

Financial (1898) Department.

ORDINARY MS.

G.O., No. 1034

DATED 10-11-98

INDEXED.

6/7

[Despatch Abstract.]

Recording proceedings, L & A Dept., approving, with remarks the scheme, drawn up by the Plague Commr in consultation with the Sanitary Commr & the President and the Health officers of the Madras Municipality, for the defence of Madras against plague.

+ 10/11/98

BACK PAPERS.

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

FURTHER PAPERS.

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

Financial (1898) Department.

CURRENT No. 3107

Government (1898) of Madras.
LOCAL AND MUNICIPAL.

Recd. 2. Nov.

Regd. 2. Nov.

1898.

Enclosure

Spare copies

G.O., No. 1264 P., 7th October 1898.

Order W^o 1034 of 10-11-98

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Desp^d 14/11/98

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Chas 14/11/98

Scheme for the defence of Madras.

Approving, with remarks, the —

From Plasur?

GOVERNMENT OF MADRAS.

LOCAL AND MUNICIPAL DEPARTMENT.

READ—the following papers:—

From R. E. ELLIS, Esq., M.I.C.E., Acting President, Municipal Commission, to the Sanitary Commissioner to the Government of Madras, dated Madras, 28th September 1898, G. No. 349.

I have the honour to send herewith the scheme for the defence of Madras as settled by us yesterday and request you will forward it to the Plague Commissioner to-day and advise me that you have done so.

2. I have added paragraph 31 which relates to the examination at Chingleput station about which I understand you have spoken to the Plague Commissioner.

Forwarded to the Plague Commissioner.

(Signed) W. G. KING, Lieut.-Col.,
Sanitary Commissioner for Madras.

28th September 1898.

No. 31.

Submitted to Government with marginal notes as the briefest way of giving what explanations appear necessary.

30th September 1898.

(Signed) M. HAMMICK,
Plague Commissioner.

ENCLOSURE.

From R. E. ELLIS, Esq., M.I.C.E., Acting President, Municipal Commission, to the Plague Commissioner, dated Madras, 28th September 1898.

Notes by the Plague Commissioner.

The Acting President, Municipal Commission, with the Health Officer and Sanitary Commissioner sat on two days for about 4 hours on each day discussing with me all these proposals which are actually Dr. King's proposals.

Mr. Ellis tells me his powers under the Act are not well defined or understood. I have not had time to enquire into the matter myself.

This was apparently an omission by oversight.

Rule 19 of the City of Madras rules is not wide enough to meet a general strike of the scavengers' establishment.

I have the honour to submit herewith a scheme for the defence of Madras against plague which has been prepared in consultation with the Sanitary Commissioner.

(1) That the President should have power to appoint such staff as he considers necessary and to carry out works required by Government through the Plague Commissioner.

(2) That section 322 of the Madras Municipal Act be added to the City of Madras Plague Regulation 2.

(3) That the President should have power over scavengers and all sanitary staff up to, say, a class receiving Rs. 15

Notes by the Plague Commissioner.

Municipal President's Letter.

pay a month in the manner provided in section 282-A (2) and (3), Madras District Municipalities Act.

Note.—Regulation 28, Original Mufassal Regulation, would not cover the requirement.

(4) That the arrangements of the camps and hospitals be carried out to the satisfaction of the Plague Commissioner.

(5) That the President shall frame rules relating to batta and feeding persons kept in segregation camps.

(6) That the President shall furnish lists of districts and streets to the Commissioners for the purpose of their nominating responsible residents as members of Vigilance Committees.

(7) That each of the eight divisions now in charge of seven Inspectors be provided with a central office for the Sanitary Inspector of the division, and for the examination of passports and for inoculation; this office should be used also as a place for storing disinfectants and for keeping ambulance carts. The President to have power and connect them with telephones and to provide bicycles for the staff wherever necessary.

