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MADRAS RECORD OFFICE

Government of Madras

Public Works

DEPARTMENT

G.O. No.	565	Press	<i>Original</i>
B.P. No.		Mis.	
Dated	26. 2.	195	
		1875	

Not to be folded or roughly handled

(7)

*Proceedings of the Madras Government, Public Works Department,
26th February 1875*

No 658 Read the following endorsement of the Chief Engineer for Irrigation, dated Fort St George, 30th January 1875, No 131 —

From R. SMITH, Esq, District Engineer, Nellore, to Lieutenant-Colonel J MULLINS, R E, Joint Secretary to Government, Public Works Department, dated Camp at Amuluru, 18th January 1875, No 97.

In my demi-official note of the 24th ultimo, I informed you that the rubble dam on the northern flank of the Nellore Anicut was completed the previous evening, and I have now the honor to furnish a few particulars concerning it, and the satisfactory results that have been secured by its construction

2. It was evident, when the great flood of October last subsided, that nothing but great efforts would save the crops in the southern delta, as the main channels were very much silted up, and the breach at the northern flank of the anicut was rapidly extending and becoming the main stream. To prevent this was of course the first thing to be attempted, and I at once arranged for checking the erosion by groins, and for commencing the construction of a dam that would soon reduce the discharge through the breach and ultimately stop it. These works were commenced on the 31st October and the erosion ceased a few days afterwards. The construction of the dam was then steadily proceeded with by day, until the 24th of November, when I became anxious about the water-supply, and resolved that work should be carried on by night as well as by day, and this was accordingly done from that date, except when interrupted* by freshes, till the breach was finally closed on the 23rd of December last.

* From 27th November to 3rd December
 " 13th to 15th December.

3 The rubble dam is 104 yards in length, and is probably 25 or 30 feet in depth at the deepest part. The greatest soundings I obtained were 18 and 19 feet, but these were on the slopes of the dam, as the current was too great towards the centre of the gap to admit of reliable observations being made there.

4 Ordinary rubble was used for the entire section of the dam at the commencement of operations, but after a time it was found necessary to use a proportion of large stones, varying from $\frac{1}{2}$ to about $1\frac{1}{4}$ tons in weight, and the proportion required increased as the breadth of the breach decreased. The large stones were brought by wagons on a tramway to the edge of the completed portion of the dam and thrown into the gap beyond. In connection with the construction of the dam I have to report that the acting Anicut Superintendent, S Ramiah, worked remarkably well and carried out all the arrangements in a satisfactory manner. The anicut head lascar, C. Narayadoo, also proved himself to be a very useful and hardworking man.

5. I have now, in conclusion, to inform you that I have just completed an inspection of a considerable area of the southern delta, and that I am in a position to state the measures taken to save the crops have been very successful.

SUBMITTED for the information of Government.

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

Proceedings of the Madras Government, Public Works Department,
26th February 1875

No 659

ORDER THEREON, 26th February 1875, No 565

IRRIGATION, No 59

His Excellency the Governor in Council has received with satisfaction this report of the successful closing of the gap to the north of the Pennair Anicut at Nellore, and the assurance that the safety of the crops under the anicut channels has been secured

2 His Excellency the Governor in Council desires to express his high appreciation of the energetic and judicious measures taken by the District Engineer, Mr R Smith, and his approbation of the manner in which the acting Anicut Superintendent S Ramiah and the Head Lascar C. Narayadoo, respectively, discharged the duties devolving upon them

(True Extract)

Colonel, R E,
Secretary to Government.

No 97

District Engineer's Office
Camp, Amulur

From,

18th January 1875

R. Smith Esquire,

District Engineer of Nellore.

To,

Lieutenant Colonel J. Mullins R.E.

Joint Secretary to Government

Public Works Department

Fort St. George,

Sir,

In my memo-official note, of the 24th ultimo, I informed you that the Rubble Dam, on the northern flank of the Pennair Anicut, was completed the previous evening, and I have now the honor to furnish a few particulars concerning it, and the satisfactory results that have been secured by it.

