Local & Munl. (~~190~~ 1898) Department.

Plague.

PRINTED.

G.O., No. 1264 P

DATED 7-10-98

[Despatch Abstract.]

Scheme for the defence of Madras:-

Approving, with remarks, the ———.

Local & Munl. (~~100~~ 1898) Department

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BACK PAPERS.

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

FURTHER PAPERS.

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

Government (1898) of Madras.

LOCAL AND MUNICIPAL.

Recd. } 1898. *Enclosure*
Regd. *Spare copies*

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

OCTOBER.

Scheme for the defence of Madras.

Approving, with remarks, the —.

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.

28th September 1898. (Signed) W. G. KING, Lieut.-Col.,
Sanitary Commissioner for Madras.

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.

Municipal President's Letter.

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.

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.

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 :—

	RS.
One Superintendent of conservancy ..	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

24.

(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.

Notes by the Plague Commissioner.

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.

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.

Notes by the Plague Commissioner.

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 pucka 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

Municipal President's Letter.

(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 sepoys 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. I. 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.

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.

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

Municipal President's Letter.

(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.

(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′ × 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 develope 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.
2. Tondiarpet shed.
3. Perambore detention shed.
4. Vepery shed.
5. Old Lunatic Asylum Road shed.
6. Krishnampet shed.

All but No. 3 are being made fit for immediate occupation.

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

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. Thiruvenkata 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 errect 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, Chepauk.
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. Narraina Iyer, Special Sanitary Inspector, 3rd division, No. 317, Thumbu Chetty Street.
N. C. Thiruvengada Charry, Clerk (Flushing Staff), No. 100, China Razaar 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′ × 24′ raised 1′ off the ground, with verandah	360
to accommodate 5 patients of each sex	100
2 Latrines 8′ × 6′	100
2 Bathing places 8 × 6	120
2 Servants' sheds 40 × 10 divided into compartments	
1 Shed for friends of patients divided into compartments 40′ × 10′	70
with verandah	
3 Sheds for nurses and hospital assistants with verandah, cook room	120
and bath room	100
1 Cook room for patients 12 × 6	15
1 Mortuary	500
Water-supply depending on the site, say	100
10 Cots	
	1,225

Say 130 a patient.

R. E. ELLIS,
Ag. President, M. M. C

MUNICIPAL OFFICE,
MADRAS,
21st *September* 1898.

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 "Assistant Plague Officers" and the thirteen additional Superintendents "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 sepoys 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 Perambúr and Ráyapuram 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.)

H. TREMENHEERE,
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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[5]
700—6-4-96.

LOCAL AND MUNICIPAL DEPARTMENT.

Papers to be read in Proceedings:—

Again G.O., dated 189 , No.

Current No 1991 P of 1898, dated 29-9-98 from the Plague Commr.
Current No. of 189 , dated from the

Order. No. 1264. P. dy. 7-10-98.

To Public Dept for favour of G.O.

CS.
Please see passages marked X

6. X. 98

CS
As regards the first portion P. C. may be asked to intimate as early as possible the probable pay of the Plague Officers (who will be Staff Corps officers) & Asst. Plague officers

Notes have been taken for the estimate
6. X. 98

With the letter read above, the Plague Commissioner submits for orders the scheme drawn up by him in consultation with the Sanitary Commr., 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 ~~can~~ could, no doubt, make appointments in anticipation of their sanction in cases of emergency. City Regulation & under the E. D. Act ~~also~~ 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 E. D. Act, giving the President power to appoint all establishments required to carry out the Plague Regulations.

~~2~~3. Proposal (2). It seems ~~unnecessary~~ useless, when the ~~power~~ President has power under the ordinary law, to specially empower him under the E. D. Act.

~~(3)~~ 4. Proposal (3). Both City Regulation 19 and Mufassal Regulation 28 will be amended at once as suggested by the Plague Commissioner and other communication. Section 202-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 subsection (3).

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

6. Proposal (15). The Government desire to have further particulars before sanctioning the closure of

this

Extract from this note
[illegible] for communication to
Public Dept

× D.O. from P.C. d/ 24-8-98

this burial ground.

7. Proposal (17). The proposed four Superintendents will be designated ~~as~~ "Plague Officers" and the ~~13~~ thirteen additional Superintendents ~~as~~ "Assistant Plague Officers", and the charges on account of their salaries and allowances will be debited to Provincial. Steps will be taken in the Pub. Dept. to appoint the ~~Both the~~ Plague Officers, and the P.C. will appoint the Assistant Plague Officers, ~~should be appointed at once~~, and the necessary powers to act under the City of Madras Plague Regulations should be delegated to ~~them~~ both classes by the President.

8. Proposal (8). ~~As Madras is a big city and~~ In the opinion of Govt, three Ambulance Staffs should ~~be~~ be organized and kept in readiness. ~~It is not advisable to move plague patients from place to place, and~~ If private hospitals are not ready to receive ~~them~~ patients, they must be taken ~~in~~ ~~the first~~ to public plague hospitals.

9. Proposal (21). The Government has already applied to the Govt of India for additional medical practitioners and for nurses, and the Plague Commr. should intimate his requirements to the

Surgeon-General

Surgeon-General.

10. Proposal (22). The question of establishing road frontier inspection stations in Madras may be considered if when plague ~~has~~ established itself in the adjacent districts.

11. Proposal (23). The D.A.G. Madras Command is requested to inform Government whether one hundred native sepoys 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 P.C. is requested to address the Surgeon-General. X

14. Proposal (27). This is a matter for disposal by the P.C. but ~~the Govt~~ it is not clear ~~does not understand~~ why open spaces are required for offices. Existing houses would be preferable to ~~[illegible]~~ new structures.

15. Proposal (28). The Government doubts whether the proposed Kistnampet Hospital will provide sufficiently for the South of Madras, Mylapore and St. Thome, and whether ~~[illegible]~~ patients from Triplicane can go so far as Kistnampet.

Some

Some special provision for Triplicane should be made ~~for Triplicane~~ 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 ~~The accommoda~~ ~~for females at the Kistnampet~~ ~~hospital~~ should be increased as there is no reason to assume that plague will attack fewer women than men.

16. The Plague Commr. ~~is~~ should ~~requested to~~ satisfy himself that the strength of the medical & other establishments attached to the hospitals mentioned in paras (1), (2) & (3) of the President's printed Memorandum of the 21st ultt. is adequate. The Government observes that there are no nurses at X Perambur & Royapuram 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 Commr. is requested to prepare and submit

for

16

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 Profs.

(Draft orders)

Lucy
5/10/98

W
5/10 98

To the Plague Commr ✓
the D.A.G. Madras Command ✓
the President Mcl Madras ✓
" Public Dept
" Fin Dept
" Sanitary Commr
" Surgeon General

W
7/10/98

Desd. 7-10-98

Subject sent to Public
5/10

17

Notes on C No. 1991 P.

A. Not only so, but under City Regn 8 the Munl. Commr must provide such hospl. Estts as the Health Officer may require – The Presdt being the Exec. officer will of course see to this – But to make safe, there may be a separate Regn giving the Presdt power to appoint all Estts required to carry out the Regns.

B. It seems useless, when the Presdt has power under the ordinary law, to specially empower him under the E.D. Act.

C. City Regn 19 should be amended at once as we have already ordered Mof. Regn 28 to be amended – Also by Notifn extend to the City S. 282-A of the Mof. Munl. Act & tell Presdt to report the classes of Munl. servants other than scavengers (e.g. sanitary inspectors, hospital servants generally &c &c) to which the section should be extended by Notifn under sub section (3).

D – I agree generally. We are to have 4 "Plague Officers" & 13 "Asstt Plague officers" [Better use this nomenclature to correspond with that already used in the Mof. Addl. Regns – Moreover these terms must be adhered to to throw the charge on Provl. (vide p. 129 of pamphlet)]. Both Plague Offrs & Asstt P.Os should be apptd at once. As to the Pl. Os I have already taken steps in Public to ascertain what Asstt Colrs can be made available – So far as they can't be given (which please find out from Public) telegraph to India for Staff Corps officers to report themselves to the P.C. for service in the City. As to engaging houses &c, I agree with the scheme. In fact, you may take it that I agree in all cases in which I have not noted to the contrary.

The Pl. Os & Asstt Pl. Os must have powers of entry &c &c either delegated to them by the Presdt under the City Regns or specially conferred on them under the Regns of Feb 3, which, so far as not covered by formal Notifns already issued, must be formally notified. I think however they are pretty well covered, so may be taken as 2nd instructions –

E. Madras is a big place. There shd be 3 Ambulance Staffs ready. As to the "selected private hospital", very good, if one is ready willing to admit the patient; if not, cases must be taken to the public plague hospitals. The P.C. apparently thinks removing cases from one hospital to another. This will

18

F. I have written about this already. I hear more doctors are starting from England immediately. After they arrive we can consider where to post them. In the meantime, is the P.C. satisfied with the medical &c strength allotted to the Hospitals mentioned in paras (1), (2) & (3) of the Prest's printed memo of 21.9.98? If he is, I am not. There are no nurses at Perambur & Royapuram & generally no suffᵗ organized staff of any kind. The Kistnampet Hospl. must also be properly organized as a plague hospital. In all these cases, it will probably be best to take up neighbouring houses for the living accommodation of the nurses & medical staff.

I doubt if Kistnampett provides sufficiently for the South of Madras, Mylapore & St Thomé. And so far as I can see, there's no hospital at all for Triplicane. Can patients go there to Kistnampet? I doubt. Something must be done there & at once. ~~Att~~ If they can't find a suitable house to take up, better build, I should say, in the open ground (the old Fishermen's village) S. of the Presidency College.

G. If there is any delay issue Notifⁿ under E.D. Act. That will be lawful, no doubt.

H. For P.C., yes. But why open spaces? A house is required for a man to carry on his work & keep his stores in.

I. I don't see why we should assume that plague will attack fewer women than men. Seeing that children will go with the women, I should say we should want more accommodation for women than for men, not less.

2/10/98

Enclosure 19

~~(4)~~

Municipality of Madras, General
Department, Madras, 28th September
1898.

28

From

R.E. Ellis Esq. M.Inst. C.E.,

Ag. President, Ml. Commission.

To

The Plague Commissioner,

Madras.

Sir,

notes by the Plague Commr.

~~With reference to para. 1 of~~ D.O. ~~No. 80 P d/ 5th Sept. 1898 from Mr. Tremenheere, a copy of which is enclosed,~~ 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.

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.

Enclosures 2.

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

(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.

This was apparently an omission by oversight.

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

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

(3) That the President should have power over scavengers and all sanitary staff up to say a class receiving Rs 15 pay a month in the manner provided in sec. 282 A (2) & (3) Madras Municipalities Act.

(Note) Regulation 28 Original Mufassal Regulation would not cover the requirement.

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

(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)

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 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 & conservancy staff, than to use entirly 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) & thus leave a large number of existing hands available for sanitary work.

