

- (1) Number of pages 4  
(2) Date of repair 19. 1. 1970  
(3) Initials of the Referencer \_\_\_\_\_

# MADRAS RECORD OFFICE

GOVERNMENT OF MADRAS

*Revenue* DEPARTMENT

|          |            |       |
|----------|------------|-------|
| G.O. No. | 1873       | Press |
| B.P. No. |            | Mis.  |
| Dated    | 8. 8. 1876 | 196   |

Not to be folded or roughly handled

*DL*

*Proceedings of the Madras Government, Public Works Department,  
20th July 1876. No. 1,838.*

Read the following :—

No. 92 W.

No. 333. *Note by the Chief Engineer for Irrigation.*

THE Officiating District Engineer, Bellary, forwards, with his letter marginally noted, estimate in connection with the  
No. 3,137, dated 15th March 1876. Allur tank situated in the Allur Taluq, Ghooty Range.

2. The nature of the work proposed for execution and the heads of account to which it is chargeable are as follow :—

*Ordinary Agricultural.*

|                                                                    | RS. |
|--------------------------------------------------------------------|-----|
| Constructing body and wing-walls to the existing dry stone escape. |     |
| Original Works ... ..                                              | 345 |
| Repairing the bund and dry stone apron. Repairs ... ..             | 120 |
| Total ... ..                                                       | 465 |

3. The following particulars of this Tank are recorded :—

|                                                   |                                |
|---------------------------------------------------|--------------------------------|
| Ayacut area. ... .. Acres 127                     | { 115 Government.<br>12 Inam.  |
| Assessment ... .. Rupees 731                      | { 693 Government.<br>38 Inam.  |
| Average revenue ... .. „ 344                      | { 344 Government.<br>... Inam. |
| Highest do. ... .. „ 448                          | { 448 Government.<br>... Inam. |
| Expenditure during the previous four years ... .. | Nil.                           |

The area of the catchment basin is 12 square miles ; the maximum flood-supply is calculated at 1,023 cubic feet per second, for discharging which, as surplus there is an escape 106 feet in length. The apron of this escape having given way for want of body and wing-walls to protect it, the estimate provides for these additions, as well as for repairing the apron and the bund.

It is noticed that the flood discharge above estimated is extremely small for the area of the basin, the coefficient with Ryves' formula being only 195. If, with the present means of disposing of surplus by the escape of 106 feet in length, the tank did not breach in 1851, this length may suffice, and as the bund is reported to be 7 feet above F. T. L., a much greater discharge can be disposed of with safety if the wings which are to be added be of sufficient height which may be taken to be 5 feet above F. T. L. The drawing appears to show a height of 3 feet only, which must therefore be increased to 5 feet, and a discharge corresponding to a coefficient of 360 may take place with safety. The left wing must be connected with ground 5 feet above F. T. L.

The capacity of the tank would seem to have been correctly calculated. The area is 961,046 square yards, and it is clear how the average depth was obtained. As the average cultivation is only 60 acres and the greatest about 80 acres probably the capacity is not more than 600,000 cubic yards, or  $\frac{2}{3}$  of the capacity stated.

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*Proceedings of the Madras Government, Public Works Department,  
20th July 1876. No. 1,838.*

The estimate is recommended for sanction.

Ootacamund,  
13th July 1876.

(Signed) A. DE C. SCOTT, Major, R.E.,  
Deputy Chief Engineer for Irrigation,  
for Chief Engineer for Irrigation.

To the Secretary to Government, Public Works Department.

No. 334.

ORDER THEREON, 20th July 1876, No. 1,838.

IRRIGATION, No. 34.

Account.

THE following estimate from the  
Ghoochy Range, forwarded by the District  
Engineer, Bellary, is sanctioned:—

Constructing body and wing-walls to the existing dry stone escape, and repairing the bund and  
dry stone apron of the Allur Tank—

| <i>Irrigation—Ordinary Agricultural.</i> |     |     |     |     |     |     |     |     |     | RS. |
|------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1. Original Works                        | ... | ... | ... | ... | ... | ... | ... | ... | ... | 345 |
| 2. Repairs                               | ... | ... | ... | ... | ... | ... | ... | ... | ... | 120 |
| Total                                    |     |     |     |     |     |     |     |     |     | 465 |

2. This sanction has been registered as No. 68 I. of 1876-77.

(True Extract.)

 Colonel,  
Offg. Under Secy. to Govt., P.W.D.

To the District Engineer, Bellary.

„ Collector of do.  
„ Chief Engineer for Irrigation.  
„ Examiner of Public Works  
„ Revenue Department.

Ed. T. O'Connor.

74 Spare Copies

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*No 3374*  
*Revenue 1875 Department*  
Govt. of 1876 Madras.  
PUBLIC WORKS.

To

THE DISTRICT ENGINEER,  
BELLARY,  
&c., &c., &c.

Dated July 20th.

Issued.

Recd. *5 Aug. 1876* Encl.

G. O., 20th July 1876, No. 1,838.

JULY.  
Nos. 333-334.

*Dis. Mm*

Atter Tank, Bellary District.—Estimate  
of Rs. 465 for repairs to the —, sanctioned.

*No 1875*  
*Communicated to the Dy. Eng. Bellary*

*276*

*8 August 1876*

New No. Sectt. I (3)-1—Old No. M.R.O. 1—10,006—10-6-63.

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