M.R.O. 1—77,006.—8-6-31.

(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. 2818 Press Mis.

934-95

Dated 4-9 1866.

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department, 4th September 1866.

No. 94. Read the following letter from the Superintending Engineer, 6th Division, to the Secretary to Government, Public Works Department, dated Mootoopettah, 16th August 1866, No. 560 :—

1. I regret that owing to an inaccuracy in the punctuation of paragraph 2 of my letter No. 490, Government have been unable to understand clearly what portion of the repairs to the Lower anicut have been completed.

G. O. No. 2,528, 10th August.

Arches ...	6 X 34 feet	= 204 feet.	
Sluice arch ...	1 X 17 ,,	= 17 ,,	
Sluice piers ...	2 X 5 ,,	= 10 ,,	
Piers ...	5 X 4 ,, 4 inches	= 21 ,,	8 inches.
Dam south of sluice arch ...		12 ,,	4 ,,
		265 feet.	
Retaining wall of apron to wing from abutment		12 ,,	
		277 ,,	

2. From the north abutment to the point to which the old work had to be removed is 265 feet, and the enclosed statement shows clearly what has been done this season.

3. The foundation of the anicut, it will be observed, has been carried entirely across the gap or breach; so has the front retaining wall. It is not proposed to re-build the old rear retaining wall, though, where portions of it are found to exist, advantage will be taken of it to form a buttress, as it were, under the apron; where the old retaining wall has been destroyed, a wall about five feet deep to form a buttress will be built along the old line, as the advanced apron will be a foot lower than the existing apron.

Rupees 74,000.

4. The estimate sanctioned provides only for the advanced apron in rear of the portion of the anicut lately destroyed, inclusive of the advanced apron of the first set of sluices from the north end.

5. I would take the opportunity of enquiring whether it is the wish of Government that an estimate should be prepared for entry in the Budget of 1867-68, for the front and rear retaining walls and extended aprons, proposed in paragraph 7 of letter No. 1,599, of 16th December 1865, to protect the portion of the work which now stands. It would be as well, if possible, to carry out the up-stream retaining wall as far as the portion of work re-built in 1862 by Captain Mead, but more than that could not, I think, be undertaken in the season of 1867; but if no provision is made for these retaining walls and aprons in the Budget of 1867-68, no funds will be available to commence them early in 1868.

G. O. No. 89, 9th January, also in paragraph 9 of letter No. 59, 11th May, in G. O. No. 1,706 29th May.

6. On the 7th instant the water rose to 5 feet over the southern branch, and to 3 feet 6 inches over the northern branch of the Lower Anicut by the 10th, the date of the last report received, the depths were 3 feet 4 inches and 2 feet 6 inches respectively over the south and north branches. The high fresh of the season has passed, and the front embankment has not been injured in the least degree.

Statement Shewing Work Executed at Lower Anicut in restoring the fallen portion in the working Season of 1866

Name	Length from N. Abutment to part destroyed or removed	Portion found good or repaired and retained	Portion actually rebuilt	Remarks.
Foundation of Dam	265'	*80'	185'	* Para: 6 of Letter No. 1979 of 13th March In G.O. No. 1098 of 10th april 66.
Lower Step	265'	*32'	35'3"	
Upper Step	265'	*27'-10"	— — —	
Foundation of front retaining wall	277'	*80'	197'	& — Para: 2 of Letter No. 490 of 28th July In G.O. No. 2528 of 10th August 66.
Do. of rear retaining wall	277'	&68'	24'	
Apron (rear)	277'	&68'	24'	
Piers no:	7	* 2	5'	
Flooring between Piers	7	* 1	5'	

Superintending Engr's office 6th Div.
Mootoopettah 16th August 1866

H. F. Oakes Captain R.E
Superintending Engr 6th Div.

Proceedings of the Madras Government, Public Works Department, 4th September 1866.

Statement showing work executed at Lower Anicut in restoring the fallen portion in the working season of 1866.

Name.	Length from north abutment to part destroyed or removed.	Portion found good or repaired and retained.	Portion actually re-built.	Remarks.
Foundation of dam ...	265 feet.	* 80 feet.	185 feet.	
Lower step	265 ,,	* 32 ,,	35 ,, 3 In.	
Upper step	265 ,,	* 27 ,, 10 In.	.....	
Foundation of front retaining wall ...	277 ,,	* 80 ,,	197 feet.	*Paragraph 6 of letter No. 1979, of 13th March, in G. O. No. 1098 of 10th April 1866.
Do. of rear retaining wall	277 ,,	† 68 ,,	24 ,,	
Apron (rear)	277 ,,	† 68 ,,	24 ,,	
Piers ... ... No.	7	* 2 ,,	5 ,,	†Paragraph 2 of letter No. 490 of 28th July, in G. O. No. 2528 of 10th August 1866.
Flooring between piers ,,	7	* 1 ,,	6 ,,	

MOOTOOPETTAH,
16th August 1866.