Constructions

2 It was evident, when the great flood of October last subsided, that nothing but great efforts would save the crops in the Southern Delta, as the main channels were nearly mud silted up, and the breach, at the northern flank of the Ascut, was rapidly extending and becoming the main stream. To prevent this was of course the first thing to be attempted, and I at once arranged for checking the erosion, by groins, and for commencing the construction of a Dam that would soon reduce the discharge through the Breach, and ultimately stop it. These works were commenced on the 1st

from 27th November to 3rd December
from 13th to 15th December

31st October and the erosion ^③ ceased a few days afterwards. The construction of the Dam was then steadily proceeded with, by day, until the 24th of November, when I became anxious about the water supply, and resolved that work should be carried on by night, as well as by day, and this was accordingly done from that date, except when interrupted by freshes, till the breach was finally closed on the 23rd of December last.

3 The Rubble Dam is 104 yards in length and is probably 25 or 30 feet in depth, at the deepest part. The greatest soundings obtained were 18 and 19 feet but these were on the slopes of

the Dam, as the current was too great, towards the centre of the gap, to admit of reliable observations being made there.

4 Ordinary rubble was used for the entire section of the Dam at the commencement of operations, but after a time it was found necessary to use a proportion of large stones, varying from $\frac{1}{2}$ to about 1 $\frac{1}{2}$ tons in weight, and the proportion required increased as the breadth of the breach decreased. The large stones were brought by Waggons on a tramway, to the edge of the completed portion of the Dam, and thrown into the gap beyond. In connection with the construction of the Dam I have to report that the following

7
Ancient Superintendent, Ramiah, worked remarkably well and carried out all the arrangements in a satisfactory manner. The Ancient head Lascar Charoyda also proved himself to be a very useful and hard working man.

5. I have now in conclusion to inform you that, I have just completed an inspection of a considerable area of the Southern Delta, and that I am in a position to state the measures taken to save the crops have been very successful.

I have the honor to be
Sir,

Your most Obedient Servant.
G. Smith
District Engineer

E. H. C.

N^o 131

Submitted for the information
of Government.

St George
January 18/5.

William Lenth

Chief Engineer for Irrigation

To
The Secretary to Government
D. O. W.

To Mr King & Co 18/5
30/5/1855

From L. O. D. 18/5.

Geo. O. D. 18/5.

18/5/1855

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18/5/1855

18/5/1855

P. W. D.

Proceedings of the Madras Government,

Under date the

187

Read the following:—

From
The Chief Engineer for Irrigation (18-E No 131 of 30th Jan'y 1875).

His Excellency the Governor in Council has received with satisfaction this report of the successful closing of the gap to the north of the Pennair Anicut at Nellore, and the assurance that the safety of the crops under the Anicut Channels has been secured.

His Excellency the Governor in Council desires to express his high appreciation of the energetic and

P. W. D. 1875
No 131 of 30th Jan'y 1875

To the Chief Engineer for Irrigation

To the Secretary to Government

Encl. 30th Jan'y 1875
Remains 4th Feb'y 1875

Encl. 1st

Submits for information the Report of the District Engineer regarding the completion of the rubble dam on the Northern flank of the Pennair Anicut.

1875
No 162 of 75
26.2.75

judicious measures taken
by the District Engineer
Mr. R. Smith, and his
approbation of the manner
in which the Ancient
Superintendent S. Ramesh
and the Head Sascar
C. Narayadoo respectively
discharged the duties de-
volving upon them.

mm

To the Chief Eng^r for Irrigation
District Eng^r Nellore
Revenue Department

18-8-75

(13) P. B. Dept

Proceedings of the Madras Government
Read the following-

From

The Chief Eng^r for Irrigation (14-8-131 & 30th Jan^r/75)

I w. add C. B. S. S.

H. E. the Govt. has
expressed his high
appreciation of the
meritorious & judicious
measures taken

His Excellency the
Governor in Council has
received with satisfaction

this report of the success-
ful closing of the gap to

the North of the Pennair
Ancient at Nellore, and
the assurance that the
safety of the crops under
the Ancient channels has
been secured.

(J. Ramesh)
and the Head Sascar
(C. Narayad)
The District Eng^r Nellore

Chief Eng^r for Irrigation

Revenue Deptt.

respectfully discharged the duties
devolving upon them

14-2/75

mm

14/2

