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MADRAS RECORD OFFICE.

Government of Madras.

DEPARTMENT.

G.O. No. 3090 Press / Mis.

116-17

Dated 11 12 1811.

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department, 7th December 1871.

No. 116. Read the following letter from the Executive Engineer on special duty, Madura District, to the Acting Chief Engineer for Irrigation, dated Madura, 9th November 1871, No. 265:—

I HAVE the honour to submit the annexed Report showing the progress made with the Perryaur investigations during the past month.

1 Diagram.
1 Table of Rainfall.

2. The contour survey of the country, in the neighbourhood of the Goodaloor Tavalum, has been steadily proceeded with; but the work on the left bank of the river has been necessarily slow and costly, in consequence of the greater portion of the country there being covered with dense and almost impenetrable forest.

3. The register of the rainfall at the Perryaur camps and the diagram showing the discharge of the river, etc., accompany this report.

PERRYAUR PROJECT.

Table of Rainfall and Discharge of Perryaur during the month of October 1871.

Dates.	Rainfall at		Hours.	Water level in feet.	Discharge.	
	Perryaur Camp.	Yellominchin Camp.			Cubic feet per second.	1,000 Cubic yards per day.
	Inches.	Inches.				
1st October ...	0·10	0·30	6 A. M.	0·25	389	1,266
			6 P. M.	0·33	402	
2nd ,, ...	0·08	0·10	6 A. M.	0·24	382	1,214
			6 P. M.	0·22	377	
3rd ,, ...	0·05	0·03	6 A. M.	0·18	368	1,170
			6 P. M.	0·16	363	
4th ,, ...	0·00	0·00	6 A. M.	0 30	396	1,267
			6 P. M.	0 30	396	
5th ,, ...	0·00	0·00	6 A. M.	0·20	372	1,184
			6 P. M.	0·18	368	
6th ,, ...	0·00	0·00	6 A. M.	0·13	357	1,074
			6 P. M.	0·07	314	
7th ,, ...	0·00	0·00	6 A. M.	0·00	328	1,018
			6 P. M.	—0·10	308	
8th ,, ...	0·00	0·00	6 A. M.	—0·12	304	960
			6 P. M.	—0 16	296	
9th ,, ...	0·50	0·25	6 A. M.	—0·20	289	1,501
			6 P. M.	1·05	649	
10th ,, ...	0·00	0·00	6 A. M.	0·21	374	1,194
			6 P. M.	0·20	372	
11th ,, ...	0·00	0 52	6 A. M.	0·12	353	1,090
			6 P. M.	0·00	328	
12th ,, ...	1·31	0·00	6 A. M.	—0·13	302	3,548
			6 P. M.	3·66	2,160	
			12 Mid.	2·00	1,139	
13th ,, ...	0·00	0·00	6 A. M.	3 45	2,009	4,962
			12 Noon.	2·32	1,349	
			6 P. M.	2·75	1,602	
			12 Mid.	2·32	1,349	
14th ,, ...	0·40	0·20	6 A. M.	1·70	951	2,605
			6 P. M.	1·12	677	
15th ,, ...	0·07	0·30	6 A. M.	3·30	1,915	4,432
			6 P. M.	1·52	855	

Table of Rainfall and Discharge of Perryaur during the month of Oct. 1871.—(Contd.)

