

(1) Number of pages 11(2) Date of repair 2-5-37

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.**Government of Madras.***Public Works* **DEPARTMENT.**

G.O. No. <u>651</u>	Press
<u>120-121</u>	~~Mis.~~
Dated <u>6-3</u>	<u>1871</u>

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
6th March 1871.*

No 120. Read the following letter from the Executive Engineer on special duty, Madura District, to the Chief Engineer for Irrigation, dated Madura, 11th February 1871, No. 370 —

I HAVE the honour to submit the annexed report showing the progress made with the Perryaur investigations during January 1871.

1 Register of Rain-fall, etc, at the Perryaur camp
1 Diagram

2. The contour of the rock on the right bank of the Perryaur, adjacent to sites 2 and 3, has been carefully ascertained, and I feel confident the information collected will admit of the tunnels being aligned with great accuracy

3. The detailed examination of the 248-feet saddle has also been completed

4. Considerable progress has been made with the trial pits necessary to prove that the required soil for a bund at No. 2, or at No 3, site can be procured within a reasonable distance.

5. The Chinna Mullayaur and the stream that falls into the Perryaur about 3 miles south of the Mullayaur Tavalum were inspected to ascertain the volume of water available for the silting process; the discharge of the former, on the 2nd January, was about 5 cubic feet per second. On the 30th of this month the latter was discharging 23 cubic feet per second

6. The survey of the branch channels and the preparation of the fair plans for the works on the north of the Vigay have been steadily proceeded with

7. The register and diagram showing the rain-fall at the Perryaur camp and the discharge of the Perryaur during January 1871 are enclosed

8 The subjoined abstract shows the levelling and surveying done during the month under review —

Lineal miles of country surveyed	LEVELLING OPERATIONS	Number of permanent bench-marks fixed
	Aggregate length of longitudinal and transverse sections in miles	
79½	68	11

PERRYAUR PROJECT

Table of Rain-fall and Discharge of Perryaur during the month of January 1871

Date	Rain-fall at Perryaur Camp	Hour	Water level	DISCHARGE	
				Cubic feet per second	1,000 Cubic yards per day
JANUARY	INCHES		FEET		
1st	0 00	6 A. M	0 00	328	1,050
2nd	0 05	6 A M	0 10	308	986
3rd	0 02	6 A M	0 16	296	947
4th	0 00	6 A M.	0 10	308	986
5th	0 00	6 A M	0 20	289	929
6th	0 00	6 A M	0 30	269	861
7th	0 00	6 A M	0 35	259	829
8th	0 00	6 A M.	0 39	251	803

Proceedings of the Madras Government, Public Works Department,
6th March 1871.

Table of Rain-fall and Discharge of Perryaur, etc —(Continued)

