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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Revenue DEPARTMENT

G.O. No.	9	Press.
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Dated	4. 1. 1878	197

Not to be folded or roughly handled.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

13th December 1877, No. 599 I.

Irrigation.

Account.

Read the following papers :—

No. 48. Endorsement of the Chief Engineer for Irrigation, dated Camp at Ongole, 30th November 1877, No. 259 I.

No. 34 S.A.

IRRIGATION MEMORANDUM.

The undersigned has the honor, with reference to the letter No. 161, of the 27th ultimo, to say that a further report on the damage done to the Pelendorai anicut will be awaited.

2. This report should show the present state of the work where uninjured, including the condition and level of the rough stone apron. It should be * Before the breaching. ed when the anicut was last inspected* the District Engineer or Range Officer.

What was its then condition, what instructions with respect to it were issued, and whether these instructions were carried out before the commencement of the freshes.

In paragraph 29 of the Notes of inspection it was noticed that the high levels of the aprons and under-shuices would lead to expense in maintenance especially of the rough stone apron. It will be desirable to show what the action on this apron has been, and what quantity of stone has been used in its maintenance and chiefly in what positions.

The results of examinations made of the river bed above and below the anicut after each fresh should be noted.

3. A report of the measures taken to arrest further damage and to cut off the breach will be awaited.

(Signed) JOHN MULLINS, Colonel, R.E.,
1st November 1877. Chief Engineer for Irrigation.

To the District Engineer, South Arcot.

From Major H. R. MEAD, R.E., District Engineer, South Arcot, to the Chief Engineer for Irrigation, dated Camp, Porto Novo, 17th November 1877, No. 183.

With reference to your memorandum No. 34 S.A., of 1st November 1877, I have the honor to report that I am unable as yet to report particulars regarding the present state of Pelendorai anicut, as there have been steady floods in the river, and

now there is 4½ feet of water with a strong current in the breach. Soobroya Charriar, Assistant Engineer, reports that the breach is now 219 feet in length, and of this, as far as he is able to discover, 54 feet on the eastern side; 42 feet of the western side of the foundations of the body wall (the wall above is gone) appear to be standing, but only 24 feet on the eastern side and 12 feet on the western of the rear retaining wall remain.

2. The date of my last inspection of the anicut was on the 23rd July 1877, the advanced apron, which had been repaired in 1876, was in good order.

The Range Officer's last inspection before the accident was on the 3rd October; he found the solid apron in good order (as far as he could judge with water on it), but the loose stone advanced apron had for nearly the whole length of the anicut, except at the sluices, sunk considerably; this was reported to me, and I was arranging for the preparation of material for its repair when the anicut breached, as the stone for apron is procured in the bed of the river, none could be procured at a short notice.

3. On the 9th February 1876 I inspected the anicut for the first time. I found the apron in fair order except at the sluices, and 200 cubic yards of rough stone were by my order put down chiefly there and the apron made up.

Also I found a scour in front of the anicut towards the under-sluices, and ordered two small groynes at right angles to the face of anicut and in front of it to be put up.

4. After the freshes of 1876, which were but small, by my order soundings of the rough stone apron were taken. I enclose a copy of them, and it will be seen that in November 1876 the rough stone apron was in good order as there was no fresh to speak of until the last floods that have been almost continuous; no soundings were taken after November 1876, nor can any be taken.

5. With regard to paragraph 3, I am unable at present to do anything to save further damage as the river has been in fresh. I do not consider it advisable to attempt to bund off the breach until the 15th December, and propose doing it on that date should the state of the river permit it.

6. I suppose that this work will be stored next season, and I request sanction to collect materials for it, and would like that Rupees 5,000 should be at once allotted for the work.

SUBMITTED for the information of Government.

2. It will be seen that a detailed examination of the anicut has not yet been practicable. The breach has extended somewhat, but not very materially, and it may be hoped that but little further damage will be sustained. The breach should be cut off as soon as possible by a ring-bund which can be formed without much difficulty if the stone be thrown down all over the crest of the bund, and raised gradually and evenly from one abutment of the ring-bund to the other so as to obviate scour.

2. With regard to the remark at the end of paragraph 2 of the District Engineer's letter, it is obvious that a reserve of rough stone must be maintained on each bank of the river to allow of emergent work being carried out at any time.

3. When the District Engineer has reported on the probable causes of the accident, such modifications of section as may appear to be desirable will be decided on.

4. To place the District Engineer in funds it is recommended that the Rupees 5,000 for which he asks may be made available by a transfer of this amount from the District grant for Ordinary Agricultural Repairs to Revenue Maintenance and Repairs.

(Signed) JOHN MULLINS, Colonel, R.E.,
Chief Engineer for Irrigation

To the Joint Secretary to Government, Public Works Department, Irrigation Branch.

No. 49.

ORDER THE

NUMBER 1877, No. 599 I.

RECORDED in continuation
pending a further report showing
accident, and the measures taken to prevent a repetition of the damage.

474 I, of the 10th November 1877,
the anicut, the probable causes of the
accident, and the measures taken to prevent a repetition of the damage.

2. The transfer of Rupees 5,000 from the District grant for Repairs under Ordinary Agricultural to Revenue Maintenance and Repairs is authorised subject to the confirmation of the Government of India.

(True Extract.)

Elmington

Major, R.E.,
Ag. Under Secy. to Govt., P.W.D.,
Irrigation Branch.

To the District Engineer, South Arcot.
" Examiner of Public Works Accounts
" Revenue Department.
" Chief Engineer for Irrigation.

Exd. S. T. Austin.

7W Spare Copies

IRRIGATION.
ACCOUNT.

of 1877. ~~Public~~
BLIC WORKS.

To

The DISTRICT ENGINEER,
SOUTH ARCO
&c., &c.,

Dated December 18th.

Tested

Recd. 21 December Encl.

G. O., 18th December 1877, No. 599 L.

DECEMBER.

Nos. 48-49.

⁴⁸⁹
Comm. to the
Board of Revenue

4 Jan'y 78.

QW

Pelandurai Amicut, South Arcot District.
Further report on the damage done to the
— recorded with remarks, and certain transfer
of funds for repairs to the — authorised.

15 To the Comm. to the Board of Revenue