Dates.	Rainfall at		Hours.	Water level in feet.	Discharge.	
	Perryaur Camp.	Yellomin-chin Camp.			Cubic feet per second.	1,000 Cubic yards per day.
	Inches.	Inches.				
16th October ...	0·24	0 32	6 A. M.	1 33	765	4,092
			6 P. M.	2 63	1,541	
17th ,, ...	0 13	0 45	12 Mid.	4 61	2,450	6,110
			6 A. M.	3 20	1,853	
18th ,, ...	0·15	0·32	6 P. M.	3 38	1,961	5,147
			6 A. M.	3 45	2,020	
19th ,, ...	0·22	0 10	6 P. M.	2 10	1,208	4,473
			6 A. M.	2·75	1,602	
20th ,, ...	0 04	0 02	6 P. M.	2 08	1,194	4,909
			6 A. M.	3 20	1,853	
21st ,, ...	0 64	0 72	6 P. M.	2 11	1,215	3,443
			6 A. M.	1·70	951	
22nd ,, ...	0 00	0 00	6 P. M.	2 09	1,201	4,875
			6 A. M.	3 20	1,853	
23rd ,, ...	0 00	0·17	6 P. M.	2 08	1,194	3,520
			6 A. M.	2 25	1,307	
24th ,, ...	0 00	0 00	6 P. M.	1 69	823	2,539
			6 A. M.	1·50	845	
25th ,, ...	0 00	0 00	6 P. M.	1 28	742	2,013
			6 A. M.	1·45	849	
26th ,, ...	0 02	0·17	6 P. M.	0 93	689	1,715
			6 A. M.	0 75	536	
27th ,, ...	0 00	0 00	6 P. M.	0 75	536	1,531
			6 A. M.	0 62	490	
28th ,, ...	0·00	0 00	6 P. M.	0 55	467	1,379
			6 A. M.	0 45	435	
29th ,, ...	0 00	0 00	6 P. M.	0 42	426	1,270
			6 A. M.	0 35	408	
30th ,, ...	0 00	0 00	6 P. M.	0 24	386	1,178
			6 A. M.	0 18	268	
31st ,, ...	0 00	0 00	6 P. M.	0 18	368	1,109
			6 A. M.	0 12	354	
			6 P. M	0 05	339	
Total...	4·35	3·97	.....	.....	.....	77,787

Depth run off from Catchment Basin of 250 square miles — 3 61 inches

Mean Discharge ... ... { 2,500,238 Cubic yards per day.
104,552 ,, ,, per hour.
784 ,, feet per second.

		Cubic yards.
Discharge of Perryaur in October 1871	... ...	77,787,000
Do. of do. in October 1869	... ...	70,829,000
Difference—Excess in October 1871...		6,958,000

MADURA,
9th November 1871.

(Signed) R. SMITH,
Executive Engineer on special duty, Madura District.

No. 117. ORDER THEREON, 7th December 1871, No. 3,090.

