PROCEEDINGS OF THE PLAGUE COMMISSIONER.

(189 -)

MISCELLANEOUS.

No. 605

Dated 7-11-98

Despatched 10/11/98

[Despatch Abstract.]

Regulations 8 & 19

Submitting to Govt. a draft notification amending ———— .

BACK PAPERS.

No.	Date.	No.	Date.

FURTHER PAPERS.

No.	Date.	No.	Date.
Circ 4611/99			

To Regs Dept
& return
for revision
& further
action
11/11/98

I don't know what this
has been sent
to me for
W 11/11/98

This is proposal 15 in S.O. No 1264 P. 44
7-10-98. The Clerk asked for reasons
for closing this Cemetery - the reasons are
stated in para 6 of the Provincial's letter
dy 23-10-98 No 776. This has gone to Clerk
under Circ's Regs 605 7-11-98 submitted herewith
Henry
10/11/98

No. 833 & 923 838

605 7-11-98
mitted to Clerk
to S.O. No 1264 P
draft notice
for approval and
F.S.
in the Gazette. The
ch of Section 282A
nicipalities Act
bodied in the draft
Regulation 19.

W
ence

3/12/98

Notification

In the exercise of the powers delegated
to him under the Epidemic Diseases
Act 1897, His Excellency the Governor of the Irish
Free State in Council directs that the
following Regulations shall be
substituted for Regulations 9 and 19
respectively of the Regulations
published on pages 1589-1592 of Part
I of the Irish Free State Gazette
dy 17-11-97.

[illegible] such measures are taken.

8. The ~~Municipal Commissioners~~ shall provide and maintain in such localities, whether within or without the municipal limits, as in the opinion of the Health Officer of the municipality may be proper for the purpose, suitable and sufficient accommodation as approved by the Health Officer and by a medical officer deputed by the Surgeon-General or, in the absence of any such officer, by the Surgeon of the district, for the isolation and treatment of persons suffering from or suspected to be suffering from the plague, or to have so lately suffered from the plague as to be in an infectious state, or likely from recent contact with plague cases to have been infected or to be in an infectious state, and for their detention until they shall be certified to be free from infection. In the places so provided, the ~~Municipal Commissioners~~ shall furnish such hospital establishments, equipment and supplies as the Health Officer may require, and shall also make arrangements for feeding persons detained under any of the Regulations now prescribed, on payment by them of the cost; but in the case of indigent persons the ~~Commissioners~~ shall supply them with food free of charge: provided that any person so detained may cater for himself subject to such rules and conditions as the Health Officer may prescribe. The ~~Municipal Commissioners~~ shall also in like manner and subject to like approval provide accommodation for persons who may be required to vacate any building or ground under the preceding Regulations Nos. 3 and 4, and who may be unable to procure necessary accommodation for themselves. He shall also appoint such other establishments as he considers necessary to carry out the regulations under the Epidemic Diseases Act, 1897.

Explanation.—Any certificate given under this Regulation should contain an accurate description of the person named in it to prevent so far as possible its being used by another person.

President

President

President

President

(Note for C.C. The entity Regulation merely directs the Commrs to do what Health offrs prescribe & so its ~~unnecessary~~ matters little whether the President or Commrs do it. Under the Act, the President is the sanitary authority)

19. In the absence of a written contract to the contrary, every person employed in new to do duty in any capacity at any place in connection with plague or with conservancy generally shall be entitled to one months notice before discharge or to one months wages in lieu thereof, unless he is discharged for misconduct or was employed for a specified term and discharged at the end of it.

No such person shall in the absence of a written contract authorizing him to do, and without reasonable cause, resign his employment, or withdraw from the duties of his office without permission, or without having given one months previous notice in writing to the officer under whom he is employed serving, or shall neglect or refuse to perform his duties or any of them.

Note. This Combines entity Regulation 19, Section 282 of the Municipalities Act & the amendment proposed by the C.C.

notification

In the exercise of the powers delegated to him under the E.D. Act 1897, His Excellency the Governor of Fort St George in Council directs that the following Regulation shall be substituted for Regulation 26 of the Regulations under the E.D. Act published on pages 1583-1584 of Part I of the Fort St George Gazette dt 17-12-97

(Same as issued with City Reg 19)

To print with current No 923 (22/12/08) relies in original.

31/10/08

Rule 19 of the City of Madras rules is not wide enough to meet a general state of the Scavengers' Establishment (Sd) Mr. Hammick 29/9/96

Extract from Letter from the President, M.C. Madras & the Plague Comrs., Madras.

