

(1) Number of pages _____

(2) Date of repair _____

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE

Government of Madras

P. U. C. W. M. A. S.

DEPARTMENT

G.O. No.

878

B.P. No.

Press

Mis.

Dated

5-6-195

0875

195

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department,
5th April 1875.

Read the following papers:—

No 91. From District Engineer, Kurnool, dated Camp at Peapalle, Tattikonda Taluq, 9th December 1871, No. 36.

No. 252-A.

No 92. *Note by the Chief Engineer for Irrigation.*
The above have been submitted by the

No 92. *Note by the Chief Engineer.*
 THE following estimates have been submitted by the District Engineer,
 Kurnool. 1. Tank of Chinna Kambalur, Rupees 1,050—

Pedda Reddy Tank of Chinna Kambalur, Rupees 1,050—

Pedda Reddy Tank of Chinna Kambalur, Taluk of ..	Acres	73
Ayacut area ..	Rs	397
" assessment ..	"	515
Average revenue ..	"	589
Highest do. ..	"	

have been executed in recent years.

No repairs have been executed in recent years.

No repairs have been executed in recent years. The requirements of the tank have been apparently carefully investigated, but the area of the catchment basin has not been stated, and as on that the needful provision for disposing of surplus water is dependent the omission is of importance. It is proposed to cut down the high ground at the south-east end of the tank for a length of 324 feet, and to allow 1 foot of water as a maximum to pass over this; and as, judging from the acreage, probably the catchment basin is from 2 to 2½ square miles, this arrangement is likely to be suitable. The estimate contains an item for shrinkage of earthwork, and this is unnecessary as soil taken from pits will occupy as much space in the bund as before its excavation. The rate, 1½ Annas a cubic yard, is certainly high for a bund of small height, and it should be reduced to 1¼ Annas if not to 1 Anna. In some cases, as noted on the cross sections, the new earthwork should be placed further forward or towards the tank, so as to receive effective support from the old bund. The estimate reduced to Rupees 920 may be sanctioned.

Veraval Tank, Rupees 1,200—

Acres: 60

2. Paroor Vavally Tank, Rupees 1,200—

Pooror Vavally Tank,	Rupees 1,200—	Acres 60
Ayacut area		Rs. 315
" assessment		" 406
Average revenue		" 600
Highest do.		

...last repaired in 1863-63 at a cost of Rupees 65.
...height of 1 1/2 feet

The tank was last repaired in 1863-63 at a cost of Rupees 65.

The tank was last repaired in 1863-64 at a cost of Rupees 60. The work proposed is the raising of the bund to a height of 4 feet above F. T. L., the maximum W. L. to 1 or 1 foot above that level. The existing escape which is to be improved has a water-way of 25½ feet, and it is stated that this is ample; but it is very doubtful whether this can be the case, for the area of the catchment basin, which has not been entered in the report, must be considerably over a square mile, and in that case the length required would be at least 120 feet. Further inquiry must, therefore, be made, and ample water-way allowed at one or other end of the bund. The rate, 1½ Annas, for earthwork is much too high, and the estimate may be reduced on this account and by omitting the item for shrinkage by Rupees 180. The total will then be Rupees 1,030. In some cases the new earthwork should be placed more to the front.

Proceedings of the Mayor, Governor, & Public Works Department.
6th April 1875.

3. Chinnakambalur Kotba Tank, Rupees 1,500—
Ayacut area

Moulvi Kolla Tank, Rupees 1,000—					
Ayout area	...	...	...	...	Area 185
" - Assessment	...	...	...	...	Ra. 1,072
Average revenue	...	...	...	...	" 1,317
Highest do.	...	...	...	...	" 1,662