Then instead of working on a basis of 20 units each with a Superintendent as Col. Moore proposed- it is now proposed to work on the existing basis of 7 superintendents over 8 divisions (two divisions are so small as to be worked with one head) and to add to these 7 superintendents ~~over 8 divisions~~ as requirements turn up 13 officers who will work as Assistant Superintendents and either work under the 7 superintendents or be given separate independent charges as may seem necessary. Vide proposal 17.

bring to this page.

This

(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 8 divisions now in charge of 7 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 objeect of allowing the Sanitary staff to do their legitimate duty:-

1. Supdt. of conservancy.	Rs 250
3 clerks Rs 45, Rs 25, Rs 15	,, 85
2 peons at Rs 7 each	,, 14
8 Conservancy Inspectors at Rs 100 each.	,,800
16 Conservancy Overseers at Rs 25 each.	,,400
1 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 30 additional night soil carts be made.

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take this to the previous page

This system of giving aid will cause less dislocation of existing arrangements than the scheme of Col. Moore's which made 20 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 20 to 7.

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.

Col. Temple who was suggested is a more expensive officer than is required. i.e. either in separate charge or to work under the 7 superintendents as Assistant Superintendents.

The great advantage of the scheme is that it falls in with the existing scheme in the city viz. 8 divisions under 7 inspectors as explained above.

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

38

(13) That the water main passing through the main sewer in Pophams Broad way be removed.

(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 DeMellows Road farm or burial ground 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 4 officers as Superintendents.

This arrangement will form part of the scheme approved in para. 2 of D.O. above referred to. The idea being to bring the number of officers up to 7 on some future day to correspond with the areas now under the 7 Inspectors and eventually if necessary to appoint 13 additional Superintendents to make up the 20 as proposed by Sir George Moore in his letter No. 145.

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

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

1. European nurse.
4 Dhoolie bearers.
1. Male totty.
1. Female totty.
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 totty
2 sweepers
Caste waterman if no supply is laid on.
4 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.

(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 sepoys at the immediate disposal of the President for the purpose of being trained in the duty of disinfecting and sick transport.

No.18. 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 Committee 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 ~~not~~ be able to get the equipment in a day or two when a case occures- what we want is to be able immediately a case occures to have a place (a private establishment) to send it to.

(20) This is very necessary.

(22) I have done this by letter to North Arcot, Chigleput, & 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.

(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 Sooriananarayana chetty street.

I have the honour to be,
sir,
Your most obedient servant,
(sd) R.E.Ellis,
Ag. President, Munl. Commn.

Local & Munl. (1898) Department.

CURRENT No. 1991 P

From
The Plague Commissioner.

For Orders

The Govt of India have not sent yet the further communication about Staff Corps officers promised in their ~~letter~~ telegram disposed of in G.O. No ~~[illegible]~~ 1096/17-8-96.

Lay 1/10/98 H.M.

Please see notes inside
H.T.
1.10.98

No. 31

Dated ~~30~~ 29. 9. 98
Received 30-9-98
Registered 30-9-98
Enclosures 2 3
Spare copies.

SUBJECT,

Submitting with marginal notes the scheme of the President, Munl. Commission, Madras, for the defence of the City of Madras

26

BACK PAPERS.

G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.

27

Municipality of Madras,
General Department,
Madras, 28" Septr.98.

From

P.E.Ellis Esq. M.Inst.C.E.,
Ag.President, Municipal Comm.

TO

The Plague Commissioner,
Madras.

See also separate note
HS
2/10/98

Sir,

The Ag. President Mun. Commission with the Health officer & Sanitary Commr sat on two days for about 4 hours on each day, discussing with me all these proposals - which are actually Dr King's proposals -
HT 29. ix. 98.

With reference to para 1 of D.O. No. 80 P dated 5th September 1898 from Mr Tremenheere, a copy of which is enclosed, 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.

Enclosures 2.

(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. A

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 - S. 44 enables the Presdt to appoint such officers as the Commrs think necy for the purposes of the Act. He could appoint in anticipation of their sanction. HT

(2) That Section 322 (Power to enter to abate nuisance) of the offensive or dangerous trades Madras Municipal Act be added to the City of Madras Plague Regulation 2. B

This was apparently an omission by oversight - Perhaps. I see no special necessity for it as regards Plague. When Plague is suspected, entry can be made under Regn 11. HT.

(3) That the President should have power over scavengers and all Sanitary staff up to say a class receiving Rs 15 pay a month in the manner provided in Section 282 A (2) & (3) Madras Dt Municipalities Act. C

(Note) Regulation 28 original Mofussil Regulation would not cover the requirement.

Rule 19 of the City of Madras rules is not wide enough to meet a general strike of the scavengers or latter movement -
The S. might be declared under the E. D. Act to apply. HT.

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

I am inspecting each camp & giving orders in writing after taking Dr King's advice. No orders required HT.
HS

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

With approval of P.C. H.T. HS

(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.

We are taking steps to get these personnel – They may prove to be very important aids. –

No orders required HS H.T.

(7) That each of the 8 divisions now in charge of 7 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.

This instead of the 20 places propd in the original scheme settles – May be left to P.C. HS

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

1 Supdt. of conservancy	Rs 250
3 Clerks Rs 45, Rs 25, Rs 15	85
2 Peons at Rs 7 each	14
8 Conservancy Inspectors @ Rs 100 each	800
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1 Clerk to Health Officer's establishment	50

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This scheme is a modification of the scheme originally submitted. Dr. King's idea seems sound, & is that it is better if possible utilising for Sanitary duties in connection with plague, the existing mixed Sanitary & 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) & thus leave a larger number of existing hands available for Sanitary work –

Then instead of working on a basis of 20 units each with a Supt. as Colonel Moore proposed – this now proposed to work on the existing basis of 7 Supts over 8 divisions, [two divisions are so small as to be worked with one head] & to add to these 7 Supt as requirements turn up 13 officers who will work

29

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An Asst. Supt. & either work under the 7 Supts 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 Col Moore, which made 20 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 20 to 7.

May be left to P. C. to arrange with Presᵗ. H. T.

D

This comes to closing a burial ground – Would like further particulars – HS

Proposals 9 to 16 may be left to P. C. & Presᵗ. H. T.
except as noted. I have asked to know what Chinese pumps are, but have not been answered – I daresay it is all right HS

These four officers who will be either Asst Collectors or Staff Corps Lieutenants & Capts are required at once to keep the Sanitary establishment up to the mark –

Col Temple who was suggested is a more expensive officer than is required – For orders. Please see SS. 41 & 42, & 45 as to salary payable by Commrs (Rs. 500 & 400.

D

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

(11) That 30 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 Pophams Broadway
be removed.

(14) That the area near the Slaughter
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The great advantage of this scheme is that it falls in with the existing scheme in the city viz – 8. Divisions under 7 Inspectors – as explained above –

D

No 18. This staff sh[oul]d 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 & have the staff & medicines ready to supply the wants say for a day or two, until the private Hospital Committee can provide for themselves: The ambulance staff will then be available for another case and so on. These local Committees cannot furnish & equip a Hospital before = hand – but they will, I think, take an empty house, & 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 –

E

(20). This is very necessary –
18. 19. & 20 are for the P.C.
H.T

21. P.C. sh[oul]d address S.G.
H.T

(22). I have done this – by letter to N. Arcot, Chingleput & Nellore.
no orders required
H.T

in the Isolation Hospital

day to correspond with the areas now under the 7 Inspectors and eventually if necessary to appoint 13 additional Superintendents to make up the 20 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 totty.
- 1 Female totty.
- 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	
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(22) That the Plague Commissioner be requested to draw the attention of all frontier Collectors to the importance of

81

keeping the Village Officers on the main lines of communication with Madras on the alert.

We considered the possibility of road frontier stations into Madras but traffic is so heavy & so much of it at night that it appeared impossible to be able to arrange any thing that would work –

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

23. For orders. H.T.
Not required at present, I think. [illegible] might be if plague were established in (any) N. Arcot
HS

(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.

(24)
I understand the idea is a general notification which the President will put in operation, where necessary, i.e. in infected areas. H.M. wanted the A.G's opinion. The file has gone to Madras. H.T.

The suggestion seems a good one, but perhaps H.E. will await A.G's opinion. H.T.

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

(25) ~~[illegible]~~
Dr. King is furnishing me with a handbill – No orders required H.T.

(26) That the Surgeon-General be directed to provide a Lady Doctor for inoculation.

26. This seems absolutely necessary –
P.C. 8th address S.G. H.T. HS

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

1. Open space at the back of H.I. Police Station, Tiruvattore 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. For P.C. H.T.

(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.

(28). 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
[illegible] Isolation Hospital

32

(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.

For P.C. H.I. BS

(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 Soorianarayana chetty street.

I have the honour to be,

Sir,

Your most obedient servant,

R. G. Ellis.

Ag. President, Munl. Commn.

At Kistnampet is a temporary Cholera Hospital which will be erected close by on an open piece of ground selected by Dr. King which we have seen & to erect in the Triplicane Hospital compound - a gosha shed for 6 patients & families - The pucka building there will contain 32 beds at a pinch for males & 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 - Mahommedan opinion is that if we are to succeed in removing Mahommedan female patients in the first instance we must have proper gosha arrangements a place near Triplicane. This osha Hospital will do very well. lera appears to be dying out now - & any case the Cholera patients be looked after at a new porary Cholera shed to be erected se by — I F

28. May

be left to P.C. H.I.

(31). I have made enquiries about this & will report further on the matter, if necessary & ask for sanction. No orders required H.I. 1.10.98

29. ix. 98

Await further report BS 2/10/98

[illegible] 8 of 1898

D. O. No. 80 P.

LOCAL AND MUNICIPAL DEPARTMENT.

GOVERNMENT OF MADRAS.

OOTACAMUND,
5th September 1898.

MY DEAR ELLIS,

With reference to the Demi-official correspondence ending with your letter G. No. 207, dated 15th August 1898, I am directed to request that a complete scheme for the defence of Madras against plague should be prepared as soon as possible, in consultation with the Sanitary Commissioner, and should be submitted officially for the sanction of Government.

2. The proposals made in Sir G. Moore's D. O. No. G. 145, dated 8th July 1898, for the division of the city into plague circles and divisions are accepted. The Government of India has issued orders that the employment of subordinate officials of the Police and Medical depts should be restricted as far as possible, that non-official native agency should be used, but that for supervision Europeans should be placed in the charge of small and convenient units. Nominal rolls should therefore be prepared of suitable men to fill all the supervisors and other subordinate posts. Among "Europeans" may be included East Indians of the better class.

3. It is presumed that all the plague hospitals mentioned in Sir G. Moore's D. O. of the 8th July 1898 have been fully equipped. If not, the omission should be supplied without delay. The Government does not think that the Armoury at the Native Infantry lines will do for the purpose of segregation. It might be improved by additional ventilation and used as a hospital. Each hospital must make provision for the treatment of persons of both sexes of each caste with due regard to caste scruples, and sheds must be ready for the Medical officers, nurses, menial servants, attendants and relations of the patients, and the guard. Thus the Hospital Assistant who now lives in Perambur must have quarters built for him near the Perambur Plague Hospital shed. In this connection, your attention is invited to Rules 19-24, pages 100 and 101 of the Madras Plague Regulations and Rules.

