

1. DATE OF PREPARE 3-2-21
2. INITIALS OF AUTHORITY
M.R.O. 1-35,000-15-10-21

MADRAS RECORD OFFICE.

Government of Madras.

Public DEPARTMENT.

G.O. No. 977

Press
Mis.

Dated

5-8-1870

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Department,
5th August 1870.*

No. 30. Read the following letter from the Superintending Engineer, 4th Division, to the Secretary to Government, Public Works Department, Fort Saint George, dated Madras, 14th May 1870, No. 651 :—

In Order, No. 720, dated the 31st May 1869, the Government approved of the arrangements proposed by the Inspector-General of the Indian Medical Department for the establishment of a Cholera Hospital in Madras, and in paragraph 9 of the same Order, the Public Works Department was directed, in communication with Dr. Mackenzie, to select a suitable site and to prepare the necessary plans and estimates for the buildings, which was communicated to me in Government Order, No. 1893, dated 10th June 1869.

Nine Plans.
One Estimate.
One Specification.
One Statement.

2. In pursuance of these instructions, Dr. Mackenzie and myself inspected the various sites in Black Town which appeared suitable for the location of such a hospital, bearing in mind the situation of the localities where the disease generally broke out in its most virulent form, on the few occasions when cholera has been epidemic of late years. The President of the Municipal Commission was also good enough to accompany us and to give us the benefit of his experience in pointing out available sites.

3. It appeared to us that there were only two sites which could be made available for the erection of the hospital. The one commonly known as the woodyard in Popham's Broadway near the northern terminus of the street, and which is now the dépôt for all the firewood sold in this portion of Black Town; the other an irregular-shaped plot of ground partly covered with small native houses and bazaars, near the Elephant Gate Bridge over Cochrane's Canal, and north of John Pereira's Chapel. The respective cost of these properties according to the valuation which I have received is nearly identical, but there can be no question as to the woodyard being the most eligible spot, as it is more central and far more extensive than the canal site, which we considered confined and not so well-adapted for the purpose.

4. Owing to the densely-populated neighbourhood, and the great value of building land in Black Town, it is extremely difficult to find an available spot of ground for the hospital, and were Government inclined even to give the valuation fixed by the Revenue authorities for the woodyard, it is extremely doubtful whether the numerous proprietors, who are small timber merchants each possessing their own plot of ground, would be willing to part with their property, and to search for a new dépôt for their trade. The Deputy Collector states that the average cost of the land at this locality is forty pagodas per ground, and as there are ninety-two grounds in the yard, the price would be Rupees 140×92 , or 12,880 rupees. The plot of land would most probably have to be taken by the Act.

5. The land on Cochrane's Canal was valued for us by the Municipal Commission, who at the time of our inspection were purchasing up property in the neighbourhood in view to making improvements in the widening of the streets. I enclose

*Proceedings of the Madras Government, Public Department,
5th August 1870.*

an abstract of the estimate of the cost of the houses and compounds comprised in the plot, and it will be seen that the valuation of the property amounts to Rupees 12,806.

1. Quarters for an Apothecary and room for Medical Officers.
2. Dispensary and Store-room.
3. Dead House.
4. Kitchen range.
5. Dooly Shed.
6. Latrine for males.
7. Latrine for females.
8. Temporary Wards.

6. I also forward the plans, as per margin, for the buildings comprising the hospital, and the estimates amounting in the aggregate to Rupees 22,500, as follows :—

	RS.
1. Quarters for an Apothecary and Room for Medical Officers	6,250
2. Dispensary and Store-room	3,120
3. Dead-house	1,250
4. Kitchen Range	2,570
5. Dooly shed, (temporary)	370
6. Latrine for males, (do.)	885
7. Do. females, (do.)	885
8. Temporary Wards, four, at Rupees 1270 each	5,080
9. Teakwood palings	2,090
Total...	22,500

7. These plans have been prepared in accordance with the suggestions contained in Dr. Mackenzie's report, dated 13th May 1869, No. 195, embodied in the Government Order, and they have been approved by him. Bearing in mind the wish of Government that the buildings should be of a temporary character, I have endeavoured to reduce the estimates within the smallest limits. Captain Goddard's original statement of the cost amounted to Rupees 35,000, but I have since reduced the sum to Rupees 22,500.

8. It may be found hereafter that additional buildings may be required, such as provision for drainage, coach-house, and stabling for warrant medical officer, &c., &c.; but the estimates as now submitted appear to provide for all that is immediately required to start the hospital.

9. There will be four sheds capable of containing twelve patients in each, separated into two wards, and the Apothecary's quarters with day room for the Surgeon, the dead-house which is required of the standard plan, the dispensary and store-room, and the kitchen range, only, will have tiled roofs, the remaining buildings being thatched. A sketch of the timber-yard showing the position of the building is also forwarded.

10. These plans and estimates might have been submitted at the end of the last calendar year; but owing to the pressure of other works, and to the suspension of all sanction for, and progress on, new buildings in the division in 1869-70, I have not attempted to forward them at an earlier date.

