

(1) Number of pages _____

(2) Date of repair 20.2.8

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MADRAS RECORD OFFICE.

Government of Madras.

Public works DEPARTMENT.

G.O. No.	963	Press ~~Mis.~~
92-93		
Dated	6 - 4 -	1870.

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
6th April 1870.*

No. 92.

Read the following:—

No. 66.

*Memorandum on work executed in connection with the Perryaur Project up to 28th
February 1870.*

THE survey of the ground on the right bank and the more essential portions of the left bank as far as the Nellicumpetty stream has been completed.

2. The principal streams in the neighbourhood of the dam site have been examined and gauged with reference to their capacity for use in silting.

3. The examination of the depth of soil on both banks of the river in the neighbourhood of the present site has been fully carried out. Rock has been found near the right bank of the river at a level of from three to ten feet above datum, the surface of the ground being from thirty to forty-five feet. This disposes of the chief objection to the present site, but it is nevertheless believed that a better one may be found lower down the river.

4. Further report will be made upon this point hereafter; but it may be mentioned here that two sites in particular appear to afford considerable advantages over the present one—the first about a mile down the river, the other about 400 yards further. The latter is preferable as regards the bed of the river and quantity of earth required for the dam, but a very heavy expense would have to be incurred in order to obtain a detached escape; the other site is free to a great extent from this objection, and has the great advantage of being close to the only place at which a good supply of earth is known to exist at a tolerably high level. It is believed that nearly, if not quite, the whole of the dam might be executed by silting on this site. On the present one not more than 100 feet of height could possibly be so executed.

5. It is not clear what is the site alluded to in paragraph 6 of Major Mullins' Memorandum, No. 289, of the 22nd October last, as "about one-and-a-half miles

G. O., No. 3,763, of 26th November. west of the Perryaur camp." As Major Mullins appears to be under the impression that the point to which he and I descended the river on a raft is about two miles down, (it is really rather less than one mile,) it is presumed that the site referred to is some way above where we left the raft. The upper of the two sites referred to in the last paragraph is just at this point, and there certainly is no possible site between this and the present one.

* Rainfall, 0.96 inches.
Discharge, twenty-five million cubic yards.
Depth run off, 1.16 inches.

6. A table of rainfall and discharge of river is enclosed; the latter is a trifle more than Captain Ryves' estimate.*

7. Work on the hills has now been stopped for the season, and Lieutenants Greer and Christie have proceeded to Madura; I shall follow immediately. The health of the workmen and others has continued good to the last, but we have had very few coolies here during the last two months owing to want of funds.

8. Mr. McIver has visited the camp and been over the ground in the neighbourhood; but it was, of course, impossible for him to obtain more than a very superficial idea of the work to be done: indeed, it is not clear what information, beyond what we already possess, could be gained from this gentleman's visit.

mbh

Proceedings of the Madras Government, Public Works Department,
6th April 1870.

9. The surveys in the plains have made good progress under Lieutenant Coaker, who has completed the survey for the main channel on the north bank of the Vigay.

CAMP AT CUMBUM,
1st March 1870.

(Signed) J. PENNYCUICK, Lieutenant, R. E.,
Executive Engineer on Special Duty.

No. 2,935.

FORWARDED to the Chief Engineer for Irrigation. It now appears that there

One table.
,, diagram.

Mullins as one-and-a-half miles down the river (by measurement somewhat less than a mile) has been partly surveyed, but there has not been time to make a full examination. The Government will be sorry to hear that Lieutenant Pennycuick and Lieutenant Coaker have both been ill, and are quite unfit for out-door duty.

MADURA, (Signed)
16th March 1870.

H. L. PRENDERGAST, Captain, R. E.,
Officiating Superintending Engineer, 8th Division.

No. 93.

ORDER THEREON, 6th April 1870, No. 963.

IRRIGATION, No. 9.

THE Government learn with much regret that Lieutenants Pennycuick and Coaker have both been ill, and that they are still unfit for out-door duty.

2. It is observed that the examination of the ground near the Perryaur had not been quite completed at the end of February, after which date it would not be prudent for the party to remain on the hills: the work there remaining to be done should be finished as early as possible after the setting in of the south-west monsoon.

(True Extract.)

(Signed) J. MULLINS, Major, R.E.,
Acting Joint Secretary to Government.

To the Superintending Engineer, 8th Division

Exd. A. S. Rodgers.

Public Works Department

963
Proceedings of the Madras Government

Under date 6th April 1870

Read the following

From The Offg Suptg Engr. } H.E. No 2935. Dated 16th March 1870.
8th Div.

The Govt learn with much regret that Lieutenants Pennycuick and Coaker have both been ill, and that they are still unfit for out door duty. It is hoped that these Officers will soon be able to continue the investigations which still remain to be carried out.

2. It is observed that the examination of the ground near the Perryaur had

not

Received of

not been quite completed
at the end of February, after
which date it would not be
prudent for the party to
remain on the hills, the
work there remaining to be
done should be finished
as early as possible after
the setting in of the fourth
week of March.

Yours truly,
Wm. 24/3/70.

James M. Smith
President of the
Church of Jesus Christ of Latter-day Saints

at Salt Lake City
2nd of March 1870

To the President of the Church
+ the High Council
Salt Lake City
X - 11/4/70.

Cue 1138

Govt. of 1870 Madras.

PUBLIC WORKS.

To
The Superintending Eng.
8th Division

Dated

Recd.

Prod. 2

G O. 6 April 1870, No 963.

Nos. 72-73

Periyar Project Paper regarding
the endorsement of the Govt.
of the 8th Div. submitting a memo
which presented an endorsement
to the Periyar Project in the
Madras S. D. up to the 28th Feb 70.