4. Similar remarks apply to segregation camps, *i. e.*, camps for the contacts and suspects. Attached to each segregation camp there must be an "observation ward," *vide* Rule 33. Like the Plague Hospital, each segregation camp may be on a limited scale, but it must be complete in itself and ready for immediate use.

5. Health camps need not be erected at present, but materials sufficient for erecting, say 100 sheds 12' × 10' should be *purchased* and kept ready near the sites selected. After consulting Sir G. Moore, the Government thinks that the following sites will do. Arrangements should be made for making them available

immediately when required, and where they belong to the Military authorities or to other Departments, permission to use them as Health camps should be applied for without delay through the proper official channel.

1. The Fort Esplanade.
2. The beach between the Fort and Napier bridge.
3. The shore between Fort and Harbour. This and No. 2 are sandy but the posts of the huts can be driven well down.
4. Pudupet plain.
5. The north-western corner of People's Park.
6. Spurk Tank if it does not get swamped during the rains. This should be ascertained.
7. Landon's gardens.
8. The vacant ground between the cricket pavilion and the site of students' Hostel.
9. The vacant site south of St. Thome' up to Quibble Island on the west of the road.

The above list is exclusive of the 3 sites already marked on the map.

6. It should be ascertained to what extent the inhabitants of Madras will provide their own hospitals and camps and take part in their management. They should be encouraged to do this, and you should let it be known that the Government will be prepared to help them with grants-in-aid. The Government will allow them as much liberty in this respect as possible, provided proper men are forthcoming to manage the camps. If they come forward to erect their own sheds, suitable places should be shown to them and full directions given as to the way the huts should be built.

7. The Surgeon-General has been asked to start inoculation in Madras should people desire it. Every facility should be given to them to get themselves inoculated.

8. For each group of say 50 houses a resident of the locality should be selected for the purpose of daily reporting arrivals and departures and all cases of plague or suspicious fever. This person may with advantage be one employed under the Government, the Municipality, a Railway Company or a large Firm.

Yours sincerely,
(Sd.) H. TREMENHEERE.

Forwarded to the Commissioners with reference to the Adjourned Special Meeting to be held on Tuesday, the 13th September 1898.

MUNICIPAL OFFICE,
MADRAS, 10*th September* 1898.

R. E. ELLIS,
Ag. President,
M. M. C.

THOMPSON AND CO., PRINTERS, MADRAS.

1898

28

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 Childrens' Hospital and is admirably suited for the purpose. Seven temporary sheds have been erected on the existing masonry platforms, 4 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:—

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

? What does this mean
M

2

(2.) *Perambore Hospital.*—This Hospital is intended for patients that may be found in the train or who may develope 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 10 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 pasengers at Perambore is as under.

1.	V. Bashiam Mudaliar	... Special Sanitary Inspector.	Platform duty.
2.	V. Krishnasawmy Pillay	... do Overseer.	
3.	Seetharam Iyer	... do	
4.	Abdul Rahiman	... do	
5.	V. Vadivelu Mudaly	... Hospital Assistant.	
6.	K. Shiva Rao	... do	
7.	Y. Rungasawmy 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.

36

Plans shewing 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′ × 24′ raised 1′ off the ground, with verandah to accommodate 5 patients of each sex	360
2 latrines 8′ × 6′	100
2 bathing places 8 × 6	100
2 servants sheds 40 × 10 divided into compartments ...	120
1 shed for friends of patients divided into compartments 40′ × 10′ with verandah	70
3 sheds for Nurses and Hospital Assistants with verandah—cook room and bath room	120
1 cook room for patients 12 × 6	100
1 Mortuary	15
Water-supply depending on the site say	500
10 cots	100
	Rs. 1,225

Say 130 a patient.

Municipal Office,
Madras,
21st September 1898.

R. E. ELLIS,
Ag. President, M. M. C.

THOMPSON & Co., PRINTERS, MADRAS.

Read the following papers.—

G. No. 349 37

MUNICIPALITY OF MADRAS,
General Department.

Madras, 28 September 189

From R.E.Ellis Esq. M.Inst.C.E., 18
~~Lieut. Col. SIR GEORGE MOORE, Kt., C. I. E.,~~
Ag. President, Municipal Commission.

Plague Commr's. Office
No 121

(1)

To

The Sanitary Commissioner
to the Government of Madras.

Sir,

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.

Enclosure.
1

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

C No 1991 P

No 31 d/30.9.98

I have the honour to be,
Sir,
Your most obedient servant,
R. E. Ellis
Ag.President, Munl.Commn.

(3)
Submitted to Government with marginal notes—as the briefest way of giving what explanation appears necessary.

M. Hammick
P. Commr
29.9.98

(2)
Forwarded to the Plague Commissioner
W. G. King
Lt. Col
San. Commr for Madras
28/9/98.

88 1

LOCAL AND MUNICIPAL DEPARIMENT.

Again G.O., dated 189 , No.

~~Current~~ D.O. No. 66 of 1898, dated 2-5-98 from the Privati Secy

Current No. of 189 , dated from the

SUBJECT.

Plague arrangements.

H.M.
for perusal of
H.E.'s remarks
Lery
10/5/98

BO
11/5/98

FOR ORDERS.

The Office is requested to send me a copy of this Note and of all papers referred to therein, for my personal use.

A.S.H.
10.5.98

(1)

Regulation 17 of the Original Mufassal Regulations provides for the observation of passengers arriving from infected areas, and from the replies to a circular recently issued, it is found that almost all over the Presidency, people from infected areas whether coming by railway or by sea are, as a matter of fact, kept under observation for a period of 10 days. This system ensures the prompt intimation of any case of plague in the Presidency, should it unfortunately occur. Detailed rules are × being drawn up with view to perfect this system.

They passed me yesterday

BO

× Since issued in G.O. No 466P
d/13-5-98.

obtaining the services of military officers

Considerable experience. This

2. Railway inspection Stations are maintained at

(a) Hospet under the Charge of Surg Capt Pereira

(b) Tungabhadra under the Charge of Surg Major Hakim

(c) Kondapalli under the Charge of (a) (not known)

(d) Arkonam under the Charge of Dr C.S. Langley

(e) Podanur under the Charge of an Asst Surgn. Govind Sing

(a) Hon Lieut Surgeon [illegible], as since reported.

Senior Asstt Surgeon Gillam, v. p. 100 of the last Medl. List

At all these Stations all passengers ~~proceeding towards~~ coming from plague ~~[illegible]~~ infected parts are subjected to a ~~very strict~~ medical Examination and if any is found in a suspicious State of health, he is detained till declared free from plague or infection of plague. Similar medical inspection ~~he~~ is made at ports in the case of arrivals by sea by the local medical officers.

At Hospet and Tungabhadra through which the approach of plague is most feared just at present, Steam disinfecting apparatus has been ordered to be set-

Will be set up today at Hospet & probly within next Saturday at Tungabadra ⊗
HT
7.5.98

⊗ despatched to Tungabhadra on 30-5-98. (Che 856 P of 1898.)

+ or for any other place where it may be required (G.O. No 511 P d/25-5-98)

‡ also the Collr of Ganjam (G.O. No $\frac{566 P}{11-6-98}$)

Set up for disinfecting in a thorough manner the luggage and personal effects of passengers. A third apparatus is being got ready for Kondapalli +.

3. A scheme prescribing (a) the measures to be adopted ~~[illegible]~~ when plague imminently threatens any area and (b) those to be adopted when it actually breaks out has been elaborated and kept ready for being enforced at a moment's notice where needed. The first portion of this scheme has been now in force for over a month in the frontier districts of Bellary and Kurnool, and the Collr ‡ of Kistna has been warned to be ready with proposals for introducing it in his district.

In Bellary Dt the whole of the frontier extending over 160 miles and in Kurnool a portion of the frontier to the extent of about 70 miles have, to a depth of 20 miles, been placed under Observation under the above scheme, and are being specially watched

watched by
32 Plague Inspectors
8 Plague Supervisors } in Bellary Dt
14 Plague Inspectors
3 Plague Supervisors } in Kurnool

Persons crossing the frontier are either detained with their families and attendants if suspected of plague, or provided with passports(a) binding them to present themselves for daily inspection for ten days before a Police Station House Officer or a village headman. There are 16 stations, each on a frontier road, in the Bellary Dt and 8 in Kurnool, at which passengers are thus detained or provided with passports. Each station is in charge of a Hospital Assistant & is provided with medical stores & equipment and sheds for hospital and segregation purposes.

Crossing, that is, at as many frontier Inspection Stations as Govt. has been able to afford. H.T.

(a) This passport system has now been extended to all persons coming from infected localities, whether by rail or road, or boat or steamer – G.O. No. $\frac{466\ P}{13\text{-}5\text{-}98}$

An additional medical officer has been posted to each of the three frontier ~~two~~ districts — Dr. J. W. llingworth to Bellary, ~~and~~ Dr. S. S. Nightingale to Kurnool, and Dr. Lusk to Kistna. All ~~Both~~ are temporary doctors lately

---

obtained from England.

4. Surgeon Major Bannerman is now in Madras. He returned on the 21st April after studying for about 9 months in the Bombay Presidency the several aspects of plague administration. He has been specially trained under Prof. Haffkine in the methods of inoculation and the manufacture of the prophylactic. He has just been deputed to inspect and report on the plague preventive measures in Bellary and Kurnool, and also to make a beginning in the way of inoculation by operating (with their consent) on the plague preventive staff in those districts. A stock of prophylactic, sufficient ~~of~~ for 5,000 persons,(a) and 20 syringes are now available, and a supply of these has been ordered to be sent to Bellary and Kurnool. Dr. Bannerman has been instructed that when carrying on inoculation in those districts, he should associate with himself ~~as many~~ the medical officers on duty ~~with~~ therein, so that as many

This was drafted before India ~~wrote~~ applied for Dr. Bannerman. H.T.

I thought it was for 500 only, but see that in his letter in G.O. $\frac{359\ P}{19.4.98}$ Dr. King says enough for 5000 have been arranged for – Whether this stock is in B'bay or Madras does not appear – If in B'bay, it had better be transferred to Madras.
[illegible] A.A.H.

(2)

(a) Dr. Bannerman brought this quantity with him from Bombay. More stock is in Bombay & the S.C. has been asked to transfer it to Madras. G.O. No. 472 P dd 14-5-98 & memo filed with it).

many competent persons as possible may be acquainted with the method of performing the operation.