* (8) The following establishment to be appointed for conservancy with the object of allowing the Sanitary staff to do their legitimate duty:—

One Superintendent of conservancy	Rs. 250
Three clerks, Rs. 45, Rs. 25, Rs. 15	85
Two peons at Rs. 7 each	14
Eight conservancy inspectors at Rs. 100 each	800
Sixteen conservancy overseers at Rs. 25 each	400
One clerk to Health Officer's establishment	50

(9) That the President takes steps to stop the present practice under which the conservancy establishment does no work on Saturday afternoons.

(10) That dust carts be covered with tarpaulins as far as found practicable by the Health Officer.

(11) That thirty additional night-soil carts be made.

(12) That the existing flushing pipes over the drains be raised above storm water level.

(13) That the water main passing through the main sewer in Popham's Broadway be removed.

I am inspecting each camp and issuing orders in writing after taking Dr. King's advice.

Mr. Ellis is taking steps to get these persons named. They may turn out to be very important aids to us.

This is instead of the 20 places proposed in the original scheme sent up.

* This scheme is a modification of the scheme originally submitted. Dr. King's idea seems sound, which is that it is better if possible to utilize for sanitary duties in connection with plague, the existing mixed sanitary and conservancy staff, than to use entirely new hands. He therefore proposes to increase the conservancy staff by new men (as for conservancy the fact that the men are new will not matter so much) and thus leave a large number of existing hands available for sanitary work.

Then instead of working on a basis of twenty units each with a Superintendent as Colonel Moore proposed, it is now proposed to work on the existing basis of seven superintendents over eight divisions (two divisions are so small as to be worked with one head) and to add to these seven Superintendents as requirements turn up thirteen officers who will work as Assistant Superintendents and either work under the seven Superintendents or be given separate independent charges as may seem necessary—vide proposal 17.

This system of giving aid will cause less dislocation of existing arrangements than the scheme of Colonel Moore's which made twenty new divisions, which really were too small divisions to be worked separately at first. It reduces also the number of houses required to be taken up as offices from twenty to seven.

Notes by the Plague Commissioner.

Municipal President's Letter.

(14) That the area near the slaughter-house in Monegar Choultry should not be utilized as the site for conservancy carts, but that the carts be kept opposite the Royapuram Hospital where they have been temporarily located on account of rinderpest.

(15) That no further burials be allowed in DeMellow's Road farm or burial-ground and that the existing burial-grounds at Washermanpet and Otary be used in its place.

(16) That the municipality should at once provide itself with a supply of Chinese pumps and with a sufficient store of disinfectants, more especially perchloride of mercury and hydrochloric acid.

(17) That the Government be pleased to appoint four officers as Superintendents. This arrangement will form part of the scheme approved by Government, the idea being to bring the number of officers up to seven on some future day to correspond with the areas now under the seven inspectors and eventually if necessary to appoint *thirteen additional Superintendents* to make up the twenty as proposed by Sir George Moore in his letter No. 145.

(18) That the President should appoint the following ambulance staff:—

- 1 European nurse.
- 4 Dhoolie bearers.
- 1 Male toty.
- 1 Female toty.
- 2 Male attendants.
- 2 Female attendants.
- 1 Hospital Assistant.

(19) That the following staff should be appointed for each segregation camp:—

- Superintendent, Rs. 60.
- Bazaar peon.
- Male and female toty.
- Two sweepers.
- Caste waterman if no supply is laid on.
- Four coolies.

(20) That the Commissioner of Police be asked to supply sufficient guard for each segregation camp.

(21) That Government be prepared to supply on very short notice sufficient medical officers to undertake plague medical duties.

These four officers who will be either Assistant Collectors or Staff Corps Lieutenants and Captains are required *at once* to keep the sanitary establishment up to the mark.

i.e., either in separate charge or to work under the seven Superintendents as Assistant Superintendents.

Colonel Temple who was suggested is a more expensive officer than is required.

The great advantage of this scheme is that it falls in with the existing scheme in the city, viz., eight divisions under seven inspectors as explained above.

This staff should be provided *at once*. What we want is that if, say, a case is found in a house in Triplicane we can *at once* move the case into a *selected* private hospital and have the staff and medicines ready to supply the wants say for a day or two, *until* the private hospital committees can provide for themselves. The ambulance staff will then be available for another case and so on. These local committees cannot furnish and *equip* a hospital *beforehand*, but they will I think take an empty house and be able to get the equipment in a day or two when a case occurs. What we want is to be able *immediately* a case occurs to have a place (a private establishment) to send it to.

