

(1) Number of pages 16
(2) Date of repair 30.7.40
(3) Initials of the Referencer 3

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

Irrigation Branch

G.O. No. *307 Irrigation* Press
Mis

Dated *10th May* 1881 .

Not to be folded or roughly handled

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GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

10th May 1881, No. 307 I.

Irrigation.

Read the following paper:—

No. 34. Endorsement of the Acting Chief Engineer for Irrigation, dated Ootacamund, 4th May 1881.

From Major H. R. MEAD, R.E., Superintending Engineer, Second Circle, to the Chief Engineer for Irrigation, dated Ootacamund, 21st April 1881, No. 81.

With reference to G.O., No. 406 I, dated 24th June 1880, I have the honor to forward the following estimates for the Red Hills Tank work. :—

2 Detailed estimates.
2 Abstract do.
2 Specifications.
1 Report.
1 Data.

	RS.
(1.) Constructing parapet wall.	2,384
(2.) Transverse drains, &c. ...	8,800

With regard to the first the work has been completed more than a year; the accounts however were only closed last October. The work is raising the original low parapet 2 feet, making it 3 feet high, $1\frac{1}{2}$ feet thick, for a distance of 5,546 feet in length. I regret that the instructions given in G.O., No. 374 I., dated 1st July 1879, have not been carried out, and the parapet has been made 3 feet high throughout; as far as I can judge an order was given by Major Clarke to a contractor to build the parapet that height, and Mr. Pringle allowed the work to go on, not being aware that a less height was ordered by Government for a portion of the work.

2. The second estimate allows for the work as proposed by you and ordered by Government; the cost, I am glad to say, is very much less than anticipated. It consists of—

50 Transverse drains.
1,000 Feet longitudinal drains.
2,000 „ of dry stone wall.

and some minor work in securing a proper outfall.

3. The transverse drains have been completed and about 1,000 feet of longitudinal drain; as yet it has not been found necessary to insert any dry stone wall of which 2,000 feet run is allowed for in the estimate, the longitudinal drain being found on examination of the interior of the bund to be all that is required. As this is the case, there will probably be a considerable saving in this item; and, as there will be a recovery in the sale of the planking, I have reduced the Executive Engineer's estimate Rs. 1,000 on account of that item.

4. I regret the great delay in the submission of these estimates which has been entirely due to the changes in the officers in charge of the division (there have been four changes). I think it right to add that Mr. Conductor Taylor, Supervisor in charge of the work, has carried out the work as far as it has gone with much zeal and intelligence, and, notwithstanding its novelty and difficulty in many ways, has done it well and successfully.

5. I hope soon to be able to forward the plans and estimates for the new screw gearing for the sluice shutters; the reason of delay is the same, viz., the constant changes.

IN G.O., No. 406 I., provisional sanction was given for carrying out the drains to improve the stability of the bund of the Red Hills Tank, Madras Water Works and Irrigation Extension Project at a cost approximately estimated at Rs. 14,500. The Superintending Engineer now submits an estimate, amounting to Rs. 8,800, for the work which has been, to a considerable extent, carried out, and explains that the cost of the work has been very much less than anticipated.

2. The Superintending Engineer also submits an estimate, amounting to Rs. 2,384, for raising the dry stone parapet on revetment to bund of tank, which work has been completed. There has been some misunderstanding as to the height the parapet was to be raised, and instead of its being for some distance raised 3 feet, it has been raised to a height of 3 feet throughout or 2 feet above the height of the old parapet. Further raising may be carried out afterwards, if desirable.

3. The drains have been laid down in accordance with the instructions given by the Chief Engineer for Irrigation in his Note printed with Government Order above referred to and appear to be acting well. Attention, however, should be given to keeping down the water level in the pool in rear of the bund to the prescribed height.

4. The Superintending Engineer promises to submit the estimate called for for new screw gearing to the sluice shutters shortly, and explains that the delay in submitting these estimates has been caused by the frequent changes in the officers in charge of the division.

(Signed) J. O. HASTED, Lieut.-Colonel, R.E.,
Ag. Chief Engineer, P.W.D.,
Irrigation Branch.

