

(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.	1640	Press
B.P. No.		Mis.
406-406A-407		
Dated	26- 6-	1873

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
26th June 1873.*

Read the following papers:—

No. 406. From Captain J. PENNYCUICK, R.E., District Engineer, North Arcot, to Lieutenant-Colonel J. MULLINS, R.E., Chief Engineer for Irrigation, dated Vellore, 4th April 1873, No. 26.

I HAVE the honour to forward herewith for your sanction two estimates, amounting to Rupees 1,480, for repairing the Aroongundrom large tank, and constructing an additional surplus weir,

- 1 Plan.
- 2 Estimates.

and to state that the amount exceeds the average revenue for four years.

2. The Officer in charge of Vellore Range has informed that the work was commenced on emergency, as the bund of the tank was much damaged by the late cyclone.

From the same Officer, dated Vellore, 4th June 1873, No. 755.

WITH reference to your memorandum No. 222 of the 17th April, I have the honour to re-forward the estimate, amounting to Rupees 1,400, for the repair of the Aroongundrom large tank.

- 1 Estimate.

2. On consideration it is found that the present calingulah can be made to carry off the full surplus if converted into a flush escape by the removal of the dam stones, and some slight alterations which will be carried out as a Minor New Work at a cost of Rupees 55.

3. The rate for earthwork is based upon a calculation of lead and lift, and I am satisfied of the propriety of it.

4. No doubt it would be better if longitudinal and cross-sections of the bund were taken, but neither Range Officer nor Overseers have the time for doing this. We have to work as best we can with the means at our disposal.

No. 406 A. *Note by the Chief Engineer for Irrigation.*

THE Aroongundrom Tank appears to have breached in consequence of the bund being out of repair, or of insufficient height with reference to the surplus calingulah. In 1869-70, one and one-third year's revenue were laid out upon it, and the present estimate amounts to five times the average revenue. The District Engineer reports that the work has been commenced on emergency, and as the estimate has not been supported by longitudinal and transverse sections of the bund, he should inspect the tank at an early date and satisfy himself that these repairs will place it in a safe and efficient state.

OOTACAMUND, (Signed) JOHN MULLINS, Lieut.-Colonel, R.E.,
11th June 1873. *Chief Engineer for Irrigation.*

No. 407. ORDER THEREON, 26th June 1873, No. 1,670.

IRRIGATION, No. 37.

THE estimate, amounting to Rupees 1,400, for the repair of the Aroongundrom Tank in North Arcot, the average revenue of which is Rupees 200, is sanctioned. The attention of the

Proceedings of the Madras Government, Public Works Department,
26th June 1873.

District Engineer is called to the remarks of the Chief Engineer for Irrigation, and he will take care that this large estimate is so carried out as to ensure the safety and efficiency of the tank.

(True Extract.)

Lieut.-Colonel, R.E.,
Joint Secretary to Government.

To the Chief Engineer for Irrigation.
.. District Engineer, North Arcot.
.. Controller of Public Works Account

North Arcot
(District Engineer's Office)
Vellore 4th April 1873.

N^o 26

From
The District Engineer
North Arcot.

To
The Chief Engineer
for Irrigation

Sir,

I have the honor to forward
herewith for your sanction two Estimates amounting to Rupees 1480 - - for repairing the Broon Gundoom Large Tank, and constructing an additional surplus weir, and to state that the amount exceeds the average revenue for 4 years.

Enclosures 3.
Plan - 1
Estimates 2.

The Officer in charge of Vellore Range has informed, that the work was commenced on emergency as the bund of the Tank was much damaged by the late cyclone.

I have the honor to be
Sir,

Your most Obedient Servant
B. R. S. - 7 Capt. R.
District Engineer N. A.

Revenue Irrigation

Repair

Detailed Estimate No. 306 of 1872/73

District North Arcot Taluk Area

Village No. 125 Arongundam.

Work Closing breaches and washings &c to the Arongundam
large Tank caused by the Cyclone of 2^d May 1872
Agreement and assessment of Cultivation Cammas 63-- Rs. 436--
Average Revenue during the passed 5 years 36-- Rs. 290--
Expected increase of Revenue.

Date and cost of last repair in 1869/70

Position of Tank - Distance 12° 12' 30"
Longitude 78° 18' 30"

Particulars

Measurement

L B D

Cy of
Earth
Cy of
Stone
Cy of
Gravel
Cy of
Plaster
Cy of
Brick

Commencement from North end near Mill (deep portion)

Repair, top washed front washed and rear washed & gully &c, strengthening Bund (average width & height taken)	150	6 1/2	3	2925	
do Filling hollow at to them to level of ground	110	1 1/2	1	165	
Raising to bund above do	150	4 5/8	1 1/2	1040 5/8	
Rebuilding old stone do	150	1/2	2	150	
Surfing - do -	150	.	4		600

Repairing washed portions gullies and strengthening (average width and height)	112	5 3/4	2 1/2	1610	
Raising Bund do	112	4 5/8	1 1/2	777	
(Surfing - do -	112	.	4		448

