M.R.O. 1—10,006—28-2-50.

(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.	2898		Press
~~B.P. No.~~ 21—22.			~~Mis.~~
Dated	1— 12.		~~195~~ 1873

Not to be folded or roughly handled

Read the following papers:—

No. 21. From Captain J. PENNYCUICK, R.E., District Engineer, North Arcot, to Lieutenant-Colonel J. MULLINS, R.E., Chief Engineer for Irrigation, dated Camp at Nagavedu, 23rd September 1873, No. 2,037.

I HAVE the honour to forward herewith an estimate, amounting to Rupees 930, for repairing the Carpenthangal tank in the Wallajah Taluq.

2. The circumstances attending this work are precisely the same as those explained in my letter No. 1,779 of 2nd instant, with reference to the Palaypolliem Moottary tank in the same taluq.

3. In reply to my request for explanation as to his having put this work in hand without sanction, after having himself recommended that the tank should be abandoned, the Range Officer states that, having received no orders on the subject, he thought that his recommendation had been over-ruled, and adds that he has since altered his opinion as to the propriety of abandoning the tank.

4. I have pointed out that in the absence of my orders, it would have been more natural to assume that his recommendation had been accepted, and that in any case he should have awaited, and, if necessary, have asked for further instructions before putting the work in hand.

5. Having inspected the tank I am of opinion that the repairs should be carried out, and the Collector agrees in this view. I have therefore ordered the work, which had been stopped pending inquiry, to be proceeded with.

6. The "class" and slope of bund are given in the heading of the estimate; no further specification is necessary.

7. It is not improbable that some small increase of revenue may be obtained when the tank is put into thorough repair, as the present average revenue is under two-thirds of that due to the ayacut.

NOTE.—The tank cannot be identified on the Ordnance map; it is about four miles north-west of Arconum Railway Station.

No. 736.

No. 21A. *Note by the Chief Engineer for Irrigation.*

THE District Engineer, North Arcot, submits an estimate, amounting to Rupees 930, for the repair of the Carpenthangal in the Wallajah Taluq.

The ayacut area is 48 Acres.*
Do. revenue 219 Rupees.
Average do. 135 ,,

* Cawnies 36-14-4.

The Range Officer, Mr. Sub-Engineer Smithers, after reporting his opinion that the tank might be abandoned, proceeded to repair it in anticipation of the sanction of the estimate. The District Engineer has inspected the tank, but his letter contains no information on the following points:—

(*a.*)—The cause of the breaching of the tank.
(*b.*)—The dimensions of the escape calingulah or weir, if there be one.
(*c.*)—The greatest depth of water which passed over the escape.
(*d.*)—The former and proposed heights of the top of the bund above the escape crest.

2. On the estimate it is said that the tank is of the second class. The classification is probably that of the Manual entitled "Notes on building and road-making," etc., and by the rules therein contained a tank of this class would have its bund 1½ yards above the highest water-mark, which latter therefore it is necessary to ascertain and record on the estimate, referring it to the crest of the escape if there be one, or to some other fixed point, as the top of a sluice if there be no escape. The District Engineer says, in paragraph 6 of his letter, that the class and slope of bund having been given, no further specification is necessary. This is altogether an erroneous idea; a general classification cannot possibly determine the actual, but only the relative level of a bund, and it is the former and not the latter point on which information is needed in the case of every tank estimate, without exception, which provides for the repair of earthworks. Not only as regards estimates which require superior sanction, but for those which may be sanctioned locally, the District Engineer should require the intended height of the bund above highest water-mark, and the level of this with reference to some fixed point to be specified, and he should be held responsible for all unnecessary work done on the one hand, and for all accidents resulting from an insufficient height of bund on the other hand, if he neglects to obtain such information before disposing of estimates.

3. The present District Engineer is not responsible for the irregular proceedings of the Range Officer, and as it appears that the latter has been admonished and instructed as to his duty, the estimate may be sanctioned.

DOWLAISHWERAM,
17*th October* 1873.

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

No. 22. ORDER THEREON, 1st December 1873, No. 2,898.

IRRIGATION, No. 2.

THE estimate, amounting to Rs. 930, for the repair of the Carpenthangal tank in North Arcot is sanctioned.

2. The attention of the District Engineer is called to the remarks contained in the Note by the Chief Engineer for Irrigation; he has already been instructed in G. O., No. 2,388, of 29th September, to afford full information when submitting estimates for orders.

3. Areas of irrigation should be given in acres, and not in local land measures.

(True Extract.)

Colonel, R.E.,
Secretary to Government.

To the Chief Engineer for Irrigation.
" District Engineer, North Arcot.
" Officiating Controller of Public Works Accounts.

Exd. S. T. Austin.
Spare Copies.

No. 2037.

North Arcot,
DISTRICT ENGINEER'S OFFICE
Camp Aragaveloo 23 Sept 1873.