S. G. has been asked to issue a circular to Dt medical officers instructing them as to the method of performing inoculation —

5. Each Municipality has provided for itself on a small scale accommodation for plague hospital and segregation purposes. At the following places, accommodation on a larger scale has been kept ready:—

Name of place	Hospital accommodation for	Segregation accommodation for
Hospet	3 Europeans 10 natives	3 Europeans 50 natives
Tungabhadra	10 Europeans 16 natives (with quarters for relations & attendants)	10 Europeans 145 natives
Kondapalli	4 Europeans 8 natives	4 Europeans 36 natives
Arkonam	4 European 8 natives	4 Europeans 16 natives
Podanur	not known	not known
Jandrapeta Road inspection Station in Kurnool	16 natives	48 natives —
Each of the other road inspection stations	3 natives	12 natives

It doesn't much matter about Podanur. The arrangements there were intended to catch people coming down from B'lore to West Coast ports & those moving into the South of the Pres'y. But the risk of any such movement is now small. BD

The Camp at Tungabhadra, which includes quarters for staff and sheds for

disinfecting purposes has cost about Rs 25,000.

6. As regards the town of Madras, the Health officer reported on the 2d July 1897 that the following arrangements had been made:—

(a) that Rs 6,404 had been spent on coolies to flush drains;

(b) that Rs 4,055 had been spent on the purchase of medicines, furniture, disinfectants & stores, &c;

(c) that eight spray disinfecting machines had been obtained from England at a cost of Rs 3,152;

(d) that four Carter's hand ambulances on wheels had been purchased for Rs 1049;

(e) that the following accommodation (with staff and limited equipment and stores sufficient to make a start with) was kept ready and placed in charge of the District Surgeons—

Locality	Hospital accommodation	Segregation accommodation	Staff.
1 Black Town — Native Infantry Hospital & lines & Sheds.	~~26~~ 90 persons	~~100~~ 115 persons	1 Apothecary 7 Watchmen 1 Cook 1 toty.
2. Perambore — 1 house & Sheds	40 "	25 "	1 Hospital Asst 1 watchman 1 peon.
3. Egmore — Old Women & children's Hospital & Shed	80 "	—	1 watchman
4. Cassimode — Sheds	20 "	—	
5. Kristnampet —	20 "	18 "	2 watchmen
6. Vepery high road — Sheds —	—	30 "	2 watchmen. Special Staff 1 Sanitary Inspector 2 Overseers 2 peons 2 watchmen 4 Coolies
Total	250	188	

Reply to an inquiry President writes 25 more sheds have been built [illegible] 5 places [illegible]

The accommodation at the above places is reported to be capable of considerable extension in a short time by running up more sheds. The Municipality having declined to purchase a steam disinfector, one has been sanctioned for the port of Madras at a cost of Rs 4,250.

7. Fortunately, plague has receded from the Kurnool frontier since that district was placed under observation, and ~~there~~ there is no plague now in H. H. the Nizam's Dominions except in the Naldurg district (north east of Sholapur) where it continues in a sporadic form and where there were only 1 attack and 2 deaths during the week ending 25th April 1898. Should therefore a case of plague occur in any other part of the Presidency, the additional medical officer with the ambulance staff and a portion of the staff of Plague Inspectors in the Kurnool Dt may without any great risk be withdrawn and sent at once to the infected places to work under the immediate supervision of Dr Bannerman and of the Plague Commissioner if one be appointed.

~~(Appearance of plague in Hyderabad City - vide Madras mail of the 5 May - alters this para)~~
(Contradicted by Mr Plowden)

From 20 May, Hyderabad is reported to be free from plague.

8. As to the appointment of a Plague

Plague Commissioner, the Hon Sir Henry Bliss has proposed to adopt the Bombay arrangement which seems a very convenient one. The Hon Mr Wingate was appointed Plague Commr for the Bombay Presidency on the 23-10-97. His first duty was to visit the Chief centres of infection and reorganize measures where the existing arrangements appeared to him defective, and for this purpose he was given full power to act on his own discretion, to entertain Establishments, effect transfers of officers, &c in anticipation of the sanction of Govt. When he had by personal inspection ascertained the details of the measures in force in the various districts infected with plague, it was considered that his appointment as Secy in charge of the Plague Branch of the Secretariat would reduce unnecess Correspondence and simplify administrative machinery, and he therefore assumed the duties of

Officer is on leave at present but

of Secy to Govt in addition to those pertaining to his appointment as Plague Commr. In this latter capacity he pays occasional flying visits to badly infected areas and corresponds with district officers regarding detailed arrangements and measures which would not in the ordinary course come before Government, but which it is obviously convenient should be within the cognizance of the officer immediately responsible for plague administration.

These duties would give full work to one officer.

9. When the Additional Mufassal Regulations prescribing the scheme referred to in para 3 were issued, the President of the Municipal Commission Madras was asked demi-officially if any of them suggested to him the need of extended powers in the City of Madras. In reply he applied for power to require certificates of the cause of death signed by a medical officer or any person authorized by the President in writing to grant such

D.O. No [illegible] d/ 3-3-98 — D —

---

such certificates. No action has been taken on this paper as the Government of India has promised to send a communication on the subject of inspection of corpses, which is awaited.

I do not think India will address this Govt. again on corpse inspection. It accepted our rule with the following remarks, & it will now have to be determined whether the rule 8ed be extended to Madras City. X

× Additional Regn. 16.

"When he has sufficient medical staff at his disposal to secure immediate inspection, so that there may be no chance of funerals being delayed, the Collector may order in respect of any particular area or of any class within such area, that the certificate of a medical officer shall be obtained showing the cause of every death within two hours after such death.

After the issue of such an order, if a burial or cremation takes place without such a certificate having been obtained, the death may be presumed to have been due to plague and the persons believed to have been in recent immediate contact with the corpse shall be liable to segregation and detention."

Remarks of the Govt of India on the above rule

The Government of India have no doubt that Govt of Madras fully realize that recent experience in the Bombay Presy has shown that any system of corpse examination is dangerous and requires the exercise of great caution and judgment. The Govt of India observe that the Collr is not empowered to require the production of the certificate unless he has a sufficient medical staff at his disposal to secure immediate inspection, so that there may be no chance of funerals being delayed. The Govt of India consider this to be a very wise precaution and must absolutely precede the consideration of the question whether corpse inspection in any form can be introduced at all. They are further of opinion that it is necessary that the Collr. should also have a sufficient staff of female assistants for the prompt examination of all corpses of women. The examination of the corpses of women by men should never be required. In the second part of rule 16 of the rules issued by the Govt of Madras, it is stated that if burial or cremation takes place without a certificate of the cause of death having been obtained

(G.O. No 330 d/ 14-4-98)

These remarks have been sent to all Collrs

Resubmitted for favour of orders on the question raised in para 9 (pages 10 & 11) of the office note.

My own opinion is that we shd. extend addl. Regn. 16 to Madras City — but of course I know it is a risky & debateable point which has given rise to trouble elsewhere — India, however, does not negative the idea but only urges caution in working the rule & the necessity of female inspection of female corpses — I think ∴ we may extend the rule, with India's cautions added if they have not already gone to the Prest. of the M. Munl.

Lumy 19/5/98.

Officer is on leave at present but

obtained, the death may be presumed to have been due to plague and the persons believed to have been in recent immediate contact with the corpse shall be liable to segregation and detention. In the event of it ever becoming necessary to enforce the provision of Rule 16 anywhere in the Madras Presidency the Govt of India consider that it should be made clear to the people that the examination of corpses will never be compulsory, and that they may always accept the alternative of the enforcement of the precautions adopted in the event of ascertained cases of plague."

We might, however, wait a few days to see if any of the Native gentlemen who have been asked about the Regns fasting on this point. In any case, show H.E. before issue of any order.

HS
23/5/98

No reply having been recd, a reminder was sent on the 14-6-98 under instructions from H.E.

[illegible]
14/6

I don't know about this. No doubt it wd be better to have Dr Bannerman with us, but there must be plenty of doctors who are accustomed to hypodermic injection, which is the same thing.

HS

I think we should make sure.

A.H

(3)

(3) received with Chs. 894P. spare copies asked for for [illegible]

telegraph for A. H.

yes.

A.H

(4)

L & M.
[illegible]

H.E. The Governor

H.T.
9-3-98

NOTE FOR THE H.M.

10 Please see the enclosed note dated 2nd instant from the Private Secy, making enquiries on certain points connected with Plague, on behalf of His Excellency.

11 2. (a) Have we everything ready to meet Plague shd it enter the Presidency?

The Presidency may be divided into three parts (i.) Districts Under Observation. (ii.) Other Mufassal Districts. (iii.) The Presidency Town.

13. (i.) Districts under Observation.

These are Bellary & Kurnool. There is a good state of preparation here. A strong Sanitary force can speedily be concentrated on any point, & their action has been clearly laid down in the Addl Regns of 26.2.98.

14 Means of inoculation will be wanting now that Dr Bannerman has been lent to Calcutta; & Dr Lawrie of Hyderabad has not yet sent us the plan of the Kiln in which dug-up floors are burnt; but with these

exceptions all seems satisfactory.

E./14 Other Mufassal Districts.

These have only the ordinary District Staff to meet an out-break of Plague; and the Municipalities have small Plague Hospitals & Segregation Sheds, with disinfectants & medi-cines.

Special measures have been since ordered to be taken for the protection of the Pilgrims (Ext 20

E./15 As Plague approaches our borders, the border districts will be placed under Observation; that is, the Staff will be increased & trained. If Plague sh^d break out before a district is placed under Observation, it will be necessary to pour Medical & Sanitary officers into it from surround-ing districts, or from wherever they are available - perhaps, that is, from the Districts under Observation. At present how-ever it cannot be said that these districts are equipped fully against an outbreak of Plague; it can only be said that Gov^t & the Executive of these districts are on the alert. To put the whole Pres^y into

5 ✓ a complete state of equipment so as to be able to deal with anything more than isolated cases of Plague, would be ruinously expensive. It seems enough to take action pari passu with the approach of the pestilence.

Impossible
HS
Hu. A.9.H

7. 16 The Presidency Town.

This has sufficient staff & equipment to deal with a moderate outbreak of Plague. That is to say, it could deal with a considerable number of sporadic cases; but to deal with a severe epidemic, no doubt a great deal more would be required. Until lately, there was accommodation for ~~of~~ 250 Hospital Patients, & about 190 Segregated. 25 more sheds have since been built, whether for Hospital or Segregation is not yet known.

I think this is enough for the present
HS

Sir Geo. Moore, who is here, will, I presume, see Sir H. Bliss about the arrangements made or to be made in Madras.
A.9.H

(5) ~~He~~ has done so & tells 17 me that every requirement the doctors have laid down for plague hospitals in Madras in the way quinine &c it has been complied with. He has 2 Asst Surgeons & 6 or 7 Hospital Assts actually present. However he intends seeing H.E. before he goes down
HS
11/5/98

8. (~~6~~) If Plague comes, to what extent will the Secy L & M. need to be relieved of his other work & who will do that work.

Please see para. 8 of Office note. It is suggested that, following Bombay, a separate Secretary should then be appointed to a Plague Dept. with powers of a Plague Commissioner.