Date	Rain-fall at Perryaur Camp	Hour.	Water level	DISCHARGE.	
				Cubic feet per second	1,000 Cubic yards per day.
JANUARY	INCHES		FEET		
9th	0 00	6 A M	0 40	249	797
10th	0 33	6 A M	0 42	245	784
11th ...	0 20	6 A M	0 50	451	
		12 NOON.	1 10	639	2,410
		6 P M	2 00	1,139	
		MID	1 52	855	
12th	0 89	6 A M	1 05	649	602
		9 A M	2 07	1,187	
		12 NOON	3 51	2,055	367
		3 P M	3 12	1,806	648
		6 P M	3 04	1,761	772
		9 P M	4 46	2,935	713
		MID.	6 91	5,549	939
		6 A M	4 72	3,201	1,697
13th	0 40	9 A M	4 50	2,972	3,590
		12 NOON.	4 40	2,872	1,235
		3 P M	3 97	2,431	1,169
		6 P M.	3 51	2,055	1,061
		9 P M	3 10	1,794	897
		MID.	5 20	3,668	770
		3 A M.	10 65	10,828	1,092
		6 A M	7 30	6,025	2,849
14th ...	0 12	9 A M	6 64	5,226	3,379
		12 NOON	5 20	3,668	2,250
		3 P M	4 46	2,935	1,779
		6 P M	3 79	2,270	1,321
		MID.	3 20	1,853	1,041
		6 A M	4 72	3,201	1,649
		9 A M	4 50	2,976	2,022
		12 NOON.	3 48	2,348	1,235
15th	0 17	3 P M	4 36	2,830	1,065
		6 P M	5 61	4,085	1,036
		9 P M	5 61	4,085	1,343
		MID	4 98	3,452	1,634
		6 A M	3 20	1,853	1,507
		12 NOON	2 60	1,514	2,122
		6 P M	2 40	1,398	1,347
		MID	2 26	1,312	1,165
16th	0 16	6 A M.	1 75	981	1,084
		6 P M.	1 50	845	
		6 A M.	1 10		2,922
		6 P M	1 10	669	
17th ...	0 00	MID	1 10	669	2,141
		3 A M	6 09	4,596	
		6 A M	5 29	3,760	1,053
		9 A M.	4 01	2,456	1,671
		12 NOON.	2 75	1,602	1,243
		6 P M	2 05	1,173	812
		MID.	3 20	1,856	1,110
		6 A M	2 75	1,602	1,212
18th	0 00	6 P M.	1 90	1,074	4,282
		6 A M	1 75	981	
		6 P M.	1 30	752	2,773
		6 A M	1 05	649	
19th ..	0 08	6 P M	0 82	561	1,936
		6 A M	0 75	536	
		6 P M	0 66	504	1,664
		6 A M	0 66		
20th	0 00	6 A M	2 75	1,602	
21st	0 00	6 P M.	1 90	1,074	
22nd	0 00	6 A M	1 75	981	
23rd	0 00	6 P M	1 30	752	
		6 A M	1 05	649	
		6 P M	0 82	561	
		6 A M	0 75	536	
		6 P M	0 66	504	

Proceedings of the Madras Government, Public Works Department,
6th March 1871.

Table of Rain-fall and Discharge of Perryaur, etc —(Concluded)

Date	Rain-fall at Perryaur Camp	Hour	Water level	DISCHARGE	
				Cubic feet per second	1,000 Cubic yards per day.
JANUARY	INCHES		FEET		
24th ..	0 00	6 A M	0 42	426	1,363
25th ..	0 26	6 A M	0 35	408	1,305
26th	0 02	MID	0 48	444	
		6 A M	1 75	981	570
		9 A M	3 30	1,915	579
		12 NOON.	3 40	1,978	779
		6 P M	2 20	1,277	1,302
		MID	2 00	1,139	965
		6 A M	4 15	2,512	1,460
		9 A M	3 79	2,270	956
27th ..	0 00	12 NOON.	2 75	1,602	774
		6 P M	2 40	1,398	1,200
		MID	2 20	1,277	1,070
		6 A M	1 75	981	
28th	0 00	6 A M	1 52	855	2,938
		6 P M.	1 05	649	
		6 A M	0 82	561	1,936
		6 P M.	0 69	515	
29th ..	0 00	6 A M	0 50	451	1,648
30th	0 00	6 A M.			1,443
31st	0 00				
Total	2 70	..	...		99,861

Depth run off from Catchment Basin of 250 square miles = 4 64 inches

Mean Discharge { 3,221,322 Cubic yards per day.
134,21 " " per hour
1,006 " " feet per second

Discharge of Perryaur in January 1871 ... Cubic yards.
Do of do 1870 ... 99,861,000
... 56,184,000

Difference—Excess in January 1871 43,677,000

(Signed) R SMITH,
Executive Engr. on special duty.

MADURA,
11th February 1871.

No. 121. ORDER THEREON, 6th March 1871, No. 651.

IRRIGATION, No. 5

(True Extract.)

ORDERED to be recorded.

Major, R.E.,

Joint-Secretary to Government.

To the Chief Engineer for Irrigation
To Mr R Smith.
To the Superintending Engineer, 8th Division.
Exd E. C. Shunker

30
Govt of 1871 Madras.

PUBLIC WORKS.