From

The DISTRICT ENGINEER,
NORTH ARCOT.

To

The Chief Engineer for Irrigation

Sir,

I have the honor to forward herewith an estimate amounting to Rs 930 for repairing the Carpenthangal tank in the Wallajah Taluq.

2. The circumstances attending this work are precisely the same as those explained in my letter No 1779 of 2 Instant with reference to the Salaypolliem Moottary tank in the same taluq.

3. In reply to my request for explanation as to his having put this work in hand without sanction, after having himself recommended that the tank should be abandoned, the Range Officer states that having received no orders on the subject, he thought that his recommendation had been overruled, and adds that he has since altered his opinion as to the propriety of abandoning the tank.

4. I have pointed out that in the absence of my orders it would have been more natural to presume that his recommendation had been accepted, and that in any case he should have awaited, and if

necessary have asked for further instructions before putting the work on hand.

5 I Having inspected the tank I am of opinion that the repairs should be carried out, and the Collector agrees in this view. I have therefore ordered the work, which had been stopped pending enquiry, to be proceeded with.

6. The "class" and slope of bund are given in the heading of the estimate; no further specification is necessary.

7. It is not improbable that some small increase of revenue may be obtained when the tank is put into thorough repair, as the present average revenue is under two thirds of that due to the ayacut.

I have the honor to be
Sir
Your most obedient Servant

[signature] Captain R.E.

District Engineer North Arcot.

Note - The Tank cannot be identified on the Advance map; it is about four miles North west of Arcot railway station -

E. No. 1620

From

Rep

The District Engineer,

North Arcot.

To

The Chief Engineer for Irrigation

Dated 23 September 1873.

Received 25th

No. 2037

Enclosure 1

Subject.

Forwards for sanction an estimate amounting to Rs 930 for repairing Carpenthangal Tank in the Wallajah Range.

Ltr No: 2888 dated 17th Sept 73

Rem P.W. 590/73

In the name of the former

This letter could not be sent on as soon as the letter No. 1779 referred to

No. 736.

Note by the Chief Engineer for Irrigation.

The District Engineer North Arcot submits an estimate amounting to Rupees 930 for the repair of the Carpenthangal in the Wallajah Talug. The Ayacut Area is 48 acres.

* Cawnies 36-14-4

Revenue 219 Rupees

Average do 135 "

The Range officer, Mr. Sub Engineer Smithers after reporting his opinion that the tank might be abandoned, proceeded to repair it in anticipation of the sanction of the estimate. The District Engineer has inspected the tank, but his letter contains no information on the following points.

a. the cause of the breaching of the tank.

b. the dimensions of the escape Calingalah or weir - if there be one.

c. the greatest depth of water which flowed over the escape.

d. the former and proposed heights of the top of the bund above the escape crest.

2. On the estimate it is said that the tank is of the 2nd Class. The classification is probably that of the manual entitled "notes on building and roadmaking" Vol I, and by the rules therein contained a tank of this Class would have its bund 1½ yards above the highest water mark, which latter therefore it is necessary to

ascertain

not responsible for the irregular proceed-
-ings of the Range officer, and as it appears
that the latter has been admonished and
instructed as to his duty, the estimate may
be sanctioned. —

Office of the Chief Engr
for Irrigation
Sowlaishwaram 17th Octr 73

H. Hendersons Lieutt Col R.E.
Chief Engr for Irrigation

To

The Secretary to Govt P.W.D.

mi ascertain and record on the estimate, referring
it to the event of the decision of the case if there be one, or to
some other fixed point, as the top of a sluice if
there be no escape. The District Engineer
says, in case 6 of his letter, that the cost and
the scope of bund having been given, no further
specification is necessary. This is altogether
a erroneous idea - a general classification
cannot possibly determine the actual, but only
the relative, level of a bund, and it is the
former and not the latter point on which
information is needed in the case of every bank
estimate, without exception, which provides for
the repair of earthworks. Not only as regards
estimates which require supervision but also
for those which may be sanctioned locally,
the District Engineer should require the
intended height of the bund above high
water mark, and the level of this with reference
to some fixed point to be specified, and be
should be held responsible for all unnecessary
accidents resulting from an insufficient
height of bund on the other hand, and for all
to obtain such information before dispatching
of estimates.