The tank was last repaired in 1960-67 at a cost of Rs. 205.
In this case against

In this case again the area of the catchment basin has not been stated, and it cannot, therefore, be seen whether the proposed extension of the escape from 10 to 120 feet will be adequate, but it is probable, taking the area of irrigation as a guide, that it will be about right. It is intended that 2 feet of water shall pass over the escape, which is to be a rough stone pierment with one wing, as a maximum. The top of the bund will be 5 feet above P. T. L., 1½ Annas for each work cannot be admitted as a standard rate, and the estimate can very well be reduced by Rupees 300 on this account with the omission of sluikage. Rupees 1,500 may, therefore, be sanctioned. Of this Rupees 275 will be for the escape, and the rest for repairs. The location of the new work in the original sections was generally appropriate, but in enlarging the section and making the bund higher the addition has been shown all in rear, whereas it should be about equally divided between the front and rear.

4. Sirwell Nagala Tank, Rupees 3,370--

Ayacut area.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...</
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For this tank too the most important information, viz., the area of the catchment basin, has been omitted. Probably this area is between 4 and 5 square miles, and if so the proposed escape, 421 feet in length, would suffice with 1 foot of water going over, but it will be quite proper to allow 1½ feet between F. T. L. and M. W. L., the bund being 4½ feet above the former, and then a weir 210 in length will suffice, and the cost will be reduced from 576 to 350 Rupees. The observations made on the preceding estimates, as to the position of the new earthwork, are applicable to this tank. The earthwork rates also need reduction, and shrinkage may be omitted. The consequent reduction under repairs will be—

	RE-
Earthworks	284
Drainage	161
Contingencies	430

and under Minor New Works, 220. The estimate will then be for-

that information on this subject matter, therefore, in future be furnished

*Proceedings of the Madras Government, Public Works Department,
5th April 1875.*

6 The longitudinal and cross sections on which these estimates have been prepared have been taken by special temporary establishment.
(Signed) JOHN MULLINS, Lieut.-Colonel, R.E.,
Chief Engineer for Irrigation.
CAMP, NELLORE,
1st March 1875.

ORDER THEREON, 5th April 1875, No. 898

IRRIGATION, No. 12.

The following estimates for the repair and improvement of tanks in the Kurnool District are sanctioned. —

						RS.
<i>Repairs</i>						
Chinnakambalur	Pedda Reddy Tank	...	.	...	...	920
Do	Kotha do.	.	..	...	..	1,365
Paroor Vavally Tank	...	..	..	...	.	1,020
Sirwell Nagala do	...	...	..	..	.	2,210
<i>Minor New Works.</i>						
Chinnakambalur	Kotha Tank	.	...	...	...	225
Sirwell Nagala Tank	.	...	.	..	...	410

(True Extract.)

(Signed) G. W. WALKER, Colonel, R.E.,
Secretary to Government.

To the District Engineer, Kurnool
 " Chief Engineer for Irrigation
 " Controller of Public Works Accounts.

Exd S T Austin
Spare Copies

No 252 A

Note by the Chief Engineers for Irrigation

Enclosures
Sixty
Sixty D. 2.

The following estimates have been submitted by the District Engineer, Kurnool.

Podda Reddy tank of Chinna

Hambalur ————— Rupees — 1050

Ajacent Area — Acres 73

— " — Afforestation Rupees 397

Average revenue — " — 575

Highest — do — " — 589

No repairs have been executed in recent years.

The requirements of the tank have been apparently carefully investigated, but the area of the catchment basin has not been stated, and as on that the needful provision for disposing of surplus water is dependent the omission is of importance. It is proposed to cut down the high ground at the South East

East end of the bund forming it of 10 ft
feet and to allow 1 foot of water as is
maximum to pass over. This amount is
judging from the average probably the
catchment basin is from 2 to 2 1/2 square
miles, this arrangement is likely to be
suitable. The estimate contains an item
for shrinkage of earth work, and this is
unnecessary as soil taken from pits
will occupy as much space as ^{the} bund as
before its excavation. The rate is 1 annas
a cubic yard is certainly high for a
bund of small height, and it should be
reduced to 11 Annas if not to 10 Annas.
In some cases, as noted on the cross-
sections, the new earth work should be
placed further forward or towards the
tank, so as to receive effective supports
from the old bund. The estimate
reduced to Rupees 920 may be con-
sidered.