Carried forward

6577 5/8

1048

From
The District Engineer
North Arcot

To
The Chief Engineer
for Irrigation

Dated 4th April 1873

Enclosure Three

No 557/73

Forwards two Estimates of
Arongundam large Tank
for sanction

Particulars	Measurement			Rate	Amount	Surplus
	L	B	D			
Brought forward					14705 7/8	150 105 2948
Breach. Filling in and levelling irregular hollow at bottom of breach	14	9	3/4	764		
do in rear portion	12	7	1	137		
do Filling hollow in front of breach	14	3	7/8	103		
do do	3	14	1 1/2	64		
do do North side	5 1/2	1	4	22		
do do South side	5 1/2	7/2	3 1/2	9 1/2		
do Band alone	14	13 1/2	7	1347 1/2		
do New stone (as old stones were carried off)	20	3/4	4			
do Turfing	20	3/4	4			
Repairing gullies washed portions and strengthening old bund (average top taken)	245	4 1/2	2 1/2	2758 1/2		
Raising Bund alone	245	4 1/2	1 1/2	1699 1/2		
Turfing	245		4			
Breach. Filling and levelling irregular hollows at bottom of Breach	11	8	1 1/2	132		
do Bund alone	14	9 3/8	4 1/2	590 5/8		
do New stone & cement	20	3/4	3			
do Turfing	20		4			
Repairing washed portions gullies and widening old Bund	130	4	1 1/2	650		
Raising Bund alone	130	3 1/2	1	422 1/2		
Turfing	130		4			
Strengthening Bund and repairing washed portions	80	2 3/4	1	220		
Turfing	80		3			
Carried forward					14705 7/8	150 105 2948

Particulars	Measurement			Rate	Amount	Surplus
	L	B	D			
Brought forward					14705 7/8	150 105 2948
Raising Bund up to Calingulah	120	2 3/4	1/2	142 1/2		
Turfing Calingulah	120		3			
	10					
Total					14847 7/8	150 105 3308

Abstract			Rate	Amount	Total
Quantity	Description of charges				
14847	Cubic yards of Earthwork		1 3	11544 9	
150	do of Old stone		2	180	
105	do of New stone		10	650	
3308	Square yards of Turfing		6	10360	
	Total				13471 9

Sundries and unaccounted for 525 2

Total Estimate of Rupees 14000 0

Colld. R. P. District Engineer A. O.

Surge

The water overtopped the Bund and it may be said a great long breach is forming two big breaches. The measurements for top and side breaches are taken approximately as well as could be done. New stone provided as old stones were carried off at the two big breaches. The area of drainage is 3/4 a square mile and the present Calingulah will not ~~discharge~~ ^{if connected with a flank wall} sufficiently discharge the surplus. ~~The bank will not admit of simple means, a plan and estimate for additional work will be submitted in due course under "Minor new work & Command work"~~

Vellore Range Office
Camp. H. and P. M. M. J. L.
19th Oct. 1872

By *George Charles*, B. L. C.
Asst. Engineer Vellore Range

North Arcot,
DISTRICT ENGINEER'S OFFICE,
Vellore 4 June 1870.

*The DISTRICT ENGINEER,
NORTH ARCOT.*

to the Chief Engineer
for Irrigation

Encls - One
1 Estimate

Sir,
With reference to Your memo No. 222, of the 17th April,
I have the honor to refer and the Estimate amounting to Rs. 400
for the repairs of the Mangoondeum large tank.
I am, Sir, present calen-

2 On consideration it is found, that the present calcu-
-gulation can be made to vary of the full surplus of converted
into a flush escape by the removal of the dam stones, and some
slight alterations, which will be carried out as a minor new
work at a cost of \$2500.

3 (1) The rate for car travel is based upon a calculation of load and lift, and I am satisfied of the propriety of it.

No doubt it would be better if longitudinal and
explorations of the buds were taken, but neither Range officer
newcomers have the time for doing this. We have to work as
best we can with the means at our disposal.

I have the honor to be,

Your most obedient Servant.

Your most obed

Thos Perry

Capt. H. B.

District Engineer, North Arcot.

[illegible]

3
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 ... appears
 ... in consequence of the
 ... of repair, or of insuffi-
 ... reference to the
 ... In 1869-70 one
 ... years revenue were laid
 ... and the present state
 ... to 5 times the
 ... The District Au-
 ... the work has
 ... on emergency, &
 ... has not been sup-
 ... and trans-
 ... he should
 ... at an early
 ... himself that
 ... place it in a
 ... state.

Wm. Williams J. C. P. H.
 11 June 1873
 Secretary to Govt P. H. D.

1873 No. 868
 P. M. 3557/73
 The District Engineer,
 North Arcot.
 To
 The Chief Engineer
 for Bangalore
 Dated 4th } June 1873.
 Received 2 }
 Enclosure 1
 Subject.
 Reference to the Report
 amounting to Rs. 14,000 per An.
 of Rs. 16,000 per An.
 for 1873-74.

1870-28 June 1873

P. W. 1873 Department.

Chief of Post for Amur
No. 3551.

The Chief of Post
for Amur.

The Chief of Post
for Amur.

Dated 11th June 73
19th June 73
Incl. 2

to be in the station
for the repair of the
iron road from Amur
to Khabarovsk.

No 1670. 26th June 73.

1670 P.M. B. A. L. 1873
No. of the Madras Govt
Read the following:-

From the Chief of Post for Amur (H.E. dated 11th June 73)

The estimate, amounting to Rs. 1400, for the repair of the iron road from Amur to Khabarovsk, the average estimate which is Rs. 290, is sanctioned. The attention of the District Engineer is called to the necessity of the Chief Engineer for Amur, and he will take care that this large estimate is carried out as to ensure the safety & efficiency of the work.

By 11/6/73

By 11/6/73

The Chief of Post for Amur
to the Chief of Post for Amur
in Amur on 26th June 73

Cp. 3551 3rd

CHIEF OF THE DISTRICT

PUBLIC WORKS.

The Chief Eng^r for
Irrigation

26th June 1870.

1000 & 1007

Kroongsoondram Tank,
North Arcot Dist. Estimate
amounting to Rs. 1400 for
the repair of the tank,
sanctioned with remarks.