4. The present District Engineer is

P.W. 1873 Depart
Ex. of Govt for De
Inv. No. 59
The Chief Eng
for Irriga
To The Secretary
to Govt,
No 936.
Dated 17th Oct.
Recd 30th —
Encls 2
Note on the
estimate of £
930 for repair
of the Current
Sault in Wall
jah Range sub
ted by the Ex
No 2898 - Pd

1821
Rec'd 13-11-73
Sent to Colo 21st Nov/73

North West District.
No 1 or Wallajah Range
Salug Wallajah
Detailed Estimate No 49 of 1873/74

Imperial Irrigation Canal

Work. Filling in gullies. Closing breaches. Widening & Raising the bund of Caroopenthangel Tank & Turfing both Slopes

2 Class Slope 1½ to 1 Commencing from south end of tank

Widening measurement L	B	D	Total	Remarks	Raising measurement L	B	D	Total	Remarks
									New progress
20					20				
12	1¾	¾	15¾		12	2⅝	¾	23⅝	
12	10	2½	300	Filling in Gully	12	2⅝	¾	23⅝	closing breach
20	1¾	¾	26¼		20	2⅝	¾	39⅜	
3	3	1	9	do	3	2¼	½	3⅜	do
8	1¾	¾	10½		8	2⅝	¾	15¾	
5	6	1½	45	do	5	2⅝	¾	9 13/16	do
11	2⅛	¾	17½		11	2⅝	¾	21⅝	
12	16	1½	288	do	12	3	1	36	do
38	2⅛	¾	57⅜		38	2⅝	¾	70⅞	
26					26	3¾	1½	146¼	do
8	2⅛	¾	12¾		8	2⅝	¾	15¾	
12	1	1½	108	do	12	3	1	36	do
39	2⅛	1	82⅞		39	2⅝	¾	76¾	
12	10	2	240	do	12	3	1	36	do
26	2	1	52		26	2⅝	¾	51 3/16	
14	14	1½	294	do	14	3	1	42	do
28	2	1	56		28	2⅝	¾	55⅛	
40	2⅝	1	85		40	3⅜	1¼	168¾	
100	2	1	200		100	2⅝	¾	196⅞	
48	3½	1	168		48	3	1	144	
66	2⅛	2	280½		66	2⅝	¾	129 15/16	To close
52					52	2¼	½	58½	
200	2⅝	2	1050		200	2⅝	¾	393¾	
196	2¼	2	882		196	2⅝	¾	385⅞	
208	2¾	2	1144		208	2¼	½	234	
6	10	2	120		6	4½	2	54	
160	2¼	2	720	do	160	2¼	½	180	Closing breaches
Total Cyds			6264½		Total Cyds			2648⅞ 13/16	
Grand Total			2648⅞					1800	Turfing
			8913⅜		1360	5			
					Total sq. Yards			1800	

Annual Charges 36—14—½ Rs 219—2-9

Average Revenue for 5 Years 135—5—

Date of last Repair & Cost Not known

Nature of the work Tank breached, bund low and weak and requires urgent Repairs

This Tank & Khuds might be abandoned

1

Abstract

Quantities	Description of Charges	Rate Per	Amount	Total
8913⅛	Qrs of Earth work	13 Cy	69655	
6800	Sq Yds of Turfing	6 Sq Yds	2128.	
	Sundries Rs		2127	
	Total Estimate Rupees			930

Asst Walleyah Range Office
Campeh 24th January 1873

Wm Smithwhole Esqr
Asst Walleyah Range Offt. A

Jno Penny Lt Captain R.E.
District Engineer N. Arcot

G. Gibbons
Collector

No. 2898 Bwd.

Comr. of the Irrigation Trust

New Mo Mission

From Mo Chief Engr for Irrigation (H.O. No 738/1877 Calcutta)

Memorandum, annexing to
Return 930, for the repair of the
Carpenthangal tank in North Arcot
Collectorate.

2. The attention of the Collector
Engineer is called to the remarks
contained in the Note by the
Chief Engineer for Irrigation,

herewith returned, R.O. No.
instructed in Sept. 2
2380 of 29 Sept. 2
Mr. Price report
Mission, when
Mr. Brunton
for sanction -

Sd

and to the fact that any estimate for
Canal repairs should be
the case of this
to avoid avoidable
submitted necessary for
submitting with the
estimate has been
carefully examined with reference
to the circumstances of the tank

3. Area of irrigation should

be

Imperial Irrigation Revenue

North Arcot District

No 1 Wallajah Range

Ealug Wallajah

Detailed Estimate No 49 Dated 16/12/73

Work Filling in gullies,
Closing breaches Widening
& Raising the bund of
Carrapenthangal
Tank & Lining both
slopes

Estimate Rupees 930-

GO No. 2898 - 1-12-73

Sd 1/1630/73.

P. W. 5996/73

be given in acres, and not in local land measures.

44. 17/10/73

Agreed.

3. 4

Clerk to forward to the Deputy Surveyor, North Street Letchworth.

Despatched 3-C 3/12/73.

h 21-22.

Rec'd 13-11-73

Mapped 3rd Cert 73

Govt. No. 5906

Govt. of {1873} Madras.

PUBLIC WORKS.

To The Chief Engr for Irrigation

Dated

Recd. Encl. 2

G. O. 1st Dec. No. 2898-

Nos. 21 & 22

Carpenthangal Tank, North Arcot District. Estimate of Rs: 930 for the repair of the Tank, sanctioned with remarks.