No. 35. ORDER THEREON, 10th May 1881, No. 307 I.

THE amounts of the estimates for constructing a parapet wall and transverse drains for the Red Hills Tank will be included in the revised estimate of the Madras Water Supply and Irrigation Extension Project, and the Chief Engineer for Irrigation will see that the latter is forwarded without delay for the sanction of the Government of India.

2. The inattention to the orders of Government as regards the height of the parapet wall is unsatisfactory, but may be traced to the unsettled state of the department.

3. The saving effected in the construction of the drains is satisfactory, and Government notice the Superintending Engineer's favorable comment on Mr. Conductor Taylor.

4. The Superintending Engineer, Second Circle, should submit the estimate for the screw gearing shutters as soon as possible.

(True Extract.)

Under Secy. to Govt., P.W.D.,
Irrigation Branch.

To the Superintending Engineer, Second Circle.
" Examiner of Public Works Accounts
" Chief Engineer for Irrigation.
" Revenue Department.
" Financial do.

Exd. W. J. Lewis.
Spare Copies

IRRIGATION.

Govt. of 1881 Madras.

PUBLIC WORKS.

To

THE SUPERINTENDING ENGINEER,
SECOND CIRCLE,
&c, &c, &c.

Dated May, 10th.

Issued

Recd.

Encl.

G. O., 10th May 1881, No. 307 L.

MAY.

Nos. 34-35.

Red Hills Tanks.—The estimates for works connected with the — to be included in the revised estimate of the Madras Water Supply and Irrigation Extension Project.

No. 81

Camp: Engg. Office 2nd
Camp Cochin 21 April 1881

From.

The Chief Engineer
2nd Circle

Of.

The Chief Engineer
for Irrigation

Shir

With reference to G. O. No. 406 of 24th
Enclosures. June 1880, I have the honor to forward the following
2 Set. Estimates, Estimates for the Red Hills tank work.
2 Set. — — — 1st Constructing parapet wall — Rs 2384
2 Specifications 2nd Transverse drains 8ft — — — Rs 8800.
1 Report &
1 Data

With regard to the first the work has been
Completed more than a year, the account however
was only closed last October. The work is raising
the original low parapet 2 ft making it 3 ft high
1 1/2 ft thick for a distance of 5346 ft in length. I
regret that the instructions given in G. O. No. 374 of
1st Aug. 1879 have not been carried out and the parapet
has been made 3 ft high throughout, as far as I
can judge an order was given by Major Clarke to
a Contractor to build the parapet that height and
Mr. Pringle allowed the work to go on not being aware
that a less height was ordered by Govt. for a portion of the
work.

2. The 2nd estimate allows for the work as proposed
by you and ordered by Govt. the cost I am glad to say
is very much less than anticipated. It consists

of —
50 Transverse drains
1000 ft Longitudinal drains
2000 ft of Dry Stone wall.

and

and some minor work in securing a proper
outfall -

3. The transverse drains have been completed
and about 1000 ft of longitudinal drain; as yet
it has not been found necessary to insert any
dry stone wall of which 2000 ft run is allowed
for in the estimate; the longitudinal drains
being found on examination of the interior of
the tunnel all that is required. In this is the
case, there will probably be a considerable saving
in this item and as there will be a recovery
in the sale of the planking, I have reduced the
Engr. Engineer's estimate Rs 1000 on account of
that item -

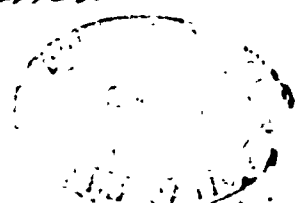
4. I regret the great delay in the submission
of these estimates which has been entirely due
to the changes in the Officers in charge of the Division
(there have been 4 changes). I think it right
to add that Mr. Conductor Taylor, Supervisor
in charge of the work has carried out the work
as far as it has gone with much zeal and
intelligence and notwithstanding its novelty
and difficulty in many ways, has done
it well & successfully.

