

Local & Munl. (1899) Department.
Plague.

MISCELLANEOUS.

G.O., No. 1456

DATED 7-10-88

Spd. 9. 10. 99

[Despatch Abstract.]

Materials to the Laboratory for bac-
teriological examination. — Regarding
Communicating to the Sanitary Commr &
The Surgeon General resolution of the
Bombay Govt regarding the procedure to be
adopted in sending. —

BACK PAPERS.

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

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.
cmo 3299 P 22							

Plague.

[L. & M. 1,000-18, 5-10.]

Local & Munl. (1899) Department.

CURRENT No. 29408

From

The Govt of Bombay

Order no. 11456 P. n. 77-10-88

Communicated to all Collectors, the District C., the Sanitary Comm., & the Surgeon Genl. for information.

No. 5891 P.

Dated 26-7-91

Received 2-8-91

Registered 2-10-91

Enclosures 2

Spare copies 9 in each

note The rules will be entered in the new Plague Manual

To,

All Collectors.

~~The District C.~~

The S. C.

The S. G.

Forwarding copies to the S. C. & S. G. on 8.10.91

SUBJECT.

Forwarding for information copies of the Resolutions of the Govt of Bombay & the procedure to be adopted in sending material for bacteriological examination to the Plague Research Laboratory Bombay.

BACK PAPERS.

G.O.	No.	Department.	Date.
G.O.	1062	Public	
			20/8/98
			17252
			19-9-98

FURTHER PAPERS.

G.O.	No.	Department.	Date.

Plague.—

Research Work.
Procedure to be adopted in sending materials to the Laboratory for bacteriological examination.

General Department (Plague).
No. 4556-P.

Bombay Castle,
19th July 1899.

Memorandum from the Plague Commissioner, No. 724-P.C., dated the 20th April 1899—

Submits, for the issue of the necessary orders, the following letter No. 1734, dated the 10th idem, from Major W. B. Bannerman, I.M.S.:—

"I have the honour to forward herewith draft of a letter about the procedure to be adopted by individuals when sending materials to the Laboratory for bacteriological examination. In the majority of cases, it has been found useless to examine the materials sent, owing to faulty methods of packing.

"I would suggest, therefore, that these rules be printed, and distributed to all Collectors, Civil Surgeons and Chairmen of Municipalities.

"Should this meet with your approval, I request that you will be kind enough to send 500 spare copies for the use of the Laboratory as may be required. Collectors should be supplied with enough spare copies to supply all the plague staff and hospitals in their districts, and the Surgeon General with sufficient for his department."

Memorandum to the Post Master General, Bombay, No. 2929-P., dated the 29th April 1899—

Forwards the rules framed by Major Bannerman for any remarks that officer may have to offer.

Letter from the Post Master General, Bombay, No. 15-G., dated the 13th May 1899—

States, with reference to Government memorandum No. 2929-P., dated the 29th April 1899, that the matter has been referred to the Director General of the Post Office of India and that his reply when received will be communicated to this Department.

Letter from the Post Master General, Bombay, No. 20-G., dated the 6th June 1899—

Forwards, in continuation of his letter No. 15-G., dated the 13th May 1899, copy of a letter No. 641-C., dated the 30th idem, from the Director General of the Post Office of India, inviting the attention of this Government to the rules of the Government of India on the subject, published with the Home Department Resolution No. 1077-1086, dated the 9th August 1898, and observing that the provisions of those rules in respect of the closing, stoppering and sealing of bottles and jars and also in respect of packing them in boxes or cases should be followed in the present case.

Memorandum to Major W. B. Bannerman, M.D., I.M.S., No. 3843-P., dated the 13th June 1899.

Memorandum from Major W. B. Bannerman, M.D., I.M.S., No. 3099, dated the 15th June 1899—

Suggests, with reference to Government memorandum No. 3843-P., dated the 13th idem, certain alterations of the draft rules forwarded with his letter No. 1734, dated the 20th April 1899.

Memorandum to the Director General of the Post Office of India, No. 4034-P., dated the 21st June 1899.

Telegram from the Director General of the Post Office of India, No. 334-C., dated the 29th June 1899:—

"Your 4034 of 21st instant received by me in Simla to-day. Suggest that sub-head 3 under B.—Excreta, sputa and the like should be made equally applicable to dead animals, rats, &c., when sent by post. Have no other suggestion to offer."

1/200 P 21/8/99

RESOLUTION.—The rules* framed by Major Bannerman, M.D., I.M.S., as amended in accordance with the suggestion of the Director General of the Post Office of India should be printed and copies distributed to the officers and Departments concerned for information and guidance.