This is very necessary.

Notes by the Plague Commissioner.

Municipal President's Letter.

I have done this by letter to North Arcot, Chingleput and Nellore.

We considered the possibility of road frontier stations into Madras, but traffic is so heavy and so much of it at night that it appeared impossible to be able to arrange anything that would work.

I understand the idea is a general notification which the President will put in operation, where necessary, *i.e.*, in infected areas.

Dr. King is furnishing me with a hand-bill.

This seems absolutely necessary.

On inspection I consider a hospital for Triplicane absolutely necessary. We shall never be able to take Triplicane people to Egmore, unless private hospitals are established which is still doubtful; we must have a place near Triplicane as a Government hospital. It is therefore proposed to remove the patients from the isolation hospital at Kistnampet to a temporary cholera hospital which will be erected close by on an open piece of ground selected by Dr. King which we have seen and to erect in the isolation hospital compound a gosha shed for six patients and families. The pukka building there will contain 32 beds at a pinch for males and with a gosha hospital for six females, it will suffice for the present. If plague becomes epidemic, of course many buildings will have to be taken up. But as a start this gosha hospital will do. Muhammadan opinion is that if we are to succeed in removing Muhammadan

(22) That the Plague Commissioner be requested to draw the attention of all frontier Collectors to the importance of keeping village officers on the main lines of communication with Madras on the alert.

(23) That the Government request the Deputy Adjutant-General to place 100 sepoy at the immediate disposal of the President for the purpose of being trained in the duty of disinfecting and sick transport.

(24) That the Government issue a notification under section 309 of the Municipal Act to apply to the whole town so that removable private receptacles may be provided wherever considered necessary.

(25) That the Plague Commissioner be asked to distribute a hand-bill describing the plague and measures to be taken to deal with it.

(26) That the Surgeon-General be directed to provide a *lady doctor* for inoculation.

- * 1. Open space at the back of H. L. Police station, Tiruvottiyur High road.
- 2. Open space on the east side of Mint street opposite to house No. 174.
- 3. Open space south of Smithfield market.
- 4. Open space west of Wallajah road police station.

(27) That marginally-noted places* be taken up as plague divisional offices as described in paragraph 7.

(28) That another plague hospital is required for Triplicane and that the isolation hospital at Kistnampet be used for plague cases pending further developments and that the accommodation be increased by one shed at once; that part of the hospital be used for gosha women and that the Surgeon-General be asked to supply a lady doctor at once.

Notes by the Plague Commissioner.

Municipal President's Letter.

female patients in the first instance, we must have proper gosha arrangements at a place near Triplicane. This isolation hospital will do very well. Cholera appears to be dying out now and, in any case, the cholera patients can be looked after at a new temporary cholera shed to be erected close by.

(29) That small incinerators, 3' 6" high, be built at the segregation camps.

(30) That the Health Officer be empowered to employ coolies to cleanse insanitary houses in the poorer districts or wherever necessary.

I have made enquiries about this and will report further on the matter, if necessary, and ask for sanction.

(31) That the Collector of Chingleput be asked to have a medical examination of the trains on the South Indian Railway, Chingleput station.

(32) In order that the scheme may be better understood, I append a memorandum which was circulated to the Commissioners on the 21st instant. Plans of all the health camps have been sent to the Sanitary Commissioner for approval or remarks, and materials have been ordered for 100 sheds, 10' x 10', to be kept in readiness at each of the following places: Pudupet plain, Fort pumping station and Surianarayana Chetti street.

MEMORANDUM in connection with Plague Hospitals, Segregation Camps, Health Camps and Staff.

