

(1) Number of pages 12
(2) Date of repair _____
(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public Works **DEPARTMENT.**

G.O. No.	766	Press
363--		Mis.
Dated	12.3	1871.

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
14th March 1871.*

No. 363. Read the following letter from the Executive Engineer, Neilgherries, to the Chief Engineer for Irrigation, dated Ootacamund, 4th March 1871, No. 42 :—

At the request of the Superintending Engineer, in order to save time, I have the honour to forward to you direct a plan and section of the site of the proposed permanent escape to Mr. McIvor's bund near Nunganad, showing the extent of, and progress made in, silting out the trial cut for the escape up to the 23rd of last month.

2. The total quantity of earth silted out is 7,798 cubic yards. I regret I cannot obtain the expenditure incurred, as Mr. McIvor is not in this Presidency just now.

3. A large sheet of rock, seemingly rising towards the south and east, has been met with about 57½ feet above the proposed water line of 1870. An attempt to avoid it by widening eastward has been abandoned. A similar attempt is now being made westward, I fear with a like result.

4. This sheet of rock looks as if it was extensive. If so, and it cannot be flanked, the proposed site will probably have to be abandoned.

5. On the 19th December last, I addressed a letter (copy enclosed) to the Superintending Engineer on the same subject. It was accompanied by certain plans.

6. Since then I have not proceeded with the survey of the bund site, etc., for want of assistance.

No. 364. ORDER THEREON, 14th March 1871, No. 766.

IRRIGATION, No. 27.

THE Government will await the result of the attempt now being made to get round the rock, which has been

met with at the cutting through the saddle, on the line of the escape channel for Lake St. Lawrence.

(True Extract.)

Captain, R.E.,

Acting Joint-Secretary to Government.

To the Superintending Engineer, 7th Division.
,, Chief Engineer for Irrigation.

Exd. E. C. Shunker.

*Similar attempt is now being made
Westward*

No 42

Executive Engineer's Office
Cebu, 15th March 1871

From

The Executive Engineer
Kilgherries

To

The Chief Engineer
for Irrigation

Sir

At the request of the Superintending Engineer, in order to save time, I have the honor to forward to you, direct, a plan & section of the site of the proposed permanent escape to Mr. McEwen's Run near Singanai, showing the extent of and progress made in digging out the trial cut for the escape up to the 23rd of last month.

2. The total quantity of earth filled out is 7798 Cubic Yards. I regret, I cannot obtain the expenditure incurred as Mr. McEwen is not in the Presidency just now.

3. A large sheet of rock seemingly rising towards the south & east, has been met with about 57½ feet above the proposed water line of 1870. An attempt to avoid it by widening eastward has been abandoned. A similar attempt is now being made westward.

wardward, I fear with a like result
 4. This sheet of rock looks as if it
 was extraneous. If so, and it comes to
 be flanked the proposed site, will
 probably have to be abandoned.

5 On the 19th (December last), I
 addressed a letter (copy enclosed) to
 the Superintending Engineer on
 the same subject. It was accompanied
 by certain plans.

6. Since then I have not pro-
 ceeded with the survey of the
 Bund site &c., for want of
 assistance

I have the honor to be
 Sir
 Your most obedt. servt.
 J. H. Munn.

Executive Engineer

Forward a plan &
 section of the site of the
 proposed permanent
 escape to the Bund
 near Mangamad
 showing the extent of
 the proposed waste in
 digging out the trial cut
 for the escape up to
 the 100 ft. level of the
 Bund.

Letter 4-33 March 1911
 No. 9-33
 Bund site
 100 ft. 2-5-11
 Plans

To the Chief Engineer for Irrigation

100 ft. 1094
 From the Chief Engineer for Irrigation
 The Chief Engineer for Irrigation

From
 The Executive Engineer
 Kailashpur
 To
 Lieut. Col. W. P. Maxwell, S. C.
 Supg. Engineer 7th Division

Sir
 Under instruction received, semi-officially
 from the Chief Engineer for Irrigation, I beg to
 submit Plans and Sections of the site of the
 proposed permanent waste weir at the Lake
 St. Lawrence Bund showing the progress Mr.
 McDow has made in digging out the escape
 up to the 30th of November last.

I have also obtained from Mr. McDow the
 details of the expenditure incurred upon the
 same work. Comparing these with the quantity
 of work done, it appears, that if the whole ex-
 penditure be taken into account the rate of
 the excavation per Cubic Yard will be a little
 over two annas or 7.86 C. yards per 1 Rupee
 of the expenditure upon digging alone, he considers
 the rate will be 8 1/2 pies per Cubic Yard or 22 1/2
 C. yards per 1 Rupee. The total quantity of earth
 which will have to be excavated for the trial
 section (only) at the escape site down to the
 proposed water line of 1370 will probably be
 100,000 C. yards. This quantity at the above
 rates will value Rupees 12500 and Rs. 4427 res-
 pectively. But it is possible that as the trial
 section of the escapement is deepened, the
 direction (owing to the fall for the water becoming
 lessened).

The cost of excavating the proposed
 permanent escape to its full width will perhaps
 come to from 25,000 to 50,000 Rupees depending
 upon its width &c.

Upon receipt of Orders to recommence
the Lawrence Canyon buildings. It is
now directed Mr. Hyde to leave his
Survey of the Lake St. Lawrence and
to take charge of the former work.

Should the Government still
desire to have the information called for
in paras 5 and 6 of their L.C. No 2439
of the 10th October last it will be neces-
sary for a survey or to be sent to this
stage to complete. What now remains
to be done to the surveys, as I have no
one in command (except Mr. Hyde) who
is capable of undertaking the work.

About one half of the survey work
is completed. A few plans other than
those sent are being now prepared,
but there is still a good deal of out-
door work to be done.

A list of plans now sent is enclosed
I beg respectfully to request their return
when done with.

Macadam
19th Dec 1870

Shaver & Co
Sgt J. L. H. Morant R.E.
Executive Engineer

(True copy)

J. L. H. Morant

R.E.
Executive Engineer

List of plans forwarded to the Supg. Eng.
7th Division

Survey across Escape Saddle } ✓
of a long South Valley }
North and South section across Saddle }
Cross section of progress on Escape of }
Lake St. Lawrence }

Chain Survey of Progress on main } ✓
Escarpment of Lake St. Lawrence }
Longitudinal section along the proposed }
permanent Escape of Lake St. Lawrence }

Macadam }
19th Dec 1870 }
Sgt J. L. H. Morant R.E.
Executive Engineer

(True copy)

J. L. H. Morant

Executive Engineer

94.

Govt. of Madras.

PUBLIC WORKS.

To The Superintending Engineer
7th Division

Dated

Recd.

Encl. 5

G. O. 14th March No. 766.

Nos. 363-364

Mr. McEvoy's Band. Paper
orders on the letter from the Mr.
Engineer, Melcherris, for
making plan & section
of the like of the proposed ^{escape} ~~exit~~
Mr. McEvoy's Band showing
the proper mode in filling
at the trial cut for the
escape.