5. I hope soon to be able to forward
the plans & estimates for the new sewerage
for the sluice shutters, the reason of delay is
the same; namely, the constant changes.

I have the honor to be
Dear Sir
Yours most obedt Servt
M. M. Major R. E.
Supt. Engineer, 2nd Div.

and some

From
The Saffordites,
Second circle.


-R-10-~~15~~
15. CN.
Mar 22/1

Dated 21st }
resp 23rd } April 1887

No. 81

Inc: 8.

Red Hills South: -

Forwarding
certain specimens in
connection with —.

E. I. Form No. 23.

Receipt No.

From

No.

Dated

Subject :-

— Forwards certain estimates connected with —

1. The following is a list of the
 2. The following is a list of the
 3. can be used for - I have not
 4. Sanctioning
 5. 11 CFI

ENCLOSURES. 8

From

" — There is no
" failure in the business

Orders and Proceedings in file.

[illegible]

From Supp. Eng. 2^d Circle, N^o 81 of 25th April 1887.

In G.O.M. 406. A provisional sanction was given for carrying out the drains to improve the stability of the bund of the Red Hills Tank, Madras Water Works and Irrigation Extension Project at a cost approximately estimated at Rs 14,500. The Superintending Engineer now submits an estimate amounting to Rupees 8,800 for the work which has been, to a considerable extent, carried out and explains that the cost of the work has been very much less than anticipated.

2--The Superintending Engineer also submits an estimate amounting to Rs. 2384 for, raising the dry stone parapet or revetment to land of Taux, which work has been completed. There has been some misunderstanding as to the height the parapet was to be raised, and instead of its being, for some distance, raised 3 feet, it has been raised to a height of 3 feet throughout or 2 feet above the height of the old parapet. Further

raising may be carried out afterwards if desirable. P.H.C. 2822

3. The drains have been laid down in accordance with the instructions given by the Chief Engineer for Irrigation in his Note printed with G.O. above referred to and appear to be acting well. Attention however should be given to keeping down the water level in the pool in rear of the bund to the prescribed height. Encls: 9

4. The Superintending Engineer promises to submit the estimate called for for new screw gearing to the sluice shutters shortly, and explains that the delay in submitting these estimates has been caused by the frequent changes in the officers in charge of the Division. Recd. 9 May/87

Distacament
4th May 1887

John Aitken

S. H. C. E.

Asst. Chief Engineer for Irrigation

The Joint Secretary to Govt
P.W.D. Irrigation Branch

Recd.
2.9.5.87

No. 307 D.

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 10th May 1887.

Read the following:—

From the Secy: Eng^r, 2nd Circle, { S.E. No. 81 dated 25th April 1887 }
" " Asst. Chief Eng^r for Irrigⁿ { " " " 4th May 1887 }

The amounts of the estimates for constructing a parapet wall and transverse drains for the Red Hills Tank will be included in the revised estimate of the Madras Water supply and Irrigation Extension project and the Chief Engineer for Irrigation will see that the latter is forwarded without delay for the sanction of the Govt. of India.
2. The inattention to the orders of Govt. as regards the height of the parapet wall is unsatisfactory but may be traced to the unsettled state of the Department.

3. The saving effected in
the construction of the
drains is satisfactory
and Government notice
the Superintending Engineer
favorable comment
on Mr. Conductor Taylor.

4. The Superintending
Engineer, 2nd Circle, should
submit the estimate
for the screw gearing
shutters as soon as
possible.

J. C.

4/5/81.

S. E. 2^d Circle of
Ex. B. W. 100 of
C. E. for with 8 guineas
Rev. Dept. 31/5
J. C. Dept. 7 J. C. W.
2. 4/5. 1. 21 1881

Q. 9-5-81.

11/7/29 BIII

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Govt. of (1881) Madras.

PUBLIC WORKS.

To

Dated

Issued

Recd.

Encl.

G. O. 10th May 1881, No. 3072

Nos.

Red Hills Tank The
estimates for works con-
nected with the — to be
included in the revised
estimate of the Madras
Water Supply and Irrigation
extension project.