Hospitals.—Three Hospitals are being equipped for plague cases—

(1) *Egmore Hospital.*—This is the old Women and Children's Hospital and is admirably suited for the purpose. Seven temporary sheds have been erected on the existing masonry platforms, four kitchens for the different castes have been constructed, a large apparatus for boiling infected clothing has been put up, the main building and the quarters of the Assistant Surgeon have been repaired. The hospital will accommodate about 70 patients. The staff engaged for this hospital is as under:—

1. Narasinga Rao ..	..	Assistant Surgeon.	No duty.
2. Muthaliyandan Naiker ..	..	Hospital Assistant.	do.
3. Mrs. Muir ..	..	Nurse.	do.
4. Mrs. Dennison ..	..	Do.	do.
Peon ..	..	1	
Cook ..	..	1	
Ward boys ..	..	2	
Watchmen ..	..	2	
Toty ..	..	1	

(2) *Perambore Hospital.*—This hospital is intended for patients that may be found in the train or who may develop the disease during the period of observation in the segregation sheds at Perambore. The bungalow taken up for the purpose is situated on the south side of Perambore high road near the Perambore railway station.

Two large sheds to accommodate ten patients each are about to be erected and sheds for the accommodation of friends of patients, servants, nurses, one hospital assistant, and latrines and bathing places are likewise being constructed. This hospital will give room for about 20 patients.

The staff employed here and for the inspection of passengers at Perambore is as under:—

1. V. Bashiam Mudaliar ..	..	..	Special Sanitary Inspector.	} Platform duty.
2. V. Krishnasawmi Pillai ..	..	..	Special Sanitary Overseer.	
3. Seetharam Aiyar ..	..	..	Do. do.	
4. Abdul Rahiman ..	..	..	Do. do.	
5. V. Vadivelu Mudali ..	..	..	Hospital Assistant.	
6. K. Shiva Rao ..	..	..	Do.	
7. Y. Rungasawmi Iyengar ..	..	..	Clerk.	
Peons ..	..	..	5	
Coolies ..	..	..	4	
Scavenger ..	..	..	1	
Watchmen ..	..	..	3	
Sweeper ..	..	..	1	

(3) *Old Native Infantry Hospital, Royapuram.*—In addition to the old regimental hospital which was handed over by Government to the municipality for the purposes of plague, the armoury is being converted for that purpose also. The roof is to be ventilated and suitable windows and doorways are being made in the walls to afford sufficient light and air for the welfare of patients and attendants. The southern parade ground has been fenced in and accommodation for friends of patients, servants, nurses is being provided, latrines and bathing places will be constructed, and the hospital rendered efficient for about 70 patients.

The staff engaged for this hospital is stated below. They are now engaged on cholera duty at the native infirmary.

1. V. K. Narasima Charry ..	..	..	Hospital Assistant	Cholera
2. Sadagopa Mudali ..	..	..	"	do.
Male ward attendants ..	..	..	4	do.
Female ward attendants ..	..	..	4	do.
Toties ..	..	..	4	do.

Segregation Camps.—Six segregation camps have been laid out at the following sites:—

1. Native infantry lines shed, Washermanpet.	} All but No. 3 are being made fit for immediate occupation.
2. Tondiarpet shed.	
3. Perambore detention shed.	
4. Vepery shed.	
5. Old Lunatic Asylum Road shed.	
6. Krishnampet shed.	

These are intended for the accommodation of persons who have come in contact with those who have had the disease. Accommodation has been provided with a view to rendering the places suitable for different castes and sexes.

The staff employed at the segregation camps is as under:—

Washermanpet Native Infantry Lines.

1. Asirvatham ..	..	..	Assistant Surgeon.	On cholera duty.
2. Mrs. Halge ..	..	..	Nurse.	} On cholera duty in native infirmary.
3. Mrs. M. E. Nicholes ..	..	..	do.	
Male ward attendants ..	..	..	2	
Female ward attendants ..	..	..	2	
Watchmen ..	..	..	7	
Cook ..	..	..	1	
Male toty ..	..	..	1	
Female toty ..	..	..	1	

Vepery.

Watchmen ..	..	..	..	..	2
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Old Lunatic Asylum.

