

(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.	3371	Press
B.P. No.		Mis.
Dated	24-11	1875 195

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
24th November 1875.*

Read the following :—

No. 1,355.

No. 571.

MEMORANDUM.

The following estimates have been received from the District Engineer, Cuddapah :—

				RS.
Sadiperilla Tank. Repairs...	...	...	...	1,180
Ayacut	...	...	Acre	{ Government 143 707
				{ Inam 30 213
Average revenue	...	...	...	1,112
Expenditure in 1873-74	...	...	...	343
Do. in 1874-75	...	...	...	192

2. The area of the catchment basin is 3 square miles, and the means of disposing of surplus are a weir 60 feet long and low ground over which any quantity of flood water can, it is reported, be discharged.

3. The estimate provides for repairs to earthwork, rebuilding revetment, &c., and for gravelling the top and part of the slopes of the bund, the soil being reported to be so bad as to require this protection; nearly half the estimate is for this latter work. Apparently a width of gravelling of 11 yards is provided for, and the top width of the bund being $1\frac{1}{2}$ yards and the inner slope above the revetment about 1 yard, some $8\frac{1}{2}$ yards must be for the rear slope. The gravelling of the top and interior slope will probably be advantageous, but before a considerable sum is laid out upon coating the rear slope, an experimental length should be tried, it being by no means certain that the gravel will stand. The revetment in the example section is shown without foundation; the front toe will need support somewhat as shown in pencil. The brick dust to be used for mixing with the lime must contain a large proportion of clay, or it will do little good. Tile dust is usually better than brick dust, but the proper plan is to make good clay, the purer the better, into small cakes and to burn and then reduce it to powder.

				RS.
4. Sonipoy Naikeral Tank	...	...	...	310
Ayacut	...	...	Acre	{ Government 16 116
				{ Inam 4 37
Average revenue	...	...	...	116

The area of the catchment basin is $1\frac{2}{3}$ square miles, and the maximum flood discharge in so hilly a country appears to have been somewhat under-estimated at 403 cubic feet a second. However, as the existing weir, 64 feet in length, will discharge that quantity with a depth of $1\frac{1}{2}$ feet of water passing over, probably a maximum flood will with safety be disposed of. The circumstances of the Dasabundum Tank immediately above are referred to in the report, and should be communicated to the Collector in order that measures may be taken for rendering it safe.

The work provided for is of the ordinary kind.

CAMP AT CUDDREE,
15th November 1875.

(Signed) JOHN MULLINS, Lt.-Col., R.E.,
Chief Engineer for Irrigation.

No. 572. ORDER THEREON, 24th November 1875, No. 3,371.

IRRIGATION, No. 55.

Account.

THE following estimates are sanctioned:—

Cuddapah District.

Sadiperilla Tank Rs. 1,180 Revenue.
Sonipoy Naikeral Tank " 310 "

2. The remarks in the foregoing note on the Sadiperilla Tank should receive attention.

(True Extract.)

Major-General, R.E.,
Secretary to Government.

To the District Engineer, Cuddapah.
" Chief Engineer for Irrigation.
" Controller of Public Works Accounts.
" Collector of Cuddapah.
" Revenue Department.
" Board of Revenue.

Irrigation

No 1355

Memorandum

The following estimates have been
enclosed to received from the District Engineer Cudda-
-pah.

Sadiperilla Tanks - Repairs - Rupees 1180.

Area Acres { Government 143 Rupees 707
Inam 30 213

Average revenue — Rupees — 1112.

Expenditure in 1873-74 — Rupees 343
1874-75 — " — 192.

The area of the Catchment basin is 3
square miles, and the means of disposing
of surplus are a weir 60 feet long, and
low ground over which any quantity of
flood water can, it is reported, be discharged.

The estimate provides for repairs to earth-
work, rebuilding revetment, &c. and for
gravelling the top and part of the slopes
of the bund, the soil being reported to be
so bad as to require this protection.
Nearly half the estimate is for this latter
work. Apparently a width of gravelling

114 yards

is provided for, and the top width of the bund being $1\frac{1}{2}$ yards and the inner slope above the revetment about 1 yard, some $8\frac{1}{2}$ yards must be for the rear slope. The gravelling of the top and interior slopes will probably be advantageous, but before a considerable sum is laid out upon coating the rear slope, an experimental length should be tried, it being by no means certain that the gravel will stand. The revetment in the example section is shown without foundation: the front too will need support somewhat as shown in pencil. The brick dust to be used for mixing with the lime must contain a large proportion of clay, or it will do little good. Tile dust is usually better than brick dust, but the proper plan is to make good clay, the purer the better, into small cakes and to burn and then reduce it to powder.

2. Panipoy & Vaikeral Tank. Rupees 310

Assessment - acres	Government	16	Rupees	116
	Income	4	Rupees	37

Average revenue — Rupees — 116.

The area of the catchment basin is $1\frac{3}{4}$ square miles

miles, and the maximum flood discharge in so hilly a country appears to have been somewhat under-estimated at 403 cubic feet a second. However as the existing weir, 64 feet in length, will discharge that quantity with a depth of $1\frac{1}{2}$ feet of water passing over, probably a maximum flood will with safety be disposed of. The circumstances of the Dasabundum Tank immediately above are referred to in the report, too and should be communicated to the Collector in order that measures may be taken for rendering it safe.

The work provided for is of the ordinary kind.

Camp at
Gudalur - 15
15 November 1875

Volundurins Lieut. Col. R. S.
Chief Engineer for Irrigation

To,
The Secretary to Government
P. W. D.

P. W. 1875 Sept.
No: 7436

From

The Chief Engr.
for Irrigation

Dated 15th Nov 1875
Recd 20th Dec 1875

G. 10/1358

Notes on Estimates
for the repair of
canal tanks in the
Cuddapah Dist.

No 3371

Public Works Dept

Proceedings of the Madras Government

Dated the 24 Nov 75

Read the following:

From

The Chief Engineer
for Irrigation

(G.O. No 1358 dt 15 Nov 1875)

The following Estimates
are sanctioned.

Cuddapah District

Revenue
S. diperilla Tank Rupees 1180

Sonipoy Naikeral do. 310

The remarks in the
foregoing note on the Sadi-
perilla Tank should receive
attention.

Am. 15/11

To The District Engineer
Chief Engineer Irrigation
Controlling P. W. Works
Collector of Cuddapah
Revenue Department
Board of Revenue

with 10 Enclosures

G.O. No 3371 24 11 75

Disp^d 4-12-75

No 571

1074 30

1875-1876
PUBLIC WORKS.

J. E. Buddapek

20/11/75

By
To
For

24 Nov 75 3371

No. 571-572

43
13
60

Repair of certain Lands
Buddapek St. - The
Estimates amounting to
Rs 1490 for the —
sanctioned with demands.