

(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. 1005	Press
231-282	~~Mia~~
Dated 9-4-	1864.

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
9th April 1864.*

No. 231. Read the following letter from Captain J. BEAN, R. E., Officiating Superintending Engineer, 6th Division, to Colonel C. A. ORR, R. E., Secretary to Government, Public Works Department, dated Tanjore, 22nd March 1864, No. 2,238 :—

SIR,

1 Abstract Estimate.
1 Plan (per banghy).
1 Report.

1. I have the honor to reply to Government Order, dated 10th July 1863, No. 1,839, which reply was called for in Memorandum No. 14 of the 2nd December last, regarding the fall of the wing-wall of the South Rajah Voikal surplus Sluice, branching from the lower Coleroon Anicut, and the submission of an Estimate for its restoration.

2. Lieutenant-Colonel Foord did not send an answer to the above requisition because he wished to become acquainted with the work from personal inspection, and I have delayed my reply until I could, also, visit the sluice and see what repairs were required, from my own observation. The enclosed Plan and Estimate, amounting to Rupees 8,400, provides for the re-building of the wing-wall with a good depth of foundation of solid masonry for the upper five feet, and for laying down brick cubes in clay in the holes formed in rear of the work, and brick in chunam as a flooring above, with a small front retaining wall. To save extra expense I have only allowed for brick cubes along the front of the extended wing-walls, and not across from wing to wing in the bed of the Channel. Lieutenant-Colonel Foord suggested, as a protection to the work, that brick cubes should be laid as a flooring in front of the sluice as the walls were cracking, and I have allowed for this flooring in the Estimate.

3. On excavating the foundations of the old work, I found that the portion that had first been re-built had been laid on brick cubes, and that the second portion had been built on concrete and solid masonry. The cause of the fall I attribute to the scour of the water along the face of the wing-walls, and, probably, to the pressure of the earth against the back of the wall. If, as Captain Mullins says, the foundations were built entirely of brick cubes in clay this alone might account for the fall, as displacement would take place from a rapid scour, but my examination showed that a portion of the foundation is composed of concrete which had stood perfectly firm, as well as the part above for a height of four feet of solid brick masonry. At this distance of time, I cannot say who is to blame for the accident, and Captain Mullins in his letter of the 5th May 1863, No. 10, embodied in Government Order quoted above, has given the history of the work.

4. As the work was one of importance requiring immediate attention, and materials were at hand in consequence of the re-building of a portion of the Lower Anicut, I authorized the Supervisor in charge to proceed with the repairs at once. We cannot expend above Rupees 1,000 in the present official year, and I beg that I may be allowed to charge this sum under the head of General Repairs from one of the three Budget items in the margin, which though appropriated cannot be entirely expended in this year.

Dykes.. .. .	80,750
Discretionary allowance	20,000
Special grant for maintenance ..	12,907

No. 232. ORDER THEREON, 9th April 1864, No. 1,005.

1. The Governor in Council sanctions the Estimate of Rupees 8,400, submitted with this letter, for the restoration of the wing-wall of the south Rajah Voikal surplus Sluice branching from the lower Coleroon Anicut.

2. The work being a repair, the expenditure in the present year will be provided from the Budget item of Rupees 80,750 for Dykes.

(True Extract.)

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

To the Superintending Engineer, 6th Division.
,, Controller and Auditor of Public Works Accounts.
,, Accountant General.

Exd. S. T. Augustin.

Abstract Estimate No. of 1863/64

Tanjore District

Kombaconum Taluq.

Work — Reconstructing South Wing Wall of the South
Rajah Fort (at Surplus Sluice).

Quantities	Description of Work	Rate	Amount	Amount of each part.
65 ¹⁵ / ₁₆	Cubical of Brick Cubes in Clay — Cft.	3 - -	197 13 -	
92 ¹¹ / ₁₆	Do. of Brick Cubes in Chunnam — Do.	3 6 -	312 13 2	
6959 ¹ / ₄	Cubic feet of Brick in Chunnam — Cft.	2 -	869 14 6	
419	Cubical of Brick Cubes in Clay — Cft.	3 - -	1257 - -	
1059	Do. of Brick Cubes in Chunnam — Do.	3 6 -	3574 2 -	
8158	Sq. ft. of Plastering — per Sq. ft.	2 - -	163 2 6	
	Removing and Clearing Old Work	- - -	50 - -	
	Cross Banks	- - -	100 - -	
	Baling	- - -	800 - -	
	Erecting Pick Rollers &c.	- - -	40 - -	
	Excavating and filling in	- - -	300 - -	7664 13 2
	Sundries and Contingencies	- - -	- - -	735 2 10
Total Estimate. Rupees				8400 - -

Supd. Engr. Office 6th Div.
Tanjore
23rd March 1864.