Watchmen 2

In addition to the above there is a special staff for cholera and small-pox at the isolation hospital at Kistnampet as below :—

1. Abdul Wahab	Hospital Assistant.	Cholera and Small-pox.
2. V. C. Subramania Mudaly	"	"
Male Ward Attendant	1	"
" Toty	1	"
Watchmen	2	"

The following staff are employed on general plague duty :—

1. K. T. Mathew	Assistant Health Officer.
2. Muthialiah Achary	Special S. I., 1st division, for inspection of passengers.
3. K. Annadorai Iyer	Spl. S. I., 2nd division, for inspection of passengers.
4. V. S. Narayana Iyer	Spl. S. I., 3rd
5. E. Streenivasachary	Spl. S. I., 5th
6. C. S. Subramania Iyer	Spl. S. I., 7th
7. M. Nasar Ali	Spl. S. I., 8th
8. L. Fernandez	Hospital Assistant for inspecting ship passengers.
9. Amminuddin	Hospital Assistant doing duty in 7th division.

The following staff are employed for flushing drains as a precaution against plague :—

N. C. Thiruvengkata Charry	Clerk.
Peons	14
Maistries	4
Turn cocks	27
Men coolies	200
Boy coolies	39

Health Camps.—The following sites have been selected as Health Camps and are intended to provide shelter for those who may wish to move from infected districts in case plague should appear. It is hoped that persons will erect their own huts in the sites which will be pointed out when the time comes. Plans showing the arrangement of huts, latrines and bathing places have been prepared and are now with the Sanitary Commissioner. Persons who occupy these huts will be allowed freedom.

1. Site just beyond the new European Cemetery at Kilpauk.
2. Suriya Narayana Chetty Street, 1st division.
3. Mount Road near Government Farm.
4. Pudupet Plain.
5. Spur Tank.
6. People's Park, N. W. Corner.
7. Beach opposite Law Courts.
8. Beach just north of Cooum mouth.
9. Fort Esplanade.
10. Engineer's play-ground, Chempauk.
11. Mylapur.
12. Landon's Gardens.

The expenditure for plague prevention for 1897-98 was Rs. 46,767.

The expenditure since the 1st April 1898 is Rs. 24,640.

The addresses of the staff employed for plague duty are given below for information :—

- K. T. Mathew, Assistant Health Officer, Kulmantapam Road, Royapuram.
 V. Bashiam Mudaliar, Special Sanitary Inspector, Perambore Railway Station, No. 79, Viraragava Mudali Street, Triplicane.
 K. Annadorai Iyer, Special Sanitary Inspector, 2nd division, No. 19, Alangatha Street, Triplicane.
 V. S. Narayana Iyer, Special Sanitary Inspector, 3rd division, No. 317, Thumbu Chetty Street.
 N. C. Thiruvengada Charry, Clerk (Flushing Staff), No. 100, China Bazaar Road.

Plans showing the general arrangements of a suitable hospital may be seen at the Municipal Office and copies are sent herewith as far as available. More copies are expected in a few days, and will be furnished to the Commissioners who have not been supplied. The estimated cost of a temporary hospital is as under :—

	Rs.
2 Hospital sheds 30' x 24' raised 1' off the ground, with verandah to accommodate 5 patients of each sex	360
2 Latrines 8' x 6'	100
2 Bathing places 8 x 6	100
2 Servants' sheds 40 x 10 divided into compartments	120
1 Shed for friends of patients divided into compartments 40' x 10' with verandah	70
3 Sheds for nurses and hospital assistants with verandah, cock room and bath room	120
1 Cook room for patients 12 x 6	100
1 Mortuary	15
Water-supply depending on the site, say	500
10 Cots	100
	1,225

Say 130 a patient.

MUNICIPAL OFFICE,
MADRAS,
21st September 1898.

R. E. ELLIS,

Ag. President, M. M. C

ORDER—No. 1264 P., dated 7th October 1898.

With the letter read above, the Plague Commissioner submits for orders the scheme drawn up by him in consultation with the Sanitary Commissioner and the President and the Health Officer of the Madras Municipality. The scheme is approved generally subject to the following remarks.