(c) Are the two hospitals in Madras which, it is believed, have been set aside for plague, fully equipped?

No. There are hospitals in five places, but each has only a "limited equipment sufficient to make a start with." Presd. letter of 6 July 97. G.O. 1593 M. / 13 July 97

Col. Sir G. Moore comes on Tuesday 10th to discuss Plague arrangements with H.M.

19. (d) Are the doctors who will attend to them in readiness?

The Surgeon Genl.'s D.O. of 7 May shows that there are only two Asst. Surgeons for these Hospitals. There are no doctors in the usual sense of the word, set apart. There are only the district Surgeons

A Plague Comr. will certainly be needed — Distant as Ooty is from the places where, if at all, the Plague Comr's duties will chiefly detain him, I don't see how he can act as Secretary also — But as there won't be any details coming up to Govt. there will not, I should say, be more Secretarial work connected with plague than the Sec. in the L. & M. Dept. can deal with 18

AS

I agree that we shall need a ~~Plur~~ Plague Commr., if the disease breaks out in this Presidency as formerly; but I am convinced the Plague Commissioner should not be Secretary as well. The Commr. must be a travelling officer, ready to dash off to any point of danger — there to inspect, prompt, encourage, pacify &c. If he is made Secy., he will be tempted to sit down in Ooty and write Notes. I agree that the Sec. L & M. Dept. shd. deal with all Secretariat work wh. may arise. A. 9.7

H.E. is coming up, but not specially, I think, to discuss plague arrangements — However we shall of course consider them

AS

5 4 7

20. (e). Have we a reserve of doctors to send to any particular district which may need them?

No. The ten men specially brought out are fully employed.

One is dead & one in Bbay out of the ten. Altogether I judge that we can raise 4 or 5 doctors by denuding the districts as we have had to do during the last 6 or 8 months
B.S.

Probably. A.S.H.

~~12.~~ 21. (f). Is there likely to be need of Junior Civilians or Deputy Collectors being put on special duty to help?

This is rather a certainty than a likelihood.

B.S.
A.S.H.

~~13.~~ 22. (g). Have we got a good supply of lymph for inoculation in the Presidency, & men who understand administering it?

We have enough for 5000 persons. It is believed Surg. Major Capt. Bannerman is the only man who knows how to administer it, & he is going to Calcutta.

I think not. See above
B.S.

We should make sure, for Dr. Bannerman is going or has gone to Calcutta.
A.S.H.

~~14.~~ 23. (h). Is Cornwall in Madras? If not, are steps being taken to get him & Bannerman back again?

2. pm

obtaining the services of military officers

53 ~~18~~

Cornwall is in Madras. Bannerman was got back but is being sent to Calcutta. The telegram saying so has not yet gone to India.

I should order him to Calcutta at once

GH

A.44 Telegram will [illegible] [illegible] 8/5/98

~~15~~.24 If Govt. could afford the money, it would be a good thing to have hospitals for 200 patients fully equipped & staffed in Madras (when I say staffed, I mean a staff told off for special work, though meantime employed elsewhere); but no doubt full arrangements will be made with Sir J. Moore on Tuesday next.

Where are the men?

GH
8/5/98

A.44
10.5.98

16.25 When H.M. has seen this note & the office note attached, they will be sent to His Excellency as an answer to the enquiries made in the P.S.'s note.

H.T.
8.5.98
2 pm

56

27

Supplemental note regarding Plague Hospitals in Madras Municipality.

26 There is hospital accommodation at five distinct places, but the two main hospitals are at

(1) Black Town – Native Infantry Hospital lines and Sheds, for 90 patients.

(2) Egmore – old "women and Children's" hospital, for 80 patients.

2.27 Medical officers – These two hospitals are at present under the supervision of the Surgeons, 1st and 2d Districts, respectively. A temporary Civil Assistant Surgeon is in subordinate charge of each. The Surgeon General is of opinion that the plague hospitals could work all right under the Dt. Surgeons until they commenced to fill up, and that a specially selected Commissioned officer should be placed in charge of each hospital when plague became epidemic – extra officers to be obtained as required by withdrawal from less important Dt. charges, by application to the Govt. of India or

Note for ~~Judicial~~ Head clerk, Public Dept

Please say when the order will be Communicated to this Dept.
7/7/98

There is nothing in Judl. about this. Please ask the Public Dept.
7/7/98.

This had better be one issued the order in Judl. about Infectious Hospitals in Madras.
20/7/98.

r from England.

28. ~~Equipts~~ Equipment.

12 cots with the prescribed equipment have been provided for ~~each of the~~ the Black Town ~~two~~ hospital as detailed below:—
The President has promised to equip similarly the other hospital also.

For plague patients

1 European male
1 European female
1 native caste male
1 native caste female
1 native non caste male
1 native non caste female
6

For persons under segregation

Same as above.

This scale was prescribed at a ersonal Conference between the Dy. urgeon, Surgeon General, and ~~probably~~ the President of the Municipal ommission held at Egmore on the 7-11-97. In his D.O. d/ 14-5-98, the President writes—"It was greed between the Surgeon General nd myself that a temporary quipment, capable of rapid xtension, was all that was equired. I see no reason to uppose that the plague will reak out with a rush, as it were".

Staff of servants. The following le was laid down at the Conference mentioned

---

mentioned above

(1) Surveyor on Rs 25-30 - to be employed when required.

(2) 1 caste cook,
1 caste waterman,
2 trained male ward attendants,
1 ~~f~~ trained female ward attendant
1 sweeper
} to be engaged at once.

The above staff (2) is reported to be maintained in the Black Town hospital, and is presumably also maintained at the other hospital.

5. ~~(4)~~ 30 Nurses and subordinate medical Staff. On the 15-10-1897. the Surgeon General wrote to the President "I concur with your Health "officer that an adequate staff, "medical and nursing, will have "to be appointed if there is "work for them to do, but do "not see the necessity of the "Commissioners expending "large sums because there "has been one imported case. "I can send you more civil "apothecaries or temporary Civil "Assistant Surgeons and with a "male and female ward attendant "one caste Cook, one caste ~~cook~~ waterman

ties, male and female."
ith regard to nurses, it was
rranged at the Conference
hat they should be employed
hen required. But Mrs Nisbet
aving informed the President
hat they were difficult to get &
hat she doubted whether they
ould be obtained on an emergency,
t Surgeon of the 2nd Dt was authorised
n the 23-3-98 to get 3 nurses
n a salary of Rs 50 or more
nd to furnish rooms for them
t a cost of Rs 80-100.

~~C.No 949 P received gives the following~~ par

. The strength of the Subordinate
edical Staff on plague duty
t present in Madras is not
nown. In his letter recorded in
0. No 2458 M. dd 8-11-97. the S.G.
eported that he had lent 1 Asst
geon and 9 Hospital Assistants
the Madras Municipality for
lague work,

Hospital and Segregation
ccommodation. The details of this
ll be found on page 7. The H.M.
said that it is enough for the
resent – vide page 15.

6.20

---

32. C.No. 949 P received on 27-6-98 gives the following particulars as regards Staff.

		Rs
Washermanpet	1 Medical officer	200-0-0
	1 cook	8-0-0
	2 male ward attendants	20-0-0
	1 female ward attendant	8-0-0
	7 watchmen (Rs 6)	42-0-0
	1 toti	7-0-0
		285-0-0
Vepery	2 watchmen (Rs 6)	12-0-0
Egmore	1 Asst Surgeon (Rs 60 allowance)	160-0-0
	1 Hospital Asst	35-0-0
	2 nurses (Rs 70)	140-0-0
	1 peon	7-0-0
	1 cook	8-0-0
	2 ward boys (Rs 7)	14-0-0
	2 watchmen (Rs 6)	12-0-0
	1 toti	6-0-0
		382-0-0
Kristnampet	2 Hospital Assts (35 Rs)	70-0-0
	2 peons (Rs 7)	14-0-0
	2 watchmen (Rs 6)	12-0-0
		96-0-0
Perambur	1 Sanitary Supt	90-0-0
	1 overseer	60-0-0
	1 Hospital Asst	35-0-0
	3 peons (Rs 7)	21-0-0
	3 watchmen (~~Rs 7~~)	20-0-0
	1 toti	5-8-0
	4 Coolies (As 4 a day)	30-0-0
	6. Hospital Assts (Rs 35)	210-0-0
	1 Asst Health Officer	225

Subd
L.M.J.
13/7/98.

Subject

Plague arrangements in Madras town.

The only suggestions I have to make are (1) that where the area to be covered is small one Supt. might easily look after 2 or 3 wards, at all events at first; and (2) that the Health Camps should, if possible, be in more central positions — Why, for instance, should there not be one on the Island? It will be terribly inconvenient if Health camps are to be so far away from the people's houses, from the market & shops, and, it may be added, from supervision — Please ask Sir G. M. what he thinks.

H.S.
16/7/98 –

H.E. The Govr., in continuation of the previous note.

H.T.
19-7-98

Seen
A.SH
23-7-98

~~[illegible]~~ Further note.

33. In D.O. No 31 P. of 18-6-98, the President, Municipal Commission, Madras, was informed that it would be advisable to divide the City of Madras into circles for the purposes of plague administration, and he was requested to send for the information of Government a map of Madras showing

(1) the circles with head quarters,
(2) Plague hospitals,
(3) Segregation camps
(4) Sites suitable for Health Camps.

His reply has just been received (D.O. No 122 of 1898).

2. 34. The City comprises 20 wards each containing a population of about 22,000. The President would place each ward under a Supt, who should be a Military Officer, Civilian or Volunteer from one of the Government services. Under each Supt, there would be 2, 3 or 4 Supervisors, who should be active and trustworthy me[illegible] acquainted with Tamil and En[illegible]. Under para 3 of the Govt [illegible] India Resolution printed on page 3 of

of G.O. No 396 P. dd 27-4-98, all the Superintendents must be Europeans. The Supervisors may be respectable natives in accordance with the wishes of the native Gentlemen recently consulted about Plague Regulations.

35 Each Supt will have his office in the central part of his ward, where stores, disinfectants &c will be kept, and where the Supervisors would meet daily to muster their Camps, and to take orders.

36. The map is clear and an explanatory memo is attached to it.

H.M. for informn.
H.T.
15.7.98

The arrangements seem enough for the present
H.

37 A reference was made to the President M.C. Madras as ordered by H.M. on ~~[illegible]~~ page 28 and his reply received today is Fl. O submitted for orders—
6/8/98.