[Signature]
Captain R. C.
Offd. Superintendent Engineer 6th Div.

N. 2238

Supr. Engrs Office 6th Division
Tanjore 22nd March 1864

From,

Captain J. Bean R.E.

Offr. Supr. Engineer, 6th Div.

To,

Colonel C. A. Dyer R.E.

Secretary to Government

S. N. D.

Enclosures

Abstract Estimate

Plan (for supply)

Report

Sir,

I have the honor to reply to Government Order dated 10th July 1863 N. 1839 which reply was called for in Memorandum N. 14 of the 2nd December last, regarding the fall of the King wall of the South Rajah Vaikal Surplus Sluice branching from the Lower Coleroon Ament and the submission of an Estimate for its restoration.

2 Lieut Colonel Ford did not send an answer to the above requisition because he wished to become acquainted with the work from personal inspection, and I have delayed my reply until I could, also, visit the Sluice and see what repairs were required, from my own observation. The enclosed Plan and Estimate amounting to Rupees 8400 provides for the rebuilding of the King Wall with

Enclosure in letter from
the Offr. Supr. Engrs 6th Div.
to the Secy to Govt. dated
N. 2238 dated 23rd March
1864

47/444/116

a good depth of foundation of solid masonry for the upper five feet, and for laying down brick cubes in clay in the holes formed in rear of the work, and brick in Chumam as a flooring above, with a small front retaining Wall. To save extra expense, I have only allowed for brick cubes along the front of the extended Wing Walls, and not across from wing to wing in the bed of the Channel. Lieut Colonel Ford suggested, as a protection to the work, that brick cubes should be laid as a flooring in front of the Sluice as the Walls were cracking, and I have allowed for this flooring in the Estimate.

3 On excavating the foundations of the old work, I found that the portion that had first been rebuilt had been laid on brick cubes, and that the second portion had been built on concrete and solid masonry. The cause of the fall I attribute to the scour of the water along the face of the Wing Walls, and, probably, to the pressure of the earth against the back of the Wall. If, as Captain Mullins ^{expressly} says, the foundations were built of brick cubes in clay this alone might account for the fall, as displacement would take place

place from a rapid scour, but my examination showed that a portion of the foundation is composed of concrete which has stood perfectly firm, as well as the part above for a height of 4 feet of solid brick masonry. At this distance of time, I cannot say who is to blame for the accident, and Captain Mullins in his letter of the 5th May 1863 N. 10, embodied in Government Order quoted above, has given the history of the work.

4 As the work was one of importance requiring immediate attention and materials were at hand in consequence of the rebuilding of a portion of the Lower Anicut, I authorized the Supervisor in charge to proceed with the repairs at once. We cannot expend above Rupees 1000 in the present official year, and I beg that I may be allowed to charge this sum under the head of General Repairs from one of the three

Dykes	Rupees 80,750
Discretionary allowance	20,000
Special grant for maintenance	12,907

Budget items in the margin, which though appropriated cannot be entirely expended in this year.

I have the honor to be
Sir,
Your ^{very} obedient servant

W. R. C.
Capt. R. C.
Off. Secy. Engrs. Co. B. D.

10th July 1863 cr: 231-232

1864
P. O. of Geo. W. Smith
from No. 1344

The Duke of Devonshire

To
The Secretary to Court
No.

Oct 22 - Jan 28

22238

Endlines 3

According on the full
of the wire will I doubt
Royal Naval Amphibio
Dinner at the Kaiser's Court
and forwarding an estimate

for repairing the same
at \$1005-97⁰⁰ April 11/01.
Wm. W. Corder.

2/10/25

The Governor in Council directs
the estimate of Rupees 8,400 submitted with
this letter for the restoration of the Ming wall
of the Jagat Rajal Ditch surplus the sum
branching from the Lower Coleroon Current.

2. The work being a repair, the expenditures in the present year will be provided for in the Budget.

Amount of Surplus 80,750 for 2nd Mar.

To the High Commission B^{rs} D^{rs} with the Instructions and
 Cont^ll^l of 1779 Accounts
 — " Accountt^{ts} General.
 Rec^d.
 Rec^d 11th April 1780. Charles Smith
 Sec^y of the Privy Council 1781.