

(1) Number of pages _____

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MADRAS RECORD OFFICE

Government of Madras

Public Works DEPARTMENT

G.O. No.

2900

Press

B.P. No.

Mis-

Dated

11. 10.

195

18/5

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
11th October 1875.*

Read the following:—

No. 1,158.

No. 151. *Note by the Chief Engineer for Irrigation.*

No. 144, 27th September 1875.

THE following estimate has been submitted by the District Engineer, South Arcot.

Owlurpett Tank	Rs. 1,350
Ayacut Area	Acres 143
Assessment	Rs. 907
Average Revenue... ..	„ 1,003

Rupees 939 were expended in 1874-75. The tank is stated to have breached badly in May 1874, and again in the following October. The longitudinal section shows that the requirements of safety were not attended to either before the flood of May or after it. The area of the catchment basin of the tank has not been mentioned. It has three calingulahs measuring together 321 feet, of which 270 are effective. The dam stones are to be removed, and it is supposed that then M. W. L. will not exceed the level reached by the water last year, though of course in the absence of information as to the drainage to be disposed of the inference is based upon no definite data. The crest of No. 3 escape should be lowered to the intended F. T. L., and all wing walls should be $6\frac{1}{2}$ feet above this. It is not clear why, in the specification, it is directed that a portion of No. 1 escape is to be left nearly 2 feet below F. T. L. If irrigation water be taken off at this point it would be better to provide sluice vents with shutters in the crest wall, otherwise the crest should be built up to the proper level. The bund is to be $6\frac{1}{2}$ feet above F. T. L., and M. W. L. being $3\frac{1}{2}$ feet above the latter the maximum flood discharge will be about 7,060 cubic feet a second, corresponding (with co-efficient 500) to that from a catchment basin of nearly 55 square miles. What the actual circumstances are should be ascertained, and any modifications which may be necessary duly provided for. The interior slope where not revetted should be protected by tank grass or nanel.

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

OOTACAMUND,
5th October 1875.

No. 152. ORDER THEREON, 11th October 1875, No. 2,900.

IRRIGATION, No. 15.

Account.

THE following estimate is sanctioned:—
South Arcot District.

	Revenue.
Owlurpett Tank	Rs. 1,350

2. In future, estimates for putting tanks in order should be prepared in accordance with the instructions on the subject contained in the Circulars of the Chief Engineer for Irrigation. The first essential is to see that the means of disposing of surplus are fully adequate, and this should be demonstrated by the information required to be exhibited in support of all estimates. In South Arcot as yet but little appears to have

Proceedings of the Madras Government, Public Works Department,
11th October 1875.

been done towards the effective treatment of irrigation works, but now that Major Mead has taken charge of the district it is hoped that every exertion will be made to deal with them in the proper way, and to remove all preventable causes of accidents.

(True Extract.)

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

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

Trd S. T. A. 10
Spare Copies

No 344 Blank N.

12/11/58.

Note by the Chief Engineer for Irrigation.

The following estimate has been submitted by the District Engineer, South Arcot.

No 144 - 27
Sept 1875

Enclosures 7.

Onuspett tank	Rupces 1,350
Adjacent area	acres 143
Assessment	Rupces 904
Average revenue	" 1003

Rupces 939 were expended in 1874-75

The tank is stated to have breached badly in May 1874 and again in the following October. The longitudinal section shows that the requirements of safety were not attended to either before the flood of May or after it. The area of the catchment basin of the tank has not been mentioned. It has 3 Calagulaks measuring together 331 feet, of which 270 are effective. The dam stones are to be removed and it is supposed that the m.w.l. will not exceed the level reached by the water last year, though of course in the absence of information as to the

drainage to be disposed of the inference is based upon no definite data. The crest of No. 3 escape should be lowered to the intended F.T.L., and all wing walls should be $6\frac{1}{2}$ feet above this. It is not clear why in the specification it is directed that a portion of No. 1 escape is to be left nearly 2 feet below F.T.L.

If irrigation water be taken off at this point, it would be better to provide sluice vents with shutters in the crest wall, otherwise the crest should be built up to the proper level. The band is to be $6\frac{1}{2}$ feet above F.T.L., $\frac{3}{8}$ in. being $3\frac{1}{2}$ feet above the latter the maximum flood discharge will be about 4000 C.F. a second corresponding (with coefficient 600) to that from a catchment ^{basin} of nearly 55 square miles. What the actual circumstances are should be ascertained and any modifications which may be necessary duly provided for. The interior slope

slope where not revetted should be protected by bank grass or manure.

Wm. L. Lusk, Esq.,
Chief Engineer for Irrigation

Ocala, Fla.
5th October 1895

To The Secretary to Government
O.F.M.

P. W. 1895 Sept.
No. 6512

From

The Chief Engr.
for Irrigation.

Dated 5th Octr. 1895.
Recd 13th " 1895.

E. Y. No. 1158

Notes on Estimates
for the repairs to Irrig.
works in the Pudukottam
and Thiruvallur Taluqs,
S. West Dist.

Nb. 2900. 11-13-95.

No 2900 S.H.B. Account
Pto: of the Madras Government
Under date the 11th Octr/95
Read the following:-

From the Ch. Engineer } (H. E. No. 1158) 5th Octr/95
for Irrigation }

The following esti-
mate is sanctioned
South Arcot District

Revenue
Oulurpett Tank. Rs. 1,300

In future, estimates for
putting tanks in order
should be prepared in
accordance with the
instructions on the
subject contained in
the Circulars of the
Chief Engineer for Irriga-
tion. The first essen-
tial is to see that the
means of disposing of

surplus are fully adequate,
 and this should be demon-
 -strated by the informa-
 -tion required to be ex-
 -hibited in support of
 all estimates. In South
 Arcot as yet but little
 appears to have been done
 towards the effective
 treatment of irrigation
 works, but now that
 Major Ince has taken
 charge of the District
 it is hoped that every
 exertion will be made
 to deal with them in
 the proper way, and to
 remove all preventable
 causes of accidents.

7/10

sc Inspd -
 21-10-75

1415/2 * with 1 Estimate
 * with 6 of Encl -
 D. S. South Arcot -
 Chng for Inspd -
 Cmt. P. W. *
 Colls of S. Arcot
 Rm. Inspd

5-
 5-
 16

surplus are fully adequate
 and this should be demon-
 -strated by the informa-
 -tion required to be ex-
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 Major Mead has taken
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 it is hoped that every
 exertion will be made
 to deal with them in
 the proper way, and to
 remove all preventable
 causes of accidents.

1875/2
 of 1875 Madras
 PUBLIC WORKS.
 To
 Major Mead
 District Engineer
 South Arcot
 Dated
 11/10/75
 1875 No. 2900

Nos. 151-152

Prohibit South Arcot
 District. The estimate
 of Rs 1350 for the repair
 of the —, sanctioned with
 remarks.

by 7/10

1875/2
 * with 1 Estimate
 * with 6 of District
 Calls of 1/10/75
 Rev. Oct 1/75