(Signed) R. F. OAKES, Captain, R. E.,
Superintending Engineer, 6th Division.

No. 95. ORDER THEREON, 4th September 1866, No. 2,818.

CIVIL WORKS, No. 18.

The Government are glad to hear that the heavy freshes of the season has passed without causing any injury to the Lower Coleroon Anicut works, and it may now confidently be hoped that all danger is past, and that next working season the dam will be fully restored. Considering the very serious damage which the south branch of the Lower Coleroon Anicut has on several different occasions sustained, the Government think it very desirable that such additional works as are necessary to place it in a secure state should be constructed, and Captain Oakes is therefore requested to include in his Budget for 1867-68 an estimate for adding along the whole length of this branch, extended front and rear aprons, with retaining walls in line with those already sanctioned to protect the portion of the work now being re-built; but only so much of the estimates as can probably be conveniently expended should be applied for as the allotment for that year.

(True Extract.)
(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

To the Superintending Engineer, 6th Division

Exd. S. T. Augustin.

Superintending Engineer
Mooltoopettah 18th augt. 1866.

No. 560

From

Captain R. F. Oakes R.E
Superintending Engineer 1st Dr.

To

Colonel C. A. Orr R.E
Secretary to Government

Sir,

I regret that owing to an inaccuracy in the punctuation of para: 2 of my Letter — No. 490, Government have been unable to understand clearly what portion of the repairs to the Lower Annicut have been completed.

G.O. No. 2528 10th august

2. From the North Abutment to the point to which the old work had to be removed is 265', and the enclosed Statement shews clearly what has been done — this Season

Arches	6×34 = 204'	
Sluice arch	1×17 = 17	
Sluice piers	2×5 = 10	
Piers	6×4.2" = 21-8"	
Dam South of Sluice arch	12.4	
	265	
Retaining Wall of Apron to wing from Abutment	12	
	277	

3. The foundation of the annicut, it will be observed, has been carried entirely across the gap or breach; so has the front retaining wall. It is not proposed to rebuild the old rear retaining wall, though where portions of it are found to exist, advantage will be taken

of it to form a buttress, as it were, under the apron; where the old retaining wall has been destroyed, a wall about 5' deep to form a buttress, will be built along the old line, as the advanced apron will be a foot lower than the existing apron.

4. The Estimate Sanctioned provides only for the advanced apron in rear of the portion of the Annicut lately destroyed inclusive of the advanced apron of the 1st Set of Sluices from the North End. — £ 74,000

5. I would take the opportunity of enquiring whether it is the wish of Government that an Estimate should be prepared for entry in the Budget of 67/68. for the front and rear retaining walls and Extended aprons proposed in para: 7 of Letter No. 599 of — 16th December /65 to protect the portion of the work which now stands. It would be as well, if possible, to carry out the up-Stream retaining wall as far as the portion of work rebuilt in 1862 by Capt. Mead, but more than that could not, I think, be undertaken in the Season of 1867; but if no — provision is made for these retaining walls and aprons in the Budget of 67/68., no funds will be available to commence them early in 1868. —

G.O. No. 89. 9th January also in para: 9 of Letter No: 89. 11th May in G.O No: 1706. 29th May.

6. On the 7th Inst., the water rose to 5' over the Southern Branch and to 3'-6" — over the Northern Branch of the Lower Annicut by the 10th, the date of the last report received the depths were 3'-4" and 2'-6" respectively over the South and North Branches — The High fresh of the Season has passed, and the Front Imbankment has not been injured in the least degree.

I have the honor to be
Sir,
Your most obedt. Servant
J. F. Dale Capt. RE
Superintending Engr. &c

Public Works Department

No 2818

Proceedings of the Legislative Council
Under date the 4th August 1866

Read the following

From the Lt Col & Vice Chancellor
Dated the 6th Aug 1866

The Government
are pleased to hear that
the Heavy Guns
the Head of the
season have arrived with
out accident
to the Saluen Colonel -
Lieut Worth and it
would contribute
to the safety that all danger
is past, and that next
year Heavy guns the
may be sent
down safely

Rec'd 1866 Dept
Pro: of Govt for September
From Lt Col

Capt: R. F. Oakes RA
Supdg: Engr 62

To
Col: G. A. Dmr RA
Secy to Govt

Dated 16th augt 1866
Received 24th do

Encl: No 560

Report on the Lower
Aracan -

Pro: 29th Aug 66 R. Both

Pro: 4th Septr 1866

Pro: 1866 Jany 17 to 156-187
" 10 April 142 143
" 28 May 693-694
" 10 Augt 224-225

D.O. 1866 Despatch
Proc. of Govt. dated 4/66
No 2818
Proc. of the Madras Govt
Dated 4th Sept. 1866

The Superintending Engineer of the 6th Division requested to include in his Budget for 1867-68 an estimate for adding along the whole length of the South Branch of Lower Coleroon Anicut extended front and rear aprons with retaining walls in line with those already sanctioned.

1

Rs 94-95

I. 29th August 1866. DM 3044