2. *Proposal (1).*—Under section 44 of the City of Madras Municipal Act, the President may appoint such officers as the Commissioners think necessary for the purposes of the Act, and he could, no doubt, make appointments in anticipation of their sanction in cases of urgency. City Regulation 8, under the Epidemic Diseases Act, requires the Municipal Commissioners to furnish such hospital establishments as the Health Officer may require. It will, however, be safer to have a separate Regulation under the Epidemic Diseases Act, giving the President power to appoint all establishments required to carry out the Plague Regulations.

3. *Proposal (2).*—It seems useless, when the President has power under the ordinary law, to specially empower him under the Epidemic Diseases Act.

4. *Proposal (3).*—Both City Regulation 19 and Mufassal Regulation 28 will be amended at once as suggested by the Plague Commissioner in another communication. Section 282-A of the Madras District Municipalities Act will also be extended to the City of Madras. The President should report to what classes of municipal servants other than scavengers, e.g., sanitary inspectors, hospital servants, &c, this section should be applied by notification under sub-section (3).

5. *Proposal (5).*—The rules framed by the President should have the approval of the Plague Commissioner.

6. *Proposal (15).*—The Government desires to have further particulars before sanctioning the closure of this burial-ground.

7. *Proposal (17).*—The proposed four Superintendents will be designated "Plague Officers" and the thirteen additional Superintendents "Assistant Plague Officers," and the charges on account of their salaries and allowances will be debited to Provincial. Steps will be taken in the Public Department to appoint the Plague Officers and the Plague Commissioner should appoint the Assistant Plague Officers, and the necessary powers to act under the City of Madras Plague Regulations should be delegated to both classes by the President.

8. *Proposal* (18).—In the opinion of Government, three ambulance staffs should be organized and kept in readiness. If private hospitals are not ready to receive patients, they must be taken to public plague hospitals.

9. *Proposal* (21).—The Government has already applied to the Government of India for additional medical practitioners and for nurses, and the Plague Commissioner should intimate his requirements to the Surgeon-General.

10. *Proposal* (22).—The question of establishing road frontier inspection stations in Madras may be considered if plague establishes itself in the adjacent districts.

11. *Proposal* (23).—The Deputy Adjutant-General, Madras Command, is requested to inform Government whether 100 Native sepoy can be lent with full camp equipment to the President, Madras Municipality, for the purposes stated.

12. *Proposal* (24).—Orders will be separately issued on this point.

13. *Proposal* (26).—The Plague Commissioner is requested to address the Surgeon-General.

14. *Proposal* (27).—This is a matter for disposal by the Plague Commissioner, but it is not clear why open spaces are required for offices. Existing houses would be preferable to new structures.

15. *Proposal* (28).—The Government doubts whether the proposed Kistnampet hospital will provide sufficiently for the south of Madras, Mylapore and St. Thomé, and whether patients from Triplicane can go so far as Kistnampet. Some special provision for Triplicane should be made at once, and if a suitable house cannot be found, a temporary plague hospital should be built in the open ground to the south of the Presidency College. The Kistnampet hospital should be properly organized as a plague hospital and the accommodation for females there should be increased as there is no reason to assume that plague will attack fewer women than men.

16. The Plague Commissioner should satisfy himself that the strength of the medical and other establishments attached to the hospitals mentioned in paragraphs (1), (2) and (3) of the President's printed memorandum of the 21st September 1898 is adequate. The Government observes that there are no nurses at Perambur and Rayapuram and generally no sufficient organized staff of any kind. In all cases it will probably be best to take up neighbouring houses to accommodate the nurses and the medical staff.

17. The Plague Commissioner is requested to prepare and submit for the approval of Government, at an early date, a draft of the regulations and notifications necessary to give effect to the orders issued in these proceedings.

(True Extract.)

A. Edington
for Secretary to Government.

To the Plague Commissioner.

- „ Deputy Adjutant-General, Madras Command.
- „ President, Municipal Commission, Madras.
- „ Public Department.
- „ Financial Department.
- „ Sanitary Commissioner.
- „ Surgeon-General.

Exd. W. D'Moss.

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READ AGAIN G.O., No
189

DATED

CURRENT No.

ENCLOSURES TO C. No.

ORDER OF GOVERNMENT.

A A A A A A A

LETTER OF GOVERNMENT.

STATEMENT WITH DUTTO

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