2. Paroor Vazally Tank Rupees 1200
Aycut Area Acres 60
Assignment Rupees 315.

Average revenue Rupees 406

Highest do do 600

The tank was last repaired in 1868-69
at a cost of Rupees 65.

The work proposed is the raising of
the bund to a height of 4 feet above F.T.L.
the maximum W.L. to be 1 foot above
that level. The existing escape which
is to be improved has a water way of
25 1/2 feet, and it is stated that this is
ample; but it is very doubtful whether
this can be the case, for the area of
the catchment basin, which has
not been entered in the report, must
be considerably over a square mile,
and in that case the length required
would be at least 120 feet. Further
enquiry must therefore be made, and
ample water way allowed at one or
other end of the bund. The rate is
annas for earth work as much too
high and the estimate may be

For this take too the most important information viz: the area of the catchment basin has been omitted. Probably this

Earth works —	Reapers 234
Shrinkages —	" — 164
Contingencies —	" — 322
	<u>1,300</u>
and under minor New works —	320

The estimate will then be for
Repairs ————— Rupees 2210
Minor new work surplus weir — " — 410

5 The District Engineer should understand that the area of the catchment basin is essential to the determination of the proper length of surplus weirs, and that information on this subject must therefore in future be furnished.

6 The longitudinal and cross sections on which these estimates have been prepared have been taken by special temporary establishments.

Lieut Col J. H. Dyer
Chief Engineer for Irrigation

To the Secretary to Government
P. W. D.

this area is between 1/2 and 3 square miles, and if so the proposed escape 424 feet in length would suffice with 1 foot of water going over, but it will be quite proper to allow 1' feet between P.T.L and M.W.L., the bund being 4 1/2 feet above the former, and then a section 240 in length will suffice and the cost will be reduced from 616 to 320 Rupees. The observations made on the preceding estimates as to the position of the new earth work are applicable to this tank. The earth work rates also need reduction and shrinkage may be omitted. The consequent reduction under repairs will be

Earth works — Rupees 236
Shrinkages — " — 164
Contingencies — " — 32

430

and under Minor New Works — 320.

The

118
The estimates will then be for
Repairs — Rupees 2210
Minor New Work surplus over — " — 410
5 The District Engineer should understand that the area of the catchment basin is essential to the determination of the proper length of surplus works, and that information on this subject must therefore in future be furnished.
6 The longitudinal and cross sections on which these estimates have been prepared have been taken by special temporary establishment.

For and under
Lent to
Chief Engineer for Irrigation
1875

To the Secretary to Government
P.W. D.

4

True

The Chief of
for Division-

22 1st March 1845.
22 12th — — — 1845.

No: 252A.
E:786

Note on Estimates
for the repair and
improvement of tanks
in the Plymouth Dist.

F.O. No 898-5-34/8

Proceedings of the Kansas Government
Read the following

Chen

The Chief Engineer for Navigation (U.S. No 252 A 91st hands/75)

- 898

The following estimates for the repair and improvement of tanks in the Harival District are sanctioned.

Rejoinder

(5) *Linnaea borealis* L. Portland Rodolphy Tanka. Purpus 920
 — do — — — — — " — 1365
 Purpur & Rodolphy Tanka — — — — — " — 1020
 Linnaea borealis L. do — — — — — " — 2210

c. Minor New Works

C. Penna-kumbaloor Hotha Tank Dupes 225
Sidwell Nagalur Tank --- 410

To The Dist. Judge, Kansas City, Mo.

Chief Clerk for the
County of W. Va.

Q-10-6-6-1

1700

GOBL. of HIST. RECORDS.

PUBLIC WORKS.

Mr. Egan
Brook.

1700

1700

1700

1700

1700

1700