(3) That the President should have power over Scavengers and all Sanitary staff up to any a class receiving a Rs 15 pay a month in the manner provided in Section 202 & (2) & (3) Madras Municipalities Act.

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

(Signed) R.E. Ellis

PLAGUE COMMISSIONER'S OFFICE.

(1898)

CURRENT No. 833

From The President, Municipal Commission, Madras

Order

G. No. 766

Dated 27-10-1898

Received 28-10-1898

Registered 28-10-1898

Enclosures

Spare copies

SUBJECT.

Reporting about plague arrangements in the Madras town.

BACK PAPERS

No.	Date.

FURTHER PAPERS.

No.	Date.

Genl. Dept.
13.

G. No. 766.

MUNICIPALITY OF MADRAS,
General Department,
Madras, 27 October 1898.

From

The Hon LIEUT.-COL. SIR GEORGE MOORE, KT., C. I. E.,
President, Municipal Commission.

To

The Plague Commissioner,
MADRAS.

SIR,

Enclosure.

With reference to your letter No.340, dated 24th October 1898, I have the honour to state as follows:-

2. Peons, Maistries, Coolies and Watchmen in charge of conservancy generally and plague Hospitals in particular.

3. Para 5. I had not intended framing any rules at present.

4. When 48 contacts were segregated last year I fed them for 9 days at a cost of Rs 210-4-8 - very nearly 8 annas a head per diem. This is too much - but as a matter of policy as well as safety I thought it better to feed them myself.

5. If batta is to be given I should say 3 annas per man, 2 annas per woman, 1½ annas per child under 5 years, per diem.

6. Para 6. D'Mellows Road burial ground is over crowded - They are constantly digging up bones when preparing a grave - It is very low lying - I think you quite agreed with me it should be closed.

7. Para 7. I would refer you to my order P.1, dated 14th October 1898, in which is given the postings of the

4 Plague Officers.

8 Para 8. Ambulance staffs are being organized.

9 Para 9. I address the Surgeon-General as occasion requires.

10 Para 14. Suitable houses are not available in the localities. Wherever I could I should certainly take a house.

11 Para 15. There seems to be some misconception as regards the distance of Kistnampet from Triplicane. It is in Triplicane. In view of the alterations that are being made and the provision of caste Hospitals it seems doubtful whether another building will be necessary. If it is I propose taking up Temple Gardens.

12 Para 16. The 3 Hospitals referred to are I think properly equipped. I have given notice to take up Waverley House for the nurses in Egmore Hospital. These Hospitals have - or will have when Dr Thomas arrives - a Medical Officer in charge of each and are all under the supervision of Major Reeves, I.M.S.

13 No mention is made of the Perambore Hospital. There is no Medical Officer. Nurses are being applied for.

I have the honour to be,

Sir,

Your most obedient servant,

Lt.-Col.

President, Muml.Commn.

PLAGUE COMMISSIONER'S OFFICE.

(189)

Get progress
of H.O. & Instt
Attd. to 1870

rec'd 20-10-98

CURRENT No. 340.

From Government, L&M

Order

No. 1264 P

Dated 7-10-98
Received 10-10-98
Registered 10-10-98
Enclosures
Spare copies

SUBJECT.

Passing orders on the Scheme Submitted by the President M.C Madras regd for the protection of the City of Madras from plague

BACK PAPERS.

No.	Date.

FURTHER PAPERS.

No.	Date.

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 Commissionor, 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 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 managements. 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.

Encl 16 (No. 349 28-9-98)

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:—

1.	Narasinga Rao	... Asst. Surgeon.	No. duty.
2.	Muthaliyandan Naiker	... Hospital Assistant.	,,
3.	Mrs. Muir	... Nurse.	,,
4.	Mrs. Dennison	... 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 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.

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 Asst.	Cholera.
2.	Sadagopa Mudally.	... do	,,
	Male Ward Attendants.	... 4	,,
	Female Ward Attendants.	... 4	,,
	Toties.	... 4	,,

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	... Asst. 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 do	... 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 & Small-pox.
2.	V. C. Subramania Mudaly...	do	,, ,,
	Male Ward Attendant ...	1	,, ,,
	Do Toty ...	1	,, ,,
	Watchmen ...	2	,, ,,

The following Staff are employed on general Plague duty :—

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

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 erect their own huts in the sites which will be pointed out when the time comes. Plans shewing 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, Culmantapam 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 Bazaar Road.

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 8 round, 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,
21*st September* 1898.

R. E. ELLIS,

Ag. President, M. M. C.