J. K. LONDON, Lt.,
Secretary to Government.

To

The Plague Commissioner,
The Commissioner in Sind,
The Commissioner, N. D.,
The Commissioner, C. D.,
The Commissioner, S. D.,
The Surgeon General with the Government of Bombay,
All Collectors, including the Collectors and Deputy Commissioners in Sind,
(For communication to the Chairmen of the Municipalities and the District Superintendents of Police.)
The Commissioner of Customs, Salt, Opium and A'bkári,
The Municipal Commissioner for the City of Bombay,
The Sanitary Commissioner for the Government of Bombay,
The Health Officer of the Port of Bombay,
The Supervising Medical Officer, Railway Medical Inspection,
The Political Agents, Káthiáwár, Kolhápúr and Southern Marátha Country, Cutch, Mahi Kántha and Rewa Kántha,
The Political Superintendents, Pálanpur and Sávantvádi,
Major W. B. Bannerman, M.D., I.M.S.,
The Post Master General,
The Chairman, Poona Cantonment and Suburban Plague Committee,
The Chairman, Belgaum Plague Committee,
The Chairman, Karáchi Plague Committee,
The Chairman, Hyderabad Plague Committee,
The Chief Plague Authority, Poona City,
The Superintendent of Mahábaleshvar,
The Private Secretary to His Excellency the Governor,
All Departments of the Secretariat (except the Separate, Legislative and Ecclesiastical Departments).

* Printed on page 3.

No. of 1899.

Copy forwarded for information and guidance to

Rules to be observed by officers when sending fresh materials to the Research Laboratory for bacteriological examination.

A.—Dead animals, rats, &c.—

1. These should only be sent if freshly dead or at least before any signs of putrefaction are evident.
2. If sent by post from outlying stations, they should be most carefully packed in ice, no spirit or other preservative fluid of any kind being used: water-tight bottles or cases being used in each case.
3. In Bombay they ought to be sent by special messenger *at once*, or if found late at night, to be packed in ice and despatched early the following morning.

B.—Excreta, sputa and the like—

1. These should be sent in carefully stoppered and sealed bottles.
2. No fluid of a preservative nature ought to be added to them.

C.—When any of the above articles are sent by post, the rules laid down by the Government of India in Resolution No. 1077-1086 of 9th August 1898 should be observed. *viz.*, "great care should be taken that the stopper or cork of the bottle fits tightly." "The stopper should be carefully tied down with bladder or leather and sealed."

"The glass bottle or jar should then be placed in a strong wooden or tin box, which should be large enough to allow of a layer of raw cotton, at least three-fourths of an inch thick, being put between the vessel and the box. The box itself should be encased in common *gdrah* cloth which should be securely closed and sealed. The seals should be at intervals not exceeding three inches along each line of sewing."

in S.O. No.
1062-1900
20/8/99
in F.O.
17250
19/9/99

Plague.—

Research Work.

Procedure to be adopted in sending materials to the Laboratory for bacteriological examination.

Bombay Castle,
16th September 1899.

General Department (Plague).
No. 5654-P.

Letter from Major W. B. Bannerman, M.D., I.M.S., No. 5346, dated the 23rd August 1899:—

"I have the honour to forward herewith a set of rules* for the guidance of Medical Officers who may wish to send material here for diagnosis. In many cases the tubes of growth arrive in such a state that it is useless to examine them, and often the material has been wrongly obtained.

"Under these circumstances, I think it would be useful to have these rules printed along with those previously published with Government Resolution No. 4556-P. and distributed in the same manner, 500 copies being sent here for distribution as required.

"2. As samples are sent here not only from the Bombay Presidency but from all parts of India I would suggest the advisability of communicating these rules to the Government of India and all local Governments."

RESOLUTION.—A copy of Major Bannerman's letter and of its accompaniment should be forwarded to the officers and Departments concerned for information and guidance in continuation of Government Resolution No. 4556-P., dated the 19th July 1899.

2. A copy of the papers with copy of Government Resolution No. 4556-P., dated the 19th July 1899, should also be forwarded to the Government of India and other Local Governments and Administrations.

J. K. CONDON, Capt.,
Under Secretary to Government.

To

The Plague Commissioner,
The Commissioner in Sind,
The Commissioner, N. D.,
The Commissioner, C. D.,
The Commissioner, S. D.,
All Collectors, including the Collectors and Deputy Commissioners in Sind,

(For communication to the Chairmen of the Municipalities and to the District Superintendents of Police.)

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The Municipal Commissioner for the City of Bombay,
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The Health Officer of the Port of Bombay,
The Supervising Medical Officer, Railway Medical Inspection,
The Inspector General of Police,
The Commissioner of Police, Bombay,
The Postmaster General,

[P. T. O.]

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The Postmaster General,

[P. T. O.]

* Printed on page 3.

