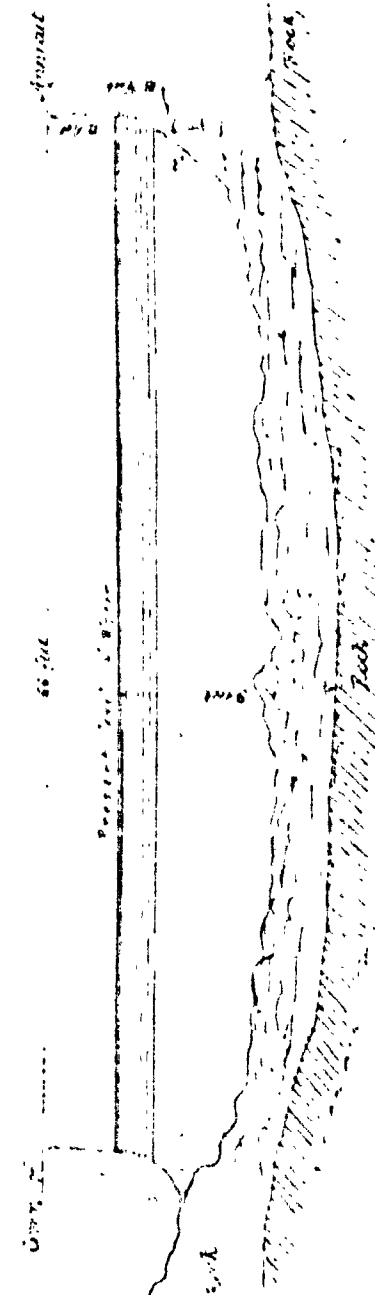
SIR,

1. I have the honor to report that on my visit to the Soonkasala Anicut this morning, I found

the river lower than it has been since June, and I have examined the breach in the anicut, and taken such soundings as are given in the section in the margin. The depth of water over such masonry as remains standing is from 3 feet to 8 or 9. In this state of the river there is a depth of 24 feet on the sill of the head sluice of the main channel. A good deal of silt has accumulated at the head, the natural consequence of admitting a very small supply of water through the season, but the supply is ample for all the present irrigation, and when the river subsides further, and the time of freshes terminates, viz., at the end of this month, steps will be taken to close the breach.

2. Some of the shutters of the under-sluices do not work freely, which is unfortunate at this moment as they are required especially now. The cause of this is not in the principle of their construction, but in their being too closely fitted to allow of swelling under water. They will easily be corrected and tem-

porary measures will be taken in the meantime for closing those which will not freely work.



Proceedings of the Madras Government, Public Works Department.
17th November 1864.

3. When the breach had been closed, the water was allowed to flow into the canal to fill the hole, and the new contract was begun at A. and B.
4. The cause of the breach is the great quantity of stones and when I made my first report. The stones were found under the ground at the bottom of the canal, and the water was allowed to flow into the canal, which being allowed to flow over the stones, the water was under the stones and the stones were broken up and the water was allowed to flow into the canal.
5. The mass is not entirely broken up, but the stones are broken up and the water is allowed to flow into the canal.
6. With the exception of the part which is broken up, the stones are broken up and the water is allowed to flow into the canal.

Forwarded to the Consulting Engineer, with reference to the report of 12th Nov. 1864.
Madras.
29th October 1864.
Submitted to Government for consideration, with reference to the report of 12th Nov. 1864.
October 1864.
No. 317.
The papers above referred to, regarding the breach in the Sunkasala Anicut, and be brought to the notice of the Hon. Government.
The Hon. Government.
The Hon. Government.
The Hon. Government.

Ext. S. T. August 2.

No. 130.

Consulting Engineer's Office.
Irrigation and Canal Company
Madras 25th October 1864.

From,

Captain J. Mullins R.E.
Consulting Engineer for S.V.C.C.

To,

Colonel C. A. Orr R.E.
Secretary to Government, B.P.W.

Sir,

In continuation of my letter No. 121 of the 12th Instant, I have the honor to submit, for the information of Government, an Extract from the Consulting Engineer's Report for August, which gives the latest particulars regarding the breach in the Sunkasala Anicut.
"Sunkasala Anicut"

"The Anicut was under water the whole month and no change appeared to take place in the injured part for any other but the river has since fallen (deftending) and the breach has been measured 66 feet in width. It will be easily closed when the river freshes are certainly over in October."

I have the honor to be,

Sir,
Your most obedient servant,
J. Mullins Captain R.E.

