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(3) Initials of the Referencer_____

MADRAS RECORD OFFICE

Government of Madras

Public works DEPARTMENT

G.O. No.	1044(2)	Press
B.P. No.		Mis.
2776 279		
Dated	23. 4. 1874	195

Not to be folded or roughly handled

Read the following papers:—

No. 277. From W. FRASER, Esq., C.E., District Engineer, Kurnool, to Lieutenant-Colonel J. MULLINS, R.E., Chief Engineer for Irrigation, dated Sirvel, 19th January 1874, No. 999.

I HAVE the honour to inform you that I have sent to the Collector for counter-signature the plans and estimate for a new calingulah for Owk Tank, with a request that he will send them on to you direct. I have learned that he has gone to Cuddapah and will not return to Kurnool for a week or two, and as I am desirous of building the calingulah within this official year, I send you the memorandum to accompany the estimate, which will show you what is proposed to be done and the reasons.

2. The estimated amount is 1,170 Rupees. If you sanction this work, I can go on preparing materials until you have got the plans.

No. 222.

No. 278. *Note by the Chief Engineer for Irrigation.*

THE estimate, amounting to Rupees 1,170, submitted by the District Engineer, Kurnool, for constructing a new surplus weir 150 feet long across the Alagu Vagu at the west end of the Owk Tank in the Koilguntla Taluq is recommended for sanction.

1 No. 137, 19th January 1874, with
1 Memorandum.
1 Estimate.
1 Survey.

2. It is intended that the new work shall supersede a calingulah 75 feet long at the east end of the tank and a dam of 45 feet length across the Vagu. The former work is no longer serviceable, and it is stated that, as it surpluses over cultivated lands, it will be better not to re-build it at that site.

3. It has not been mentioned what is the greatest depth of water which has passed over the existing escapes, nor has the area of the catchment basin of the tank or the greatest quantity of water which can be conveyed by the river supply channel been stated, but it is evident that the proposed escape will have greater discharging capacity than the old works. Until however it has been made quite clear that the new escape will be absolutely sufficient to pass extreme floods, it will be well not to dismantle the 75 feet calingulah, but to close it by a bund, the top of which should be 18 inches above the crest of the new surplus weir or at 30' 91.

4. The wing walls as designed are not adapted to hold the banks to be connected with them, and the front wings should be extended to receive the revetted slope of $\frac{1}{2}$ to 1 which should be continued up to them instead of bringing the revetment to the perpendicular, while the rear part of the wings can be sloped to conform to the 1 to 1 slope of the bank. Moreover, as leakage between earth works and a wall having a straight back would be probable, a buttress* 2x2 should be placed in the centre of the top line of the bund. These alterations will

*Length 2 feet at ground level, 6 inches at top.
cost but a few rupees, and may be met from the provision for contingencies.

5. The average revenue of the tank is Rupees 16,385.

CAMP AT CORDACHARY, (Signed) J. MULLINS, Lieut.-Colonel, R.E.,
23rd March 1874. Chief Engineer for Irrigation.

*Proceedings of the Madras Government, Public Works Department,
23rd April 1874.*

No. 279. ORDER THEREON, 23rd April 1874, No. 1,044.

IRRIGATION, No. 16.

THE estimate, amounting to Rs. 1,170, for constructing a new surplus weir for the Owk Tank in the Koilguntla Taluq of the Kurnool District is sanctioned for execution from the grant for Minor New Works under Agricultural. The District Engineer will make the minor alterations in the design of the work, which have been pointed out by the Chief Engineer for Irrigation to be necessary; and until definite information is available to show the capacity of the new escape to be fully sufficient, the old 75 feet calingulah will not be dismantled, but will, if a definite settlement of the question cannot be arrived at within the next two or three months, be banded across at the level mentioned in the foregoing note.

(True Extract.)

Colonel, R.E.,

Secretary to Government.