2
29/10/1899

The Chairman, Poona Cantonment and Suburban Plague Committee,
 The Chairman, Belgaum Plague Committee,
 The Chairman, Karáchi Plague Committee,
 The Chairman, Hyderabad Plague Committee,
 The Chief Plague Authority, Poona City,
 The Superintendent of Mahábaleshwar,
 The Political Agents, Káthiáwár, Cutch, Kolhápur and Southern Marátha
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 The Political Superintendents, Pálanpur and Sávantvádi,
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 The Government of Bengal,
 The Government of the North-Western Provinces
 and Oudh,

The Government of the Punjáb,
 The Government of Burma,
 The Government of Ceylon,
 The Resident at Baroda,
 The Resident at Hyderabad,
 The Resident in Mysore,
 The Chief Commissioner, Central Provinces,
 The Chief Commissioner, Assam,
 The Agent to the Governor General, Central India,
 The Agent to the Governor General, Rájputána,
 The Agent to the Governor General, Ajmere-Merwára. J

By letter.

No. of 1899.

Copy forwarded for information and guidance to

Note on a simple method of preparing cultures and slides for the Bacterio-
 logical diagnosis of *Plague*.

Requirements—

1. Spirit lamp.
2. Spatula.
3. Scalpel.
4. Forceps.
5. * Glass Pipettes (sterile).
6. * Agar slants (Dry).
7. Microscopic slides.
8. Carbolic lotion (1-20).

* These will be sent from the Laboratory on application.

A.—To make cultures from a bubo *post mortem*, wash the skin over the bubo well with soap and water and then with carbolic lotion and dry it.

Heat the spatula strongly in the flame until it is hot enough to sear the skin. Do this.

Heat the scalpel (previously boiled) and make a small stab over the centre of the bubo, piercing the true skin.

Then having carefully passed one of the straight pipettes through the flame six times, break off the sealed end with the forceps (also previously boiled).

Push the pipette with a twisting motion into the bubo through the stab aperture made by the scalpel, and suck up a little fluid or semi-solid material.

Quickly take an agar slant in the left hand and remove plug with forceps and place between ring and middle fingers of left hand. Heat the mouth of the tube. Insert the pipette into the agar tube and blow out a small amount of material on the surface of the agar leaving a drop to spread over the centre of a microscopic slide.

Then take one of the bent pipettes or spreaders, heat six times in the flame and pass into agar tube and quickly spread the material deposited there over the surface.

N. B.—Rest the heated end of the spreader on the surface of the agar jelly to cool it, before spreading the material.

The mouth of the agar tube should be kept hot by turning it in the flame of the lamp while it is open, and the cotton plug ought to be burnt in the flame before putting it back in the tube with the forceps.

While open, keep the agar tube mouth downwards or in a horizontal position.

The remaining drop in the pipette should be blown out on the centre of a microscopic slide and spread over. The slide should, when dry, be passed three times through the flame. Care should be taken not to over-heat the slide.

The slide and the tube should be labelled, wrapped in paper and carefully packed in cotton wool and sent off to the Laboratory for report. If sent by post, the instructions contained in Rule "C" of the Rules promulgated by Government Resolution No. 4556-P., dated 19th July 1899, should be observed.

The straight pipette used should be destroyed by melting the end in the flame. The bent pipette should be sterilised by holding in the flame of the spirit lamp till all the matter on it is charred.

B.—In a similar manner cultures can be obtained from the heart, blood, liver, and spleen, and it is always better to send cultures from various organs in every case.

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The mouth of the agar tube should be kept hot by turning it in the flame of the lamp while it is open, and the cotton plug ought to be burnt in the flame before putting it back in the tube with the forceps.

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By letter.

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 The Agent to the Governor General, Rajputana,
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By letter.

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P.

GENERAL DEPARTMENT (PLAGUE).

Bombay Castle, 26th September 1899.

FROM

A. F. WOODBURN, Esq., I.C.S.,
Acting Chief Secretary to Government;

TO

*The Secretary to the Government of Madras,
Local and Municipal Department.*

Sir,

I am directed to forward, *for the information of the
Government of Madras,*

No. 4556-P., dated the 19th July 1899.
No. 5654-P., dated the 16th September 1899.

copies of the marginally noted Resolu-
tions of the Government of Bombay

in the General Department (Plague), on the procedure to be adopted in sending
materials for bacteriological examination to the Plague Research Laboratory,
Bombay.

I have the honour to be,

Sir,

Your most obedient Servant,

W. C. Gordon
Capt.

Acting Chief Secretary to Government.

15,000-10-2-06.

Paper taken out of the Records from the charge of the Referencer.

~~Press~~
Miscellaneous
~~Routine~~

No

O. 1457

dated

7-10-91 190