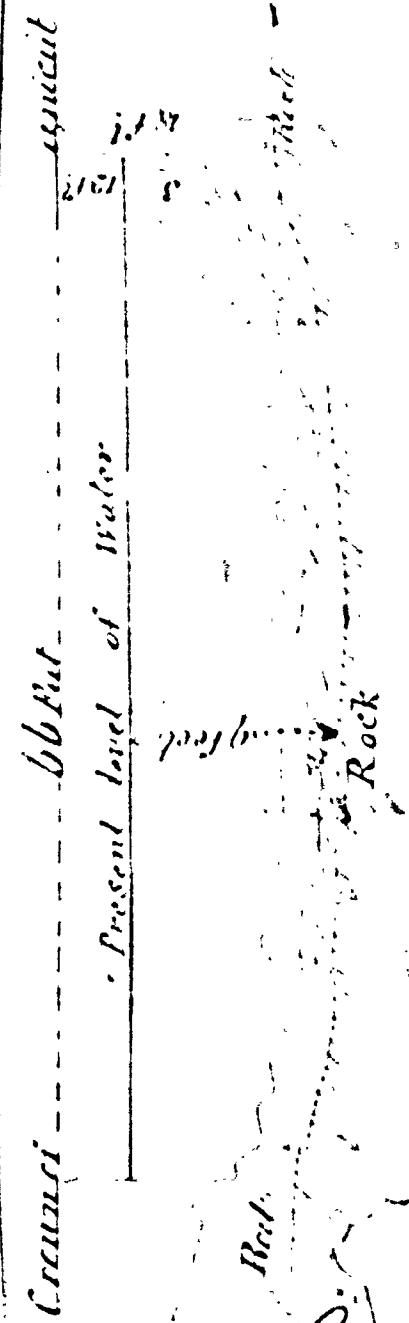
Comptroller

Madras Irrigation Canal Co.
 Chief Engineer's Office,
 Madras, 14th October 1864.

No 909

To, Sir,
 Colonel A. C. Cotton,
 Chief Engineer,
 J. H. Renslow Esq.
 Agent & Manager - Madras.

I have the honor to report that on my visit to the Sankasala Ament this morning, I found the river lower than it has been since June, and I have examined the breach in the Ament and taken such soundings as are given in the section in the margin. The depth of water over such measure as remains standing is from 3 feet to 8 or 9. In this state of the river there is a depth of 2 1/4 feet on the sill of the head sluice of the Main Channel. A good deal of silt has accumulated at the head, the natural consequence of admitting a very small supply of water through the season, but the supply is ample for all the present irrigation, and when the river subsides further, and the time of freshes terminates viz at the end of this month, steps will be taken to close the breach.



Copy to Mr. Cotton
 2/25/25 1864

Received of Mr. Cotton
 the sum of Rs. 100/-
 for the purpose of the
 Madras Irrigation Canal Co.

Received of Mr. Cotton
 the sum of Rs. 100/-
 for the purpose of the
 Madras Irrigation Canal Co.

Received of Mr. Cotton
 the sum of Rs. 100/-
 for the purpose of the
 Madras Irrigation Canal Co.

2/25/25 1864

2. Some of the chambers of the under sluices do not work freely which is unfortunate at this moment as they are required especially now. The cause of this is not in the principle of their construction, but in their being too closely fitted to allow of swelling and contraction. They will easily be converted and temporary measures will be taken in the meantime for clearing those which will not work freely.

3. When the breach is closed over, we shall have the means of sending a supply of water down the canal to fill the ballrooms and extend to the embankments beyond the tunnel.

4. The cause of the breach in the concrete is precisely as I imagined when I made my first report. The apron in rear of the gate was the first to give way and exposed the rubble foundation of this part of the work which then yielded to the power of the overfall and the body of the work was undermined and fell away.

5. The mass is not entirely broken up and it forms the obstruction when in the stable position. During the coming season it will be built with rubble foundation on the rock as in other parts.

6. With the exception of this part the sluice branches of the canal, in extent, the apertures, are in very perfect order. Very few stones seen on the surface are displaced or disturbed, and there is no fear to have any stone of any small dimensions. The concrete shows amazing durability everywhere. In parts even standing the heavy overfall of 15 feet.

It is highly satisfactory to have had the power of this most trying season to prove the work, and to find it at the close in a condition requiring nothing but the most trifling repair throughout with the one exception of the breach which has been described.

Thane J. A.
Signed H. C. Cotton,
Chief Engineer.

N^o 1623.
Forwarded to the Consulting Engineer with reference to his N^o 269 of 12 October 1864.

Madras, 26 October 1864. 3
Signed Col. M. G. Budd,
Chief Secy. pro. Capt. H. M. H. M.
absent on duty.

N^o 134.
Submitted to Government for information in continuation of letter N^o 130 Dated 25 October 1864.

Consulting Office
Suez Canal Company,
Madras, 27 October 1864. 3
W. H. M. M. M.
Captain,
Consulting Engineer H. C. Cotton.

Ed. M. M. M.

2725: Nov 25: 1864 A.M.

2725: Nov 25: 1864 A.M.

2725: Nov 25: 1864 A.M.

2725: Nov 25: 1864 A.M.

2725: Nov 25: 1864 A.M.

2725: Nov 25: 1864 A.M.

2725: Nov 25: 1864 A.M.

2725: Nov 25: 1864 A.M.

Public Works Department

Proceedings of the Madras Government

Dated 17th November 1864. No.

Read the following letters.

From The Consulting Engineer J.H.C.

Regarding the breach in the Sont Kalasa Aicut. } H. L. No. 25. Dec/64. No. 130.

From Ditto. - Ditto.

Submits for information } H. L. No. 27. Dec/64. No. 134.
tion copy of Chief Eng's letter
in continuation of H. L. No. 11.
dated 25. Dec/64 -

The papers above recorded
reporting the occurrence of a breach
in the Sont Kalasa Aicut. will be brought
to the notice of the Home Dept.

2725: Nov 25: 1864 A.M.

2725: Nov 25: 1864 A.M.

2725: Nov 25: 1864 A.M.

2725: Nov 25: 1864 A.M.

Calvin Wells Esq
923 Union St 1854

17 1854
Wm of Goodfellow
100295
Hend. Hill House
Ct. of Hartford

Proportion of the
the amount in the
to be paid to the
and the other in
the same.

Ms. A. 5. 2. 347