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

Ed. E. C. Shunker.
Spare Copies

*District Engineer's Office
No. 999 Sirvel 19 January 1874.*

*From, The District Engineer,
Kurnool.*

*To, The Chief Engineer for
Irrigation.*

*Sir, I have the honor to inform
you that I have sent to the
Collector for countersignature,
the plans and estimate for a new
Kalingula for Owk Tank, with
a request that he will send them
on to you direct. I have
learned that he has gone to
Cuddapa and will not return
to Kurnool for a week or two.*

and as I am desirous of
building the Kalingula within this
official year I send to you the
memorandum to accompany
the Estimate, which will show you
what is proposed to be done and
the reasons. —

The estimated amount is
1170 Rupees. If you sanction
this work I can go on preparing
materials until you have got
the plans. —

I have the honor to be,
Sir,
Your most Obedt Servt
William Madu C.E.
District Engineer

Es. 122
H. 6

Or 274

It has not been mentioned what

what is the greatest depth of water which has passed over the existing escapes, nor has the area of the catchment basin of the tank, or the greatest quantity of water which can be conveyed by the river supply channel been stated, but it is evident that the proposed escape will have greater discharging capacity than the old works. Until however it has been made quite clear that the new escape will be absolutely sufficient to pass extreme floods, it will be well not to dismantle the 75 feet Galingulak, but to close it by a bund, the top of which should be 18 inches above the crest of the New Surplus weir or at 30.91.-

4 The wing walls as designed are not adapted to hold the banks to be connected with them, and the front wings should be extended to receive the revetted slope of $\frac{1}{2}$ to 1 which

90
which should be continued up to them instead of bringing the revetment to the perpendicular, while the rear part of the wings can be sloped to conform to the 1 to 1 slope of the bank. Moreover as leakage between earth works and a wall having a straight back would be probable, a buttress 2×2 length 2 feet at ground level, 6 inches at top, should be placed in the centre of the top line of the bund. These alterations will cost but a few rupees, and may be met from the provision for Contingencies.-

5 The average Revenue of the Tank is Rupees 16,385.-

Camp at
Cordachari
23rd March 1874

Whitcomb
Lieut. Col.
Chief Engineer for Irrigation

To,
The Secretary to Government
Public Works Deptt.

Public Works 1874 Sept 4
 No: 1824

The Chief Engr for
 Irrigation

To the Secretary & Govt
 P. W. &

No 222

Dated 23rd
 26th March 1874
 Re: 26

Sub 4

G.O. No. 1044. 23-4-74.

Recommend for
 the sanctioning of
 estimate No. 4700 for
 a new surplus weir
 150 feet long across the
 Mapu Yapa at the
 west end of Ouk
 Tank Kork guntha
 Taluq Kurnool Dist.

No 278

230 Mar 74 R. H. 174

1044 H. H. 174

Proceedings of the Madras Government
 Under date the 23rd March 1874
 From the Chief Engineer (Kurnool No 222 of 23rd March 1874)

MD
 343

The estimate, amount-
 ing to Rupees 1170, for
 constructing a new
 surplus weir for the
 Ouk Tank, in the
 Kork guntha Taluq of
 the Kurnool District
 is sanctioned for ex-
 ecution from the grant
 for Minor New works
 under Agricultural.
 The District Engineer
 will make the minor
 alterations in the design
 of the work, which
 have been pointed out
 by the Chief Engineer
 for

for Irrigation to be
necessary, and until
definite information
is available to show
the capacity of the
new escape to be
fully sufficient, the
old 75 feet Calingulah,
will not be dismantled,
but will, if a definite
settlement of the question
cannot be arrived at
within the next 2 or 3
months, be banded across
at the level mentioned
in the foregoing notes.

Wm. 23/3/74
Wm.

To The Chief Engineer for
Irrigation
with 3 copies
" Dist. Engr. Mr. Sturges
" Controller of P. W.
accounts.
V. Copies despatched to all 30/4/74.

277-279.

Chas. M. 21/4/74

for Irrigation to be
necessary, and inter

1824

Govt. of 1874 Madras.
PUBLIC WORKS.

To

C. Supr. for Ingn.

Dated

Recd.

Encl.

G. O. 23 April 1874, No. 1044

Nos. 277-279

Jan Vs

Estimate of No. 1170 for
a new surplus weir for the
Duck Tank in the Kail
Taluk of the Kinnaird
District, sanctioned of
with certain instructions