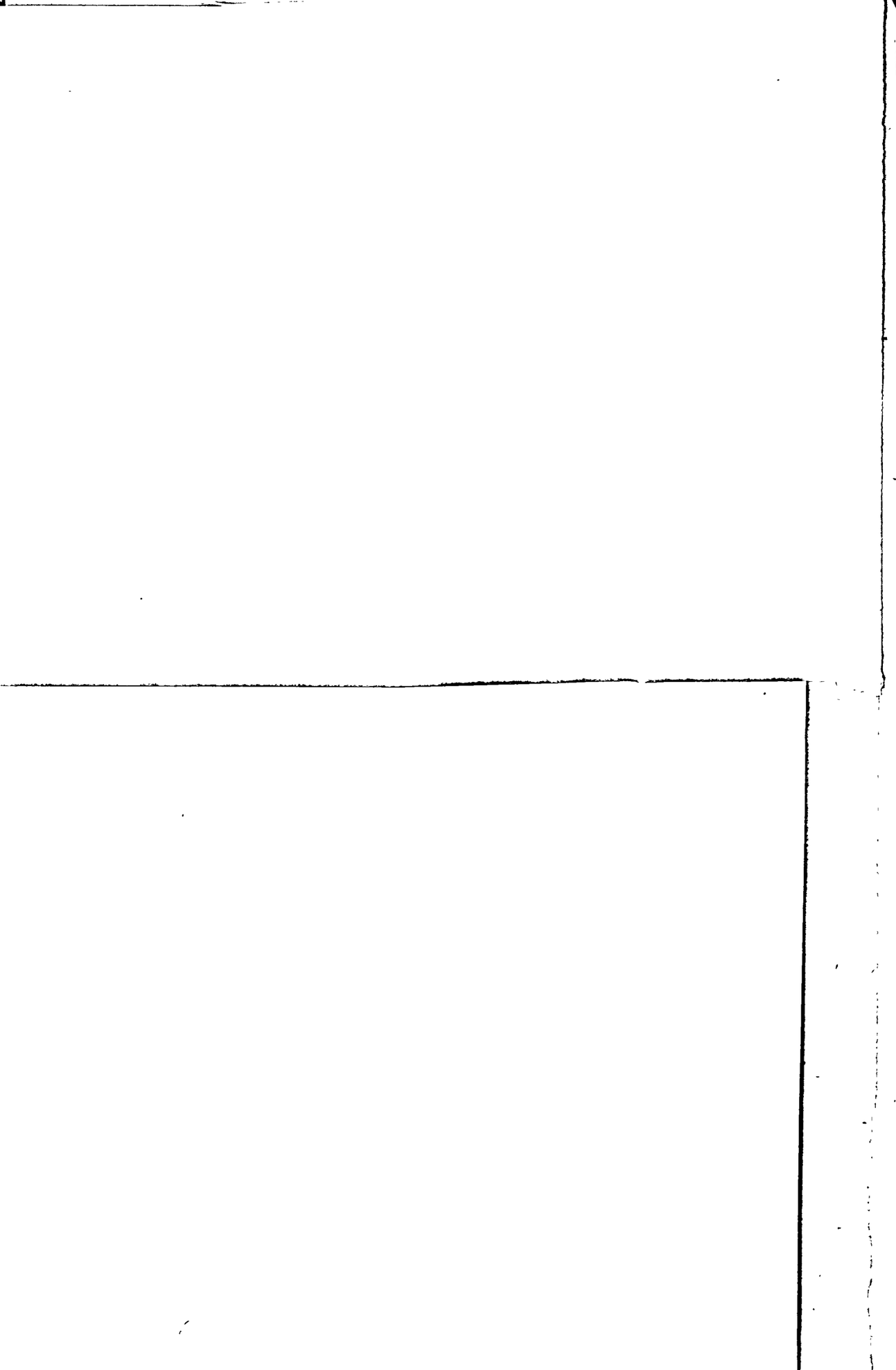
IRRIGATION, No. 3.

ORDERED to be recorded.

(True Extract.)

Colonel, R.E.,
Secretary to Government.

To the Chief Engineer for Irrigation, with Diagram.
,, R. Smith, Esq.



Perryaur Project

Table of Rainfall and discharge of Perryaur during the month of October 1871.