H.M. I am inclined to think that the establishment of a Camp on the Island need not be pressed for the present.
H.T.
5.8.98

It is quite true that the island gets swamped during the rains, but I don't think the Fort Esplanade N. of the Cooum does. I still think we ought to have health camps in as central positions as possible, for if people have to go long distances to their work it will be a great aggravation of the grievance of

being turned out of their houses— The Pudupet plain wd. do for one health camp & I think there should be another on the Esplanade— Another site might perhaps be on the beach between the Fort & Napier bridge. Then there is a large piece of vacant ground between the cricket pavilion & the site of the Students' Hostel. With Health Camps at these places, Black Town Chintadripet & Triplicane wd. be pretty well provided for. But there should be a Health Camp handy to ~~Triplicane~~ Mylapore & St. Thomé. Perhaps the Hon. Mr. Arundel could suggest a site & wd. advise on the question generally. I don't of course mean that Health Camps ~~[illegible]~~ need be formed at once, but we should know where we intend to form them and should be sure of materials being forthcoming when required— Are we sure about materials? What quantity can be got at once, i.e., in (say) half a day?

9/8/98

Enquiry already made— vide Flag B

X

Send D.O. to Pres. Corn. sent 10/8/98

The Hon. Mr. Arundel,
H.T.
10.8.98.

I think the health camps ought to be as central as practicable.
The Fort Esplanade north of the Cooum is dry. Other suitable places would be the shore between the Fort & the Harbour. People's Park for N. Black Town— I think there is a long piece near the canal that might do. The Spur tank— this also hardly ever gets swamped towards the west.
There are vacant places south of Triplicane south of I.G.P.'s office, south of Mylapore but I am not sure which of them wd. be suitable. Sir G. Moore could be asked about all.

11.8.98

Z

D.O. to him
H.T.
12.8.98

29-8-98

38. As ordered on previous pages, enquiries have been made on the following matters—

(a) What accommodation is available in Madras for medical staff, nurses, menial servants, contacts and friends of the patients at the several Plague patients?

(b) What quantity of material will be readily available for sheds?

(c) Suitability for Health camps of the various sites suggested by H. M.?

H. M. I am sorry to say I know nothing about most of these quarters of Madras, & local knowledge is necessary to determine the questions. If it be soon decided that a Plague Commr. is necessary, he might draw up a scheme for the defence of the town. H. T.

39. With regard to (a), Mr. Ellis, the Ag. President writes as follows:—

"Old native Infantry Lines and Armoury — There is room for the Asst. Surgeon but no quarters for nurses, contacts, friends and relations of the sick; but provision could easily be made in all these, if ~~necessary~~ necessary, in the open parade ground, but it would be far better to partition off the armoury for segregation cases and menial servants, as it is quite unsuitable for the treatment of plague patients. Sheds for plague patients and nurses could be erected in the parade ground.

I don't care whether they use the armoury for a hospital or what — the thing is that they must have hospital & the other buildings ready. Ask Prest. to consult the San. Commr. & make arrangements. No doubt the Armoury can be improved by addl. ventilation for use as a hospital & the other buildings should be run up to such a small extent as will do for a beginning. HS

This is rather awkward, since the permanent Prest. selected or approved it.

HS The armoury seems a bad place for the segregated etc. It is much easier to meet caste scruples in a camp.

Unless houses can be ~~[illegible]~~ rented for them, accommodation for the nurses should be built. H. T.

Better build than hire hurriedly — also the qrs. of Health officers HS

"Perambur hospital shed is intended only for Railway cases & there is only accommodation for [illegible] patients. The Hospital Asst. lives in Perambur. Contacts and friends would have to go to the "detention sheds."

Quarters should be run up for him. H. T.

HS

"Egmore hospital. Accommodation is provided as under—

"One house for Asst. Surgeon;

"one room for the Hospital Asst.;

"one room for two nurses;

"five small rooms for menials."

See 7 & 8 on plan. They seem to be abt. 1/4 mile apart. Rather far, but may stand. H. T.

HS

The attention of the President has been already drawn generally to the instructions about Plague Hospitals and Camps printed on pages 97—112 of the Plague Pamphlet, and paras 19-24 & 32 & 33 of these instructions may now be specially brought to his notice.

HS H.T.

40. As regards materials for sheds, Mr. Ellis says — "There is enough material in Madras to erect 100 sheds 12'×10', and material could be obtained to erect about 1200 sheds a month".

I think he should buy & keep ready enough material for (say) 100 such sheds — HS

41. In addition to the sites for Health Camps selected by Lt. Col. Money, ten new ones were suggested by the H. M. and referred to him for remarks. He comments as follows on each of them in his D.O. of the 24th ~~August 1898 — with Hay~~ :

"(1) The Fort Esplanade. An excellent site

site except for its proximity to a very crowded part of the City. It might be difficult to prevent spread and ingress.

Reference will have to be made to Military for all parade grounds etc selected. H.J. Please make it

HS.

(2) The Pudupet plain – Most Excellent site – somewhat cramped – surrounded by Eye hospital, Police and transport lines and European dwellings.

It is for a health camp, so this does not so much matter

HS

Will do

HS

(3) The Beach between the fort and Napier's Bridge. The difficulty would be the foundations for the huts – they would not stand in the sand.

Perhaps between Fort & Harbour? H.J.

It is easy enough to drive posts well down

HS

(4) The vacant ground between the Cricket Pavilion and the site of the Students' Hostel – Suitable site but for proximity to public buildings and P.W.D. quarters.

This does not so much matter for a health camp HS

(5) The Shore between the Fort and Harbour. The difficulty in (3) obtains. Otherwise no better site than all along the beach could be found.

I fancied that was much grass. H.J. See above

HS

) People's park (the portion adjoining the Canal) – very suitable, but I think the north western corner almost preferable.

HS

) ~~Spur~~ Spur tank – may probably be under water in Octr ~~[illegible]~~ + December otherwise, no better.

Does the west end get too [illegible] H.J. Please make enquiries

HS

-) Vacant places, south of

Triplicane, South of the office of the I.G. of Police and South of Mylapore. It will be difficult to get sites South of Triplicane. There are several detached vacant spots, but hardly any of them of sufficient size in themselves. South of the office of the I.G., the ground is all low and swampy till you reach the newly established sewage farm at Barber's Bridge. South of Mylapore, there is an excellent site south of St Thome up to Quibble Island Bridge on the west of the road.

Then let this be the place

HS

"There is an admirable site for Kilpauk and Chetput off Mc Nicholl's road, just ~~south~~ north of Munro's Bridge, but I think if the extreme be reached, no better ~~step~~ step could be taken than to t[illegible] up Landon's gardens, the compound of which would accommodate as large a camp as could be required."

Orders can now issue as to these health camps.

HS

HS

42 Sir G. More concludes his [illegible] as follows:— "Lt Col J. Temple R.A. was in charge of plague operations in Kirkee and has had considerable experience. This officer is on leave at present but

This should be borne in mind. Meanwhile let the Presy get nominal rolls ready of the men to fill the supervision & other subordinate posts, see that the programme laid down for obtaining the services of milty officers [illegible] ation at once that [illegible]

46

68

"is due on 1st September and will "in all probability be posted to "Command the Royal Artillery at "St Thomas Mount. His pay may "be prohibitive. Lt Young, 17th M.I. "at Bangalore has just returned "from famine and plague duty and "I hear him highly spoken of. A "couple, if not more, of officers with "experience would be invaluable at "the outset".

43. Mr. Ellis is now preparing for the approval of the Surgeon Genl. and Sanitary Comr. a standard plan for Health Camps in Madras Presy.

29/8/98

H.T.

31. 8. 98

Remember if Bellary & other large towns have been partitioned off into wards - If not, they shd be & the nominal rolls of supervisors should be prepared - India has, I think, decided that all these supervisors shall be Europeans, which I suppose wd include East Indians of the better class -

HS

1/9/98

69

Local & Munl. (1898) Department.

CURRENT No. 66

From H. A. Sim Esq.
Ootacamund

Order

No.

Dated 2. 5. 1898

Received 5. 5. 1898

Registered 5. 5. 1898

Enclosures

Spare copies.

SUBJECT.

Enquiring whether everything is ready to meet plague if it enters this Presidency.

BACK PAPERS.

G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.

70

PRIVATE SECRETARY TO THE GOVERNOR · MADRAS ·

GOVERNMENT HOUSE,
Ootacamund.
2d May 1898.

My dear Tremenheere,

With plague in Calcutta & on the Hyderabad border His Excellency would like to feel assured that (a) we have everything ready to meet it, should it enter the Presidency. His Excellency has no doubt that Sir Henry Bliss has organised everything & that men & means are ready to start work the instant plague makes its appearance; but one or two points strike him as being worthy of consideration in advance. For instance, (b) if plague comes, to what extent will you need to be relieved of your other work, & who will do that

---

should therefore be prepared of
~~and~~ suitable men to fill all the

76

included East Indians of the better class.

3. It is presumed that all the plague hospitals mentioned in Sir G. Moore's D.O. of the 8-7-98 have been fully equipped. If not, the omission should be supplied without delay. The Govt does not think that the Armoury at the Native Infantry lines will do ~~well~~ for the purposes of segregation. It might be improved by additional ventilation and used as a hospital. Each hospital must make provision for the treatment of persons of both the sexes of each caste with due regard to caste scruples, and sheds must be ready for the medical officers, nurses, menial servants, attendants & relations of the patients, and the guard. Thus the H.A. who now lives in Perambur must have quarters built for him near the Perambur Plague Hospital shed. In this connection, your attention is invited to Rules 15-24, [illegible] of the Madras Plague Regulations & Rules.

4. Similar remarks apply to segregation camps i.e. camps for the [illegible]

77

must be an "observation ward" vide rule 33. Like the plague hospital, each segregation camp may be on a limited scale, but it must be complete in itself and ready for immediate use.

5. Health camps need not be erected at present, but materials sufficient for erecting, say, 100 sheds 12'×10', should be purchased and kept ready ~~at~~ near the sites selected. After consulting Sir G. Moore, the Govt thinks that the following sites will do. Arrangements should be made for making them available immediately when required, and where they belong to the Military authorities or to other Departments, permission to use them as health camps should be applied for without delay through the proper official channel.

(1) Fort Esplanade
(2) The beach between the Fort & Napier Bridge.
(3) The shore between the Fort & Harbour. This & No 2 are ~~[illegible]~~ sandy but the posts of the huts can be driven [illegible] down.
(4) Pudupet Plain
(5) The north western corner of People's Park
(6) Spur tank, ~~if~~ if it does not get [illegible] during the rains. This should be ascertained.
(7) Landon's Gardens

avilion and the site of the Student's hostel
7) The Vacant site south of ~~[illegible]~~
the Thana up to Quibble Island on the
west of the road.
~~Third~~ The above list is exclusive
f the 3 sites already marked on the
map.

It should be ascertained
o what extent the inhabitants of
andra will provide their own hospitals
nd Camps and take part in their
management. They should be encouraged
do this, and ~~perhaps~~ Govt let it be known that the Govt will be prepared ~~may~~
~~be able~~ to help them with grants in aid.
~~Furthermore~~ The Govt ~~is prepared~~ will
allow them as much ~~control~~ liberty
n these respects as possible, provided ~~[illegible]~~ proper
to manage the camps
n are forthcoming. If they come forward
erect their own sheds, suitable places
ld be shown to them and full directions
~~[illegible]~~ as to the way the huts should
uilt.

