Date taken out.	For what purpose.			Initials of clerk taking the paper or of attender.	Date returned.	Initials of attender.
	Department.	C. No.	Year.			

[L. & M. 2,000—13-6-98.]

Local & Munl. (189) Department.

MISCELLANEOUS.

G.O., No. 1366m

DATED 2·8·98

DESPATCHED

INDEXED.

[Despatch Abstract.]

Sanitation. Forwarding to the Sanitary Commissioner for remarks the report of Professor Hankin on the Bacteriological analysis of the water of Odiaman

BACK PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

Note for the Secretary.

Mr. Hankin was to have gone on leave on or about the 15 July

Levy
31/7/98

× Put up for signature when I send

Flag C in Limited file

Bacteriological analyses of sample of water — Ootacamund.

[L. & M.]
300-16-2-98.

LOCAL AND MUNICIPAL DEPARTMENT.

Papers to be read in Proceedings:—

Again G.O., No. dated 189 ,

Again G.O., No. dated 189 ,

Current No. 1096-P of 1898, dated 21st July 98, from the Civil Surgeon Ootacamund

" " " 189 , " , "

" " " 189 , " , "

Misc No

ORDER 1366 Fin. Dept 12-8-1898

The letter read above will be forwarded to the Sanitary Commissioner for remarks.

2. In view of the indefinite nature of Professor Hankin's report, the Government considers that it would be as well to have other waters in the town tested. The Civil Surgeon of Ootacamund is accordingly requested to send to Professor Hankin for analysis and report, samples of water from other sources of supply, such as the well in the Shedden House, which supplies some fifteen to twenty houses, and the well from the water of which Messrs Smith and Company manufacture large quantities of soda wa

(From Orders)

To The Sanitary Commissioner
" Civil Surgeon, Ootacamund.
Dept 7-8-1898.

2/7/98

Local & Munl. (1898) Department.

CURRENT No. 1096 P.

From The Civil Surgeon, Cotacamund

No. 359

Dated 21-7-1898

Received 21-7-1898

Registered 21-7-1898

Enclosures

Spare copies.

1 H.M 3. Hon. Mr. Arundel.
2 H.E. The Governor.
for Orders. The paper may be forwarded to the Sanitary Comsr for remarks.

WL 23/7

Ent 21/7 Yes - The supply is very indefinite, & my remk - Would be as well to have other waters sent - For instance, the well at my premises supplies some 15 to 20 houses & Smith & Co have a well from the water of which great quantities of soda water are made

BS
23/7/98

SUBJECT.

Forwarding for information the report on the bacteriological analysis of samples of water sent to Professor Hankin

1 enclosure.

There was the substance of this report in the Nilgiri News and other local papers. How did it get there?

H.H 24.7.98

H.H 25.7.98

BACK PAPERS.

G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.

No. 383 B

CHEMICAL EXAMINER'S
FORM No. 6.

E.H. HANKIN Esq. M.A.

FROM

THE GOVERNMENT ANALYST,
N.-W. PROVINCES AND OUDH,

To SURGEON MAJOR C.H. THOMSON M.B

CIVIL SURGEON GOTAMUND

Dated Agra, the 13th July 1898.

SIR,

I HAVE the honor to acknowledge the receipt of the undermentioned article

Specimens of water as on reverse

the despatch of which for analysis was intimated in your No. 310, dated 28th June

_____, and to report (on the reverse) the result of the analysis.

I have the honor to be,

Sir,

Your most obedient servant,

Government Analyst,
N.-W. Provinces and Oudh.

Mis. Form No. 168.
D—2,495 of 1896.
P. No. 2043—14-9-96.
G.B.P.N.A.

REPORT OF ANALYSIS.

No.	Copy of label.	Microbes. per c. c.	Microbe possibly identical with that of cholera microbe.		Microbe possibly identical with that of enteric microbe.		Remarks.
			Detected.	Reaction with Pfeiffer's serum.	Detected.	Reaction with Pfeiffer's serum.	
I	Marlimund Reservoir sample taken close to outlet pipe						
II	" " taken from opposite end of reservoir						
III	Dodabetta Reservoir, sample taken close to outlet pipe						
IV	" " " from opposite side						
V	Dodabetta Lower Reservoir from close to outlet pipe						
VI	Dodabetta Pipe water						
VII	Marlimund Pipe water (arrived broken).						
VIII	Muers Stream						
IX	Lessenburg's Stream						
X	Sir Frederick Price's Well						

Microbes that resembled those of enteric in cultural characters, but that differed in not reacting with Pfeiffer's antityphoid serum were detected in I, II, IX, and X, but not in the other samples. The microbe found in II resembled that of enteric more closely than the others.

Government Analyst,
N.-W. Provinces and Oudh.

C No 10967

Civil Surgeon's Office,

OOTACAMUND, 21st July 1898.

SECRETARIAT GOVERNMENT
21 JUL 1898
LOCAL & MUNICIPAL DEPARTMENT

No. 359

From

Surgeon Major C. A. Thompson M.B

Civil Surgeon, Ootacamund.

To

The Secretary to Government
Local & Municipal Dept.
Ootacamund

Send to Hon with suggestion that this be forwarded to San. Comm. for remarks.
HP
21/7/98

Enclosures-one

SIR,

I have the honour to forward for the information of Government the report on the bacteriological analysis of samples of water sent to Professor Hankin in accordance with the instructions conveyed in your D.O. of 18th June.

2. Another sample of the Marlimund pipe water, and samples of the water used by hotel Spencer & others in the manufacture of Soda-water have been sent to Professor Hankin for analysis

I have the honor to be,
Sir,
Your most obedient servant,

C A Thompson M.B
Surgeon Major Civil Surgeon.

1898.

From

The Civil Surgeon
Cotacamund

To

The Secretary to Govt:
Local & Municipal Dept.
Cotacamund

No.

Subject

Submitting Report from
Govt. Analyst, N. W. Provinces,
on Samples of water sent
for bacteriological Examinatn

When given for copying ——
When copied ——
When examined ——
When signed —— 189 .

Read again G.O., No. , dated
189 .

Current No.

Enclosures to C. No.

Order of Government	A	A	A	A	A	A	A	
Letter of Government.								
Statement with ditto.								
Papers not filed up, being meant for despatch in original.								

N.B.—
A = Copy in full.
B = Not to be copied.
P = Copy abstract only.
Q = Copy heading only.