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*Proceedings of the Madras Government, Public Works Department,
6th March 1872.*

No. 102. Read the following letter from the Executive Engineer on special duty, Madura District, to the Acting Chief Engineer for Irrigation, dated Madura, 13th February 1872, No. 374 :—

I HAVE the honour to submit the subjoined report of the progress made with the Perryaur investigations in January 1872.

2. The contour survey of the country to ascertain the capacity of the proposed reservoir at different levels has been completed.

3. The necessary trial pits at the escape saddle have been sunk, and those required to determine the alignment of the escape tunnel and the areas of the earth quarries are well advanced and will be finished in a few days.

4. The diagram and register, showing the rainfall at the Perryaur camps and the discharge of the Perryaur during the past month, are enclosed.

PERRYAUR PROJECT.

Table of rainfall and discharge of Perryaur during January 1872.

Date.	RAINFALL AT		Hours.	Water level.	DISCHARGE.	
	Perryaur Camp.	Kythury Camp.			Cubic feet per second	1,000 Cubic yards per day.
	INCHES.	INCHES.		FEET.		
1st January...	0.00	0.00	6 A. M.	0.30	396	1,267
2nd "	0.00	0.00	6 A. M.	0.20	372	1,190
3rd "	0.00	0.00	6 A. M.	0.12	354	1,133
4th "	0.00	0.00	6 A. M.	0.08	345	1,104
5th "	0.00	0.00	6 A. M.	0.05	339	1,085
6th "	0.00	0.00	6 A. M.	—0.04	320	1,024
7th "	0.00	0.00	6 A. M.	—0.08	312	998
8th "	0.00	0.00	6 A. M.	—0.12	304	973
9th "	0.00	0.00	6 A. M.	—0.16	296	947
10th "	0.00	0.00	6 A. M.	—0.16	296	947
11th "	0.00	0.00	6 A. M.	—0.20	289	925
12th "	0.00	0.00	6 A. M.	—0.23	283	905
13th "	0.00	0.00	6 A. M.	—0.25	279	893
14th "	0.00	0.00	6 A. M.	—0.25	279	893
15th "	0.00	0.00	6 A. M.	—0.30	269	861
16th "	0.00	0.00	6 A. M.	—0.33	269	861
17th "	0.00	0.00	6 A. M.	—0.35	263	842
18th "	0.00	0.00	6 A. M.	—0.38	259	829
19th "	0.00	0.00	6 A. M.	—0.38	253	809
20th "	0.00	0.00	6 A. M.	—0.41	253	809
21st "	0.00	0.00	6 A. M.	—0.42	247	790
22nd "	0.00	0.00	6 A. M.	—0.42	245	784
23rd "	0.00	0.00	6 A. M.	—0.42	245	784
24th "	0.00	0.00	6 A. M.	—0.47	245	784
25th "	0.00	0.00	6 A. M.	—0.48	235	752
26th "	0.00	0.00	6 A. M.	—0.49	233	746
27th "	0.00	0.00	6 A. M.	—0.49	231	739
28th "	0.00	0.00	6 A. M.	—0.50	231	739
29th "	0.00	0.00	6 A. M.	—0.52	229	734
30th "	0.00	0.00	6 A. M.	—0.47	225	720
31st "	0.00	0.00	6 A. M.		235	752
Total...	0.00	0.00				27,619

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Depth run off from Catchment Basin of 250 square miles = 1.28 inches.

Mean Discharge ... { 890,935 Cubic yards per diem.
37,122 " " " hour.
278 " " " feet per second.

	Cubic yards.
Discharge of Perryaur during January 1870 ...	56,184,000
Do. of do. during do. 1872 ...	27,619,000

Difference—Excess in 1870 ... 28,565,000

MADURA,
13th January 1872.

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

No. 103. ORDER THEREON, 6th March 1872, No. 603.

IRRIGATION, No. 6.

ORDERED to be recorded.

(True Extract.)

Colonel, R.E.,
Secretary to Government.

MEMORANDUM.

REQUESTED for reference the undermentioned papers

*Papers for discharge
in Perryaur
for 1872*

OFFICE OF THE CHIEF
ENGR. FOR IRRIGATION,
P. W. Department,

14-3-1872.

The Registrar of the

J. W. Hamilton
Head Clerk.

M. C. ...

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Depth run off from Catchment basins of 250 Square miles — = 1.28 Inches.

890, 935 Cubic yards per diem.
37, 122 — " — " — hour
278 — " — feet per second

Smith

Occurrence Engineers

Madura 13 January
1842.

Colind & Co. (Incorporated)
" C. L.



No 374
 Special Circular Engineer's Office
 Madras 13th February 1872
 To,

The Executive Engineer
 Madras District

And The Acting Chief Engineer
 for Irrigation
 West and Central Provinces

I have the honor to submit the
 subjoined report of the progress made,
 with the various investigations, up to
 January 1872.

1. The contour survey of the
 country, to ascertain the capacity of
 the proposed Reservoir, at different levels,
 has been completed.

2. The necessary trial pits, at the
 escape saddle, have been sunk, and those
 required

Enclosed in 1, are 2 letters
 from the Executive Engineer
 Madras District, dated 12th February 1872,
 and 11th March 1872.
 Also, 11th March 1872, Chief Engineer
 for Irrigation
 West and Central Provinces
 P. H. 859/72
 Original copy
 Office of the Executive Engineer
 Madras District
 during absence of P. H. 859/72

required to determine the alignment of the
Escape Tunnel, and the areas of the earth
quarries, are well advanced and will
be finished in a few days.

4. The Diagram and Register
showing the rain-fall at the Perryau's
Camp, and the discharge of the Perryau's
during the past month, are enclosed.

I have the honor to be

Your Most Obedient Servant
Smith

Executive Engineer
On special duty
Madura Dist.

P. W. 1872 Depart.

N: 3/4

12/3859

The Executive Engineer

On special duty

Madura Dist.

W. C.

Chief Eng.

for Irrigation

Fort. Saint George

Q. and 13th

Q. and 13th

Received 16th

Recd 19th

1872

February 1872

Enclosures 2.

Submits the report of the

progress made with the

Perryau investigation

January 1872.

No 608 of 1872

with an order

Ordered to be recorded

1872

1872

So 5 Ch. has for investigation
3 Mr R. Smith 1872

Recd 7/3/72