The Surgeon General has been
d to start inoculation in Bandra
d people desire it. Every facility
l be given to them to get themselves
ulated,

For each group of say 50 houses,
dent of the locality should be
daily
d for the purpose of reporting

arrivals and departures and all
cases of plague or suspicious fever.
This person ~~should, preferably,~~ may with advantage be
one employed under the Govt, the Municipality,
a Ry Company or a large firm.

Ling
4/9/98

5.9.98

Desd - 7-8-8

8/9/98

6a
(9)

NOTE FOR ~~THE~~ Mr Hammick Esq.

80

Submitted for perusal and return.

Secy
8/9/98

ada
8/9/98

b

Note

Please find out specially if I can
have the file about Madras City
Plague measures - with members who
- in Madras next week - viz
nday the 26th instant - I want to
lk round the City then with
Sanitary Commr. & it will be
eat advantage to me to have
City - Plague file

20/ix

H. M.
This is an important file
which I do not like to
send out of office
without H.E.'s permission,
hereby solicited.

H. T.
21.9.98

Submitted to the Secy for orders

Secy.
21/9/98

I think say he might have it -
but let him return it sharp as
we may at any moment want
it for refer - If you despatch on Sunday
morning he will get on Monday & we
might get back by Wednesday. 21/9
H.W.B.

Despatched accordingly.
The P.C.'s attention is
drawn to H.E.'s note.

H. T.
2 9 98

82

Local & Munl. (1898) Department.

CURRENT No. 674 P

From The President Municipal Commission, Madras

Order

No.

Dated 5-5-98

Received 6-5-98.

Registered 6-5-98.

Enclosures

Spare copies.

SUBJECT.

Reporting the number of plague sheds that are in existence in Madras.

BACK PAPERS.

G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.

2

Class. X P

INDIAN TELEGRAPHS.

C. No 674 P.

Monthly Number. 397

To (Office) Ootacamund				From (Office) madras	
Words. 34.	Day. 5.	Hour. 14.	Minute. 24.	Official Instructions.	urgt
To (Person) Local and municipal.				From (Person) ~~[illegible]~~ President municipality	

Brief refd S 6/5/98

increase sheds three
north of city for fort
three beyond perambore
station four old asylum compound
eight egmore hospital ~~[illegible]~~ compound
seven tistrampett
decrease one house perambore

2

Recd. from | I.N. | Sent to | I.N.

Hrs. | Mts. by

OOTACAMUND 5 5-98

Telegraph Master.

86

7

D.O. No 31 P. d/18-6-98.

(2) My dear Moore,

Will you kindly let me have at an early date your reply to my D.O. No 22 P. d/ 25-5-98, in which certain communications from the Govt of India regarding plague administration were sent for your opinion?

2. I am desired to suggest that the City of Madras should be at once divided into quarters and circles in the manner indicated in Rules 10 and 11 of the Bombay Rules forwarded with my former letter, and to request that a map showing these divisions with their head quarters as well as the different plague hospitals and segregation camps and also sites for health camps may be forwarded for the information of Government.

H T, 18 6 98

Lem
17/6/98

Despd 19.6.98

18/6/98

87

Local & Munl. (1898) Department.

D.O
~~CURRENT~~ No. 122

Order

From The President, Municipal
Commission, Madra

G. No. 145

Dated 8-7-1898
Received 11-7-1898
Registered 11-7-1898.
Enclosures 6
Spare copies.

SUBJECT.

Stating that he is sending the
map with the information
asked for in D.O. No 31 P.
dated 18th June 1898.

BACK PAPERS.

G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.

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SECRETARY TO GOVERNMENT
11 JUL 1898
LOCAL & MUNICIPAL DEPARTMENT

GOVERNMENT HOSPITALS & SEGRGATION CAMPS.

× vide page 7 of the notes.

Present arrangements× as reported in my letter G.No.497 dated 6th July 1897 and telegram of 5th May 1898. List attached.

Arrangements that could be made.

Hospital sheds could be run up adjoining the Segregation sheds near Black Town Sewage Farm. Extra accommodation could easily be provided on the old Native Infantry Lines.

Hospital and Segregation sheds could be run up on the Esplanade east of Patcheappah's.

Hospital and Segragation sheds could be run up near Stephenson's and Perambore High Roads. If necessary large compounds, which abound in Madras could be utilized.

Sites for Health Camps shown on map.

1. Just beyond the new European cemetery at Kilpauk, without Municipal limits.
2. On Suriyanarayana Chetty Street, 1st Division.
3. Mount Road near Government Farm.

1 / G.O.No.122 of 1898

Madras is divided into 20 wards each containing on an average about 22000 persons, some more some less in proportion to the density of the population and the area to be covered. Each plague Superintendent would have charge of one ward. Under each Superintendent there would be 2, 3 or 4 Supervisors, each of these Supervisors having chag charge of a definite area, shewn on the accompanying map.

	Wards.						
Division 1	1.E.	contains	about	24000	persons.	Supervisors	3.
	1.Centre	"	"	32000	"	"	4
	1.West	"	"	12000	"	"	3
2nd Div	2.North	"	"	36000	"	"	4
	2.Centre	"	"	26000	"	"	4
	2.South	"	"	21000	"	"	3
3rd Div	3.E	"	"	16000	"	"	3
	3.C	"	"	17000	"	"	3
	3.W	"	"	25000	"	"	4
	4th Division		"	15000	"	"	2
5th Div	5.N	"	"	32000	"	"	4
	5.C	"	"	23000	"	"	3
	5.S	"	"	18000	"	"	3
6th Div	6.N	"	"	9000	"	"	2
	6.S	"	"	15000	"	"	3
7th Div	7.N.	"	"	21000	"	"	4
	7.C	"	"	31000	"	"	4
	7.S	"	"	27000	"	"	4
8th Div	8.E.	"	"	22000	"	"	4
	8.W	"	"	18000	"	"	3
							67.

2
G.O. No 1220 of

Each Superintendent would have his office in as central a position as possible in his ward. He should be a Military Officer, ---- Civilian, or volunteer from one of the Government services. His Supervisors should be active and trustworthy men, acquainted with Tamil and English, but entirely distinct from the present Municipal Sanitary staff. The latter would of course render him all the assistance in their power without neglecting their usual routine duties. Adjoining the Superintendent's office would be a godown for storing disinfectants, brooms, mops, pumps, lime &c &c. and where the Supervisors would personally muster their cooly gangs morning and evening. All - reports of plague cases would be made at the Superintendent's office where a clerk would collect and tabulate the forms (supplied by the Municipality) and forward the same to the Health Officer before 12-- noon on the succeeding day. The Superintendent would personally give orders for the disposal of each plague case in his ward according to the decision arrived at by Government.

3
R.S. No 122 of 1898

~~Proposed form of Report~~ 91

MADRAS MUNICIPALITY.

HEALTH DEPARTMENT.

Plague Form.

Name..

Sex...

Age...

Nationality...................................

Caste and Sect................................

Division and Ward.............................

Residence.....................................

Paka or katcha house..........................

Date of attack................................

Date of death.................................

Date of report................................

How dealt with................................

....

....

Symptoms......................................

....

....

....

Remarks.......................................

....

....

....

....

....

Signed..

Date

Superintendent, Ward & Divn.

4

[illegible] No 122 of 1898

LIST OF PLAGUE HOSPITALS.

No. in margin of Map

No. 5. 1. Old Native Infantry Hospital. for 90 Patients.

" 11. 2. Egmore. " 80 " .

" 12. 3. Kistnampet. " 20 "

" No. 7. 4. Perambur Bangalow. " 40

230. H.T.

SHEDS.

" 4. 1. Native Infantry Lines and Sheds. (Between Tondiarpet & Blacktown)

" 1 & 2. 2. Thandiarpet. (? Ports Sewage Farm Sheds.)

" 9. 3. Vepery.

" 10. 4. Lunatic Asylum Road. (? Old Lunatic Hospital Sheds.)

" 13. 5. Kistnampet.

" 8. 6. Perambur.

H.T.

5

D.O. No. 122 of 1898.

93

Position of houses or rooms suitable for a Superintendent's Office, with a go-down attached for storing disinfectants, tools &c.

Division	Ward.	
1	E	41, Main Road, Royapuram.
"	C	15, Monegar Choultry Road.
"	W	57, Tiruvetur High Road.
2	N	263, Mint Street.
"	C	403, Mint Street.
"	S	27, Nyenappah Maistry Street.
3	E	Mannady Street, East end.
"	C	Mannady Street, Middle.
"	W	Aucharappen Street.
4		A Bungalow in Gantz Road.
5	N	A Bungalow in Perambur Barracks Road.
"	C	A Bungalow in Vepery High Road and Rundall's Road.
"	S	Police Commissioner's Office.
6	N	A small Bungalow in Poonamallee Road.
"	S	Graeme's Road.
7	N.	42, Sami Naick Road.
"	C	1/18, Triplicane High Road.
"	S	116, " " "
8	E	17, Cutcherry Road.
"	W.	42, Ammen Covil Street.

In lieu of the 8 offices

6

[illegible] No 122 of 1896

94

D.O. No 122

G. No: 14

SECRETARY TO GOVERNMENT
11 JUL 1898
LOCAL & MUNICIPAL DEPARTMENT

Madras,
8th July 1898.

My dear Tremenheere,

I am sending by Book-Post the Map with the information asked for in your D.O.No.31 P. dated 18th June 1898.

Yours sincerely,
Geo W. Moore

H. Tremenheere Esq.
Secretary to Government.

95

D.O. No 44 P d/25-7-1898

My dear Moore,

With reference to your D.O. G. No 145 of the 8th July, I am directed to state that in the opinion of Government, when the area to be covered is small, one Supt might easily look after 2 or 3 wards, at all events at first; and that the Health Camps should, if possible, be in more central positions. It will be very inconvenient if these camps are to be so far away from the people's houses, from the markets and shops, and from supervision. Is there any objection ~~for~~ to establishing one on the Island?

2. It is not clear whether the sheds marked on the map are intended ~~for use~~ for segregation purposes or as hospitals. Will you kindly state the purpose of each, and the extent of accommodation therein? In some cases, the [illegible] description in the map does no

app

with that in the list. Please have this checked. I return the map for reference & return.

Yours sincerely

Encl: 247.

H T
23 7 98

Despd
25-7-1898

D.O. No 47 P. dd 1-8-189

My dear (~~Moore~~) Ellis

In Continuation of my letter No 44 P dd 25-7-98 to Col Moore, I am directed to inquire whether each plague hospital in Madras has attached to it, suitable accommodation for the medical Staff, nurses, menial servants, Contacts, and ~~other~~ friends or relations of the sick. The Government has prescribed certain rules with regard to the construction and equipment of plague hospitals and Camps. You will find them printed on pages 97-112 of the "Madras Plague Regulations and Rules."