Enclosure 2

THOMPSON & Co., PRINTERS, MADRAS.

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

From

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

Ag.President, Municipal Commn.

TO

The Plague Commissioner,

Madras.

Sir,

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.

(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 pay a month in the manner provided in Section 282 A (2) & (3) Madras Municipal ~~Act~~ titles Act.

(Note) Regulation 28 original Mofussil 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 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 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
16 Conservancy Overseers @ 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.

(IO) 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 Popham's Broadway 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 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 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 Superintenddents 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
Male & 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

lines of communication the following paper:-
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.

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

(28) That another plague Hospital required for Triplicane and that the Isol tion Hospital at Kistnampet be used for plague cases pending further developmen n. and that the accommodation be increased one shed at once; that part of the Hospital be used for Gosha women and that the S General be asked to supply a lady Doc once.

1. Open space at the back of N.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.

read the following Paper:-

Commissioner, No. 31, dated 29th September

(29) That sma[illegible] high be built at the segregation [illegible] of the

(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' 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 serv[illegible]-

Ag.President, Munl.Comm.

.13 Inch

Read the following paper:-

From the Plague Commissioner, No. 31, dated 29th September 1898, submitting with remarks the scheme of the President, Municipal Commission, Madras, for the defence of the City of Madras.

Order No. 1364 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 14 and Purasaal Regulation 38 will be amended at once as suggested by the Plague Commissioner in another communication. Section 383-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

15.

P.C.
7.10.98

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

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

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

8. proposal (18). In the opinion of Government,three ambulance staffs should be organized and kept in readiness. If private hospitals are not ready to receive patients,they must be taken to ab 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 (33). The question of establishing road frontier inspection stations in Madras may be considered if plague established itself in the adjacent districts.

11. proposal (35). The Deputy Adjutant General,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 (34). Orders will be separately issued on this point.

13. proposal (36). The Plague Commissioner is requested to address the Surgeon-General.

14. proposal (37). This is a matter for disposal by the Plague Commissioner but it is not clear why open spaces are required for officers. Existing houses would be preferable to new structures.

15.

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15. Proposal (38). The Government doubts whether the proposed Kistnampet Hospital will provide sufficiently for the south of Madras, Mylapore and St. Thome, 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 ~~built in the open ground~~ properly organized as a plague hospital and the accommodation for females should be there 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 paras. (1), (2) and (3) of the President's printed memorandum of the 21st September 1898 is adequate. The Government observes that there are no nurses at Perambur and Kapuram 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 ~~at Perambur~~ and the medical staff.

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

(True extract)

A Edgington

for Secretary to Government.

To

The Plague Commissioner.
" Deputy Adjutant General, Madras Command.
" President, Municipal Commission, Madras.
" Public Department.
" Financial Department.
" Sanitary Commissioner.
" Surgeon General.

Pooh

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.

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

28th September 1898.

No. 31.

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

(Signed) M. HAMMICK,
Plague Commissioner.

30th September 1898.

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.

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.

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 20 places proposed in the orginal 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 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

(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) 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.

Colonel Temple who was suggested is a more expensive officer than is required, *i.e.*, either in separate charge or to work under the seven Superintendents as Assistant Superintendent.

The great advantage of the 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 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 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, 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 in paragraph 2 of demi-official above referred to. 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 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.
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.

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

(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 appear 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 Soorianarayana Chetti street.

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

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

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

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

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

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

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

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

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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.)

for *Secretary to Government.*

To the Plague Commissioner.
" Deputy Adjutant-General, Madras Command.
" President, Municipal Commission, Madras.
" Public Department.
" Financial Department.
" Sanitary Commissioner.
" Surgeon-General.
"

Exd. A. F. Ecclestone.

Reference 340 dt 24.10.98

To The President
Mob Madras

Sir

With reference to para 4 of GO. No 1264 P. dt 7-10-98 on the Madras City plague prevention scheme, I have the honour to request that you will kindly inform me to what classes of municipal servants section 282-A of the Madras District Municipalities Act shall be applied.

2. I shall be glad to have a copy of the rules referred to in para 5 of the G.O. & the information called for in para 6.

3. I shall be obliged if you can kindly inform me what action has been taken with reference to paras 7, 8, 9, 14, 15 & 16.

Yours
22/10/98

Note. On receipt of an answer to this, a reply to you will be drafted.

Note
This has been finished
& despatched by mistake
by
26/10

Despd 25/10/98

after despatch
returned to file
by
26/10

When given for copying
When copied
When examined 189
When signed