To

THE CHIEF ENGINEER FOR IRRIGATION

&c. &c. &c.

Det. 1. 1871

Det. 1.

Det. 1.

G. O. No. 1871, No. 651

MARCH

Nos. 120-121

Perrypour Project -- Report submitted by the Executive Engineer on special duty. Madura, of the progress made with the investigation of the Perrypour project during January 1871, recorded.

Enclosure No. 1 was a Letter from the Executive Engineer on special duty Madura District dated 11th February 1871

N. 390

To the Chief Engineer for Irrigation

Madras

11th February 1871

11th February 1871

11th February 1871

11th February 1871

11th February 1871

11th February 1871

11th February 1871

11th February 1871

①
Roll of Receipts and Discharge of Verrucas during the month of January 1844

100 lbs. was off from each animal. Amount of food required = 322.1322 lbs. per day
 134.322 lbs. per hour
 1,000 lbs. per second
 100 lbs. per second

2. Forward to Engin Office } (confd)
 2. Forward to Wm. B. B. } (confd)
 1871

July - 1890	58,184.00
Defidend - 20000 in January 1891	23,679.00

Opmithe
E. maculosa Engerm. (see Spores)
on wheat in 1890.

N: 370 ... Special Executive Engineer's Office
Madura 11th February 1871

To,

H. Smith Esquire
Executive Engineer, On Special duty
Madura District

From,

Major J. Mullins R.E.
Chief Engineer, for Irrigation
Madras

Enclosures 2
Request of Raimbault &
not de l'ingénieur
Diagram

Sir, I have the honor to submit the
annexed Report showing the progress made
with the Perrisaur investigations, during
January 1871.

2. The Contour of the rock, on the
right bank of the Perrisaur, adjacent to
sites 2 and 3, has been carefully ascertained
and I feel confident the information collected
will admit of the Tunnel being aligned
with great accuracy.

3. The detailed examination of
the 248' saddle has also been completed.

4. Considerable progress has been made with the trial ^{very} necessary to prove that the required soil for a bund at N^o 2, or at N^o 3, can be procured within a reasonable distance.

5. The Chinna Mullayaur and the stream that falls into the ^{is} Periyaur, about 3 miles South of the Mullayaur Gavallum, were inspected to ascertain the volume of water available for the silting process; the discharge of the former, on the 2^d of January, was about 5 Cubic feet per second. On the 30th of this month the latter was discharging 23 Cubic feet per second. —

6. The survey of the Branch Channels and the preparations of the ^{is} fair plans for the works on the North of the Vigar, have been steadily proceeded with.

7. The register and diagrams showing the rainfall at the Periyaur Camp

N^o 5.

Proffert for March Public work
31. Jan 1871
Received 2. March 71

The
Letter to Fort St. George

N^o 2.

Referring orders
on the Petition of J.
Ponniah Moudally, late
a Taluk Officer in
the Tanjore District.

N^o 662. 6. March 71

Camp, and the discharge of the Surveyors,
during January 1871, are enclosed. 6
8. The subjoined abstract shows the
Levelling and Surveying done during the
month under review:-

Direct miles of Country surveyed	Levelling Operations	Number of permanent bench marks fixed.
	Aggregate length of longitudinal and transversal sections in miles	
49½	68	11

I have the honor to be
Sir,
Your Most Obedient Servant
J. Smith

Executive Engineer
On Special duty
Madura Dist.

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Order to be received

For the same purpose

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1871 1871 1871

1871 1871 1871

67: 14/11/1871. 214

Govt. of 1871 Madras.

PUBLIC WORKS.

Further Report of the Chief Engineer for
Irrigation
29-5-71

Recd

G O 6 March 1871. No 1857.

1209121

Perrypur Project Report,
submitted by the Engineer
Special Duty, Madras,
the progress made with
the investigation of the
Perrypur Project during
Jan'y 71, recorded.

Remuneration
No 651-6 Madras
With an order