In regard to Health Camps, it is not necessary to erect huts at present, but it should be ascertained whether materials will be readily available for running ~~up~~ them up quickly in case necessity arises. As a general rule, the erection of such huts should be left to the people themselves, but the limits within

which

which they will be allowed and the manner in which they should be erected should be prescribed beforehand. A plan should be drawn up in consultation with the sanitary and medical authorities, to ~~suit~~ suit the conditions of each site selected for a Health camp.

H. T.
1. 8. 98.

Des
25- Lucy
31/7/98

Despd
3-8-1898

Local & Munl. (1898) Department.

D.O.
~~CURRENT~~ No. 141

From The President, Municipal Commission, Madras

Order

G. No. 195

Dated 3-8-1898
Received 6-8-1898
Registered 6-8-1898
Enclosures 2 (1 map)
Spare copies.

SUBJECT.

Returning the map shewing the position of segregation sheds and hospitals in Madras.

BACK PAPERS.

G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.

100

No.	No. of sheds	Hospital or Segregation.	Name.	Accommodation
1	3	Segregation.	Port sheds.	24
2	2	do	Sewage Farm sheds.	48
3	3	do	Washermanpet sheds.	27
4			Old native Infantry lines. Have now been sold by Government and are rapidly being demolished by purchasers. Can no longer be used for segregation purposes.	
5		Hospital	Old Native Infantry lines and Armoury.	90
6.		Hospital or Segregation.	Perambur Bangalow for Europeans.	
7	2	Hospital	Perambur Hospital sheds.	12
8	3	Segregation.	Perambur detention sheds.	27
9	2	do	Vepery sheds.	48
10	4	do	Old Lunatic Hospital sheds.	96
11	8	Hospital	Egmore Hospital (Old Women and Children's Hospital). A. 8 sheds to be used at first to segregate families of patients and later if necessary for patients themselves.	63 persons or 31 patients.
		"	B. 1 Paka building.	50 patients.
13	9	Segregation.	Kistnampet sheds.	159

Total segregation accommodation 492 or 429

Total Hospital accommodation 183 or 152

R. L. Ellis
4. 8. 98.

101 D.O. No. 141

G. No: 195.

SECRETARY TO GOVERNMENT
6 AUG 1898

Health Department,
Municipal Office,
Madras, 3rd August 1898.

To be filed with G.O. 1264 P.
7-10-98

MADRAS

Shewing the Divisions, Wards and Sections
The existing Plague Hospitals
The existing Segregation Sheds

To be filed with G.O. 1264 P
7-10-98

MADRAS

Shewing the Divisions, Wards and Sections
The existing Plague Hospitals
The existing Segregation Sheds

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101 D.O. No. 141

G. No: 195.

SECRETARY TO GOVERNMENT
6-AUG-1898
LOCAL & MUNICIPAL DEPARTMENT

Health Department,
Municipal Office,
Madras, 3rd August 1898.

Dear Mr. Tremenheere,

With reference to your D.O. No.44 P, dated 25th July, I return the map shewing the position of segregation sheds and hospitals and have noted the purpose for which each is intended. Kistnampet hospital shewn as No.12 on the map has been struck out as it was never intended to be used as a plague Hospital, though there is a shed in the compound which could be -- used for plague cases.

There are not many large open sites in ---- Madras suitable for health camps sufficiently dry to be habitable during rainy weather and sufficiently removed from crowded areas to avoid intimate and frequent communication. No place can be found so near to shops that it would be unnecessary to have bazaars in the camp itself, while the very object of a --- health camp would be frustrated if it were so near the peoples old houses that they would be there all day and probably all -- night too. Either they must be removed right away or not at all. A health camp is one in which there is entire freedom to the individual having due regard to sanitary regulations. The inhabitants come and go and do their daily work as usual, while their houses are being cleaned and ventilated.

The Island is a fine open space but is under

water

172

water during heavy rain and the proximity of the Cooum would be an endless source of complaint.

Another camp could be established on the Pudupet plain as it is high and well drained.

A Statement shewing accommodation of each shed is attached, but each camp is capable of extension, if necessary.

Yours sincerely
R. E. Ellis

Ag. President, Munl. Commn.

5/8/98

103

Local & Munl. (1898) Department.

~~CURRENT~~ No. 151

From The President, Municipal Commission, Madras

Order

await Col. Morris's reply
Long
19/8/98

for materials 24/10/98 — Resubmit
NAP

G. No. 200

Dated 12-8-1898

Received 15-8-1898.

Registered 16-8-98

Enclosures

Spare copies.

SUBJECT.

Reporting on the accommodation for Medical staff, nurses, menial servants, contacts and friends of the sick at the plague hospitals Madras and stating that enquiries as to the amount of material available for sheds are being made.

BACK PAPERS.

G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.

D.O. No 151

109

G. No: 200

SECRETARY TO GOVERNMENT
15.-AUG.-1898
LOCAL & MUNICIPAL DEPARTMENT

Madras,
12th August 1898.

Dear Mr Tremenheere,

In reply to your D.O.No.~~49~~ 47 P dated 1st August - the accommodation for medical staff, nurses, menial servants, contacts and friends of the sick at the plague hospitals is as under:-

Old Native Infantry Lines and Armoury.- There is room for the Assistant Surgeon but no quarters for nurses, servants, contacts, friends and relations of the sick; but provision could easily be made in all these, if necessary in the open parade ground, but it would be far better to partition off the armoury for segregation cases and menial servants, as it is quite unsuitable for

D.O. No 53 P. d/ 10-8-1898

My dear Ellis

With reference to para 2 of my D.O. No 47 P. d/ 1-8-98. I am directed to enquire what quantity of materials for plague sheds can be at once got at Madras, say, in half a day.

Forwarded

Yrs sincly

H. T.

[illegible]
10/8/98

Despd
11-8-1898.

10/8/98

106

Local & Munl. (1898) Department.

DO. 153.

~~CURRENT~~ No. ~~1293 P~~

Flag D

Flag E

Part of D.P. 53 P & 57 P.

From The President, Municipal Commission, Madras

Order

G. No. 207

Dated 15-8-1898

Received 17-8-1898

Registered 17-8-1898

Enclosures

Spare copies.

SUBJECT.

Stating that there is enough material in Madras to erect 100 sheds and that material could be obtained to erect about 1200 sheds a month.

BACK PAPERS.

G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.

107

80.

No 153

G. No: 207.

Madras, 15th August 1898.

SECRETARY TO GOVERNMENT
17.-AUG.-1898
LOCAL & MUNICIPAL DEPARTMENT

Dear Mr. Tremenheere,

With reference to your D.O. No. 53 P. dated 10th Instant, I learn from enquiry that there is enough material in Madras to erect 100 sheds 12 x 10 and that material could be obtained to erect about 1200 sheds a month.

Yours sincerely,

R. G. Ellis.

D.O. No 57 P. d/ 15-8-1898

(1) Your D.O. No 145 d/ 8-7-98 with enclosures

(2) My D.O. No 44 P d/ 25-7-98.
(3) My D.O. to Ellis No 47 P d/ 1-8-98.
(4) D.O. from Ellis, d/ 3-8-98. No 195. with 2 encls (one map)

My dear Moore,

In Continuation of the marginally noted Correspondence which I enclose in original for reference and return, I am directed to state that the following places suggest themselves to Govt as sites for Health Camps and to request your opinion as to their suitability—

(1) The Fort Esplanade North of the Cooum.
(2) The Pudupet plain.
(3) The Beach between the Fort and Napier bridge
(4) The ~~cricket pavilion~~ vacant ground between the cricket pavilion and the site of the Students' Hostel
(5) The Shore between the Fort and the Harbour.
(6) People's park (the portion adjoining the Canal).
(7) The Spur tank
(8) Vacant places South of Triplicane, South of the office of the I.G. of Police, and South of Mylapore.

The Government considers that

There should be separate ~~A~~ Health Camps for Black Town, Chintadripet, Triplicane, Mylapore & other main divisions of the City and that they should be ~~place~~ in as central a position as possible.

Yours truly

Lieu
13/8/98

15-8-98

Despd
16-8-1898

[illegible]

15/8/98

Local & Munl. (1898) Department

D.O.

~~CURRENT~~ No. 160

Order

From Lieut. Col. Sir G. M. J. Moore K.C.I.E.
Bangalore

No.

Dated 21-8-1898
Received 25-8-1898
Registered
Enclosures
Spare copies

SUBJECT.

Replying to D.O. No 57 P. dated 15th August 1898 regarding Health Camps in Madras

BACK PAPERS.

G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.

101

D.O. No 180

SECRETARY TO GOVERNMENT LOCAL & MUNICIPAL DEPARTMENT 1898

SECRETARY TO GOVERNMENT LOCAL & MUNICIPAL DEPARTMENT 25 AUG. 1898

445 [illegible]

Bangalore
21st August 1898

My dear Tremenheere

Your D.O. No 57 P. dated 13th August 1898 received this day

I will take the sites in order

(1) The Fort esplanade - An excellent site except for its proximity to a very crowded part of the City. It might be difficult to prevent egress and ingress.

(2) The Pudupet plain - Most excellent site - somewhat cramped - surrounded by Eye Hospital, Police & Transport Lines and European dwellings.

(3) The Beach between the Fort and Napier Bridge The difficulty would be the foundations for the huts - they would not stand in the Sand.

(4) The vacant ground between the Cricket Pavilion and the site of the Students' Hostel - suitable site but for proximity to Public Buildings and P.W.D Quarters.

(5) The Shore between the Fort & Harbour - the difficulty in (3) obtains - otherwise no better site than all along the Beach could be found.

(6) People's Park (the portion adjoining the Canal) very suitable, but I think the North Western corner along

preferable.

(7) Spur Tank - May probably be under water from October, otherwise no better.

(8) Vacant places South of Triplicane, South of the Office of the Inspector General of Police and South of Mylapore - It will be difficult to get sites South of Triplicane - There are several detached vacant plots, but hardly any of them of sufficient size in themselves. South of the Office of the Inspector General the ground is all low and swampy, till you reach the newly established Sewage Farm at Barbers Bridge. South of Mylapore there is an Excellent site south of St Thome up to Quibble Island Bridge on the West of the Road.

There is an admirable site for Kilpauk and Chetput off McNicholls road, just North of Munro Bridge - but I think if the extreme be reached, no better site could be taken than to take up Landons Gardens, the compound of which would accommodate as large a camp as could be required.

It may not be out of place here to touch upon other matters - such as an administrative and executive staff

Lieut - Colonel J. Temple R.A. was in charge of Plague operations in Kirkee and has had considerable experience. This officer is on leave at present, but is due on 1st Sept. and will in all probability be posted to command the Royal Artillery at St. Thomas Mount - His pay may be prohibitive. Lieut: Young 17th M.I. at Bangalore has just returned from Famine and Plague duty; and I hear him highly spoken of.

A couple - if not more - of officers with experience would be invaluable at the outset.

I return the enclosures with your D.O. under reply.

Yrs Sincerely
E. W. Moore

H. Tremenheere Esq
Secy. to Govt.