Dates	Rainfall at Perryaur Camp. Inches	Rainfall at Yellominchin Camp. Inches	Hours	Water level in feet	Discharge Cubic feet per Second	Discharge 1000 Cubic yards per day.
October 1	0.10	0.30	6 a m.	0.25	389	1266
			6 p m	0.33	402	
" 2	0.08	0.10	6 a m	0.24	382	1214
			6 p m	0.22	377	
" 3	0.05	0.03	6 a m	0.18	368	1170
			6 p m	0.16	363	
" 4	0.00	0.00	6 a m	0.30	396	1267
			6 p m	0.30	396	
" 5	0.00	0.00	6 a m	0.20	372	1184
			6 p m	0.18	368	
" 6	0.00	0.00	6 a m	0.13	357	1074
			6 p m	0.07	314	
" 7	0.00	0.00	6 a m	0.60	328	1018
			6 p m	− 0.10	308	
" 8	0.00	0.00	6 a m	− 0.12	304	960.
			6 p m	− 0.16	296	
" 9	0.50	0.25	6 a m	− 0.20	289	1501
			6 p m	− 1.05	649	
" 10	0.00	0.00	6 a m	0.21	374	1154
			6 p m	0.20	372	
" 11	0.00	0.52	6 a m	0.12	353	1090
			6 p m	0.00	328	
" 12	1.31	0.00	6 a m	− 0.13	302	3548
			6 p m	3.66	2160	
			12 Mid	2.00	1139	
" 13	0.00	0.00	6 a m	3.45	2009	4962.
			12 Noon	2.32	1349	
			6 p m	2.75	1602	
			12 Mid	2.32	1349	
" 14	0.40	0.20	6 a m	1.70	957	2605
			6 p m	1.12	677	
" 15	0.07	0.30	6 a m	3.30	1915	4432
			6 p. m	1.52	855	
" 16	0.24	0.32	6 a m	1.33	765	4092
			6 p m	2.65	1541	
			12 Mid	4.01	2456	
17th	0.13	0.45	6 a m	3.20.	1853	6110
			6 p m	3.38	1966	
18	0.15	0.32	6 a m	3.45	2009	5147
			6 p m	2.10	1208	
19	0.22	0.10	6 a m	2.75	1602	4473
			6 p m	2.08	1194	
20	0.04	0.02	6 a m	3.20	1853	4909
			6 p m	2.11	1215	
21	0.64	0.72	6 a m	1.70	951	3443
			6 p m	2.09	1201	
22	0.00	0.00	6 a m	3.20	1853	4875
			6 p m	2.08	1194	
23	0.00	0.17	6 a m	2.25	1307	3520
			6 p m	1.60	893	
24	0.00	0.00	6 a m	1.50	845	2539
			6 p m	1.28	742	
25	0.00	0.00	6 a m	1.05	649	2013
			6 p m	0.95	609	
26	0.02	0.17	6 a m	0.75	536	1715
			6 p m	0.75	536	
27	0.00	0.00	6 a m	0.62	490	1531
			6 p m	0.55	467	
28	0.00	0.00	6 a m	0.45	435	1378
			6 p m	0.42	426	
29	0.00	0.00	6 a m	0.35	408	1270
			6 p m	0.24	386	
30th	0.00	0.00	6 a m	0.18	368	1178
			6 p m	0.18	368	
31st	0.00	0.00	6 a m	0.12	354	1109
			6 p m	0.05	339	
Total	4.35	3.97				77,787

Depth run off from Catchment basin of 250 Square miles = 3.61 inches.

Mean Discharge. — 2,509,258 Cubic yards per day
104.552 " " per hour
784 " feet per Second.

Discharge of Perryaur in October 1871 — 77,787,000 Cubic yards.
— D° — of — D° — in October 1869. — 70,829,000.
Difference — Excess in October 1871 — 6,958,000

Compared
Spl Ex: Engrs Office
Madras 8th December 1871

Executive Engineer
On Spl duty: Madura Dist

No. 265 Special Executive Engineer's Office.
Madura 9th November 1871

From,

The Executive Engineer
On Special duty
Madura District

To,

The Acting Chief Engineer
for Irrigations
Fort Saint George

Sir,

I have the honor to submit the annexed report showing the progress made with the Kerryaur investigations during the past months.

2. The Contour Survey of the Country in the neighbourhood of the Poodaloor Eravalum has been steadily proceeded with but the work on the left bank of the river has been necessarily slow, and costly, in consequence of the greater portion of the

Country

Country, there, being, Covered with dense,
and almost impenetrable, forest. —

3. The Register of the rain-fall,
at the Perryaur Camps, and the diagram,
Showing the discharge of the River, etc,
accompany this report. —

I have the honor to be
Sir,
Your Most Obedient Servant
Smith
Executive Engineer
On Special duty
Madura Dist.t

P. W. 1871 Report

No. 265

From, Dt. No. 730 of 5466.

The Executive Engineer
On Special duty
Madura Distt

To

The Actg Chief Engr
for Irrigations
Madras.

Dated. 9th
Recd fd 9th } November 1871
Received
Read: 16th

1-E-Rd vn

Cen: 2.

Submits the report showing the progress made with the Periyaur investigations during the past Month

No 3090 of 7 Dec/71
With an order

Refd to the records.

3090

Chief Engr for Irrigation Department
R. Smith Esqr

Rec'd 12 Dec 71

622. 1871. R. 27.

Rs 5466 :-

Govt. of 1871 Madras.

PUBLIC WORKS.

To The Chief Engineer for Irrigation

Dated.

Rec'd. And /

G. O. 7 Dec 1871 No 3015

Nos 116 & 117

Pennaur Project &c:

Engineer's report of the Surveys made with the investigations of the Pennaur Project &c. Letter & Records.