Transferred to the Public Department, with reference to paragraph 9 of the orders in that Department, dated 31st May 1869, No. 720.

(Signed) C. A. ORR, Colonel, R.E.,
Secy. to Govt., P. W. D.

16th May 1870.

*Proceedings of the Madras Government, Public Department,
5th August 1870.*

No. 31. ORDER THEREON, 5th August 1870, No. 977.

The recent outbreak of cholera in an epidemic form in the Town of Madras has again brought prominently to the notice of Government the necessity of having an hospital specially devoted to the treatment of cholera cases in some central situation.

2. His Excellency in Council has considered the plan and estimates submitted by the Superintending Engineer, 4th Division, for such an hospital.

3. The Superintending Engineer has, in the selection of the site for the hospital, been aided by the Inspector-General of the Indian Medical Department and the President of the Municipal Commission. The result of the consultation of these officers has been the selection of a site in Popham's Broadway near the northern terminus of that street, and which is now used as a depôt for firewood.

4. The estimated value of the land is Rupees 12,880, and it is probable that it will be necessary to acquire it under the Land Acquisition Act X. of 1870.

5. The estimate for the hospital, which will contain forty-eight patients, and the necessary subsidiary buildings, is Rupees 22,500. It is observed from the estimate that the wards of the proposed hospital are to be thatched, but as it would be dangerous to have thatched buildings in the centre of Black Town, His Excellency in Council directs that tiles be used throughout the building. The estimate will be revised accordingly.

6. The Government do not doubt that the arrangements above proposed would very effectually secure the object in view; but looking to the very considerable expenditure involved in this experimental measure, His Excellency in Council is not prepared to sanction the purchase of a site until, after very careful inquiry, it has been ascertained that there is no site, the property of Government, available, or that by some other arrangement the total cost involved cannot be reduced. The Inspector-General is requested to place himself in communication with the Collector of Madras and ascertain whether Government land is not available. Dr. Mackenzie's attention is particularly directed to the land on the north side of the Grand Jail.

7. The proportion of charge for the subsidiary buildings of the Cholera Hospital is very large. While the wards themselves are estimated to cost Rupees 5080 the subsidiary buildings will cost 17,420 rupees. His Excellency does not consider that a residence should be provided for the Apothecary. A single room for the Medical Officer when actually on duty, and a similar room for the Apothecary, with bath-rooms attached, should be provided. In this respect the plan and estimate seem susceptible of considerable reduction.

8. The Government are desirous that, while providing wards for treatment of patients during an outbreak of cholera, it should not be forgotten that one of the principal objects in view is to establish a depôt at which all the medicines and apparatus, tents, &c., for fitting out Cholera Hospitals of a temporary character should be stored. So that, as described in paragraph 3 of the G. O. of the 10th March 1869, No. 294, "the locality for the head-quarters of such an hospital being fixed, it should be on such a footing that, on the occurrence of a serious outbreak of cholera, a flying hospital could at once be detached from the parent institution and sent to the infected locality for the treatment and study of the disease."

Proceedings of the Madras Government, Public Department,
5th August 1870.

9. The Inspector-General has framed a proposal having these objects in view, which has been approved by Government in their Order, dated 31st May 1869, No. 720. The means of storing all the appliances for a movable hospital should be carefully considered in framing the plan and estimates for the central depôt. In the plan submitted a room marked as "Stores" has, it is true, been provided in connexion with the dispensary, but if a Hospital Camp Equipage is to be attached to the depôt some further provision seems necessary.

10. The attention of Dr. Mackenzie has been drawn to a site, that near the Grand Jail, which may be suitable for the Cholera Hospital and Depôt; but it has also occurred to Government that an alternative plan might be worked out, under which the building known as the "Monegar Choultry Cholera wards" might serve as the basis of the new institution.

These wards are the property of Government, and afford accommodation for cholera patients for that part of the town when cholera is prevalent in a not severely epidemic character. If a sufficient space of ground is taken for the site of the proposed cholera sheds and for the subsidiary buildings, stores, &c., the object which the Government have in view will probably be more economically secured than in any other manner. The land, if not already the property of Government, is probably of little value, and may be cheaply secured. The neighbourhood of the sepoy lines which are, however, not very close does not appear to prevent any substantial objection.

11. With these remarks His Excellency the Governor in Council directs that the letter and plans and estimates, submitted to Government by the Superintending Engineer, 4th Division, under date 14th May last, be sent to Dr. Mackenzie, who will, in communication with the Superintending Engineer and the Collector of Madras, submit, at an early date, a revised scheme for giving effect to the instructions of Government.

(True Extract.)

Under Secy. to Govt.

To the Inspector-General of the Indian Medical Department,
with twelve enclosures.

„ Collector of Madras.

„ Public Works Department.

„ President of the Municipal Commission, Madras.

„ Sanitary Commissioner.

N^o. 651.

Cap. J. Engis, Officer in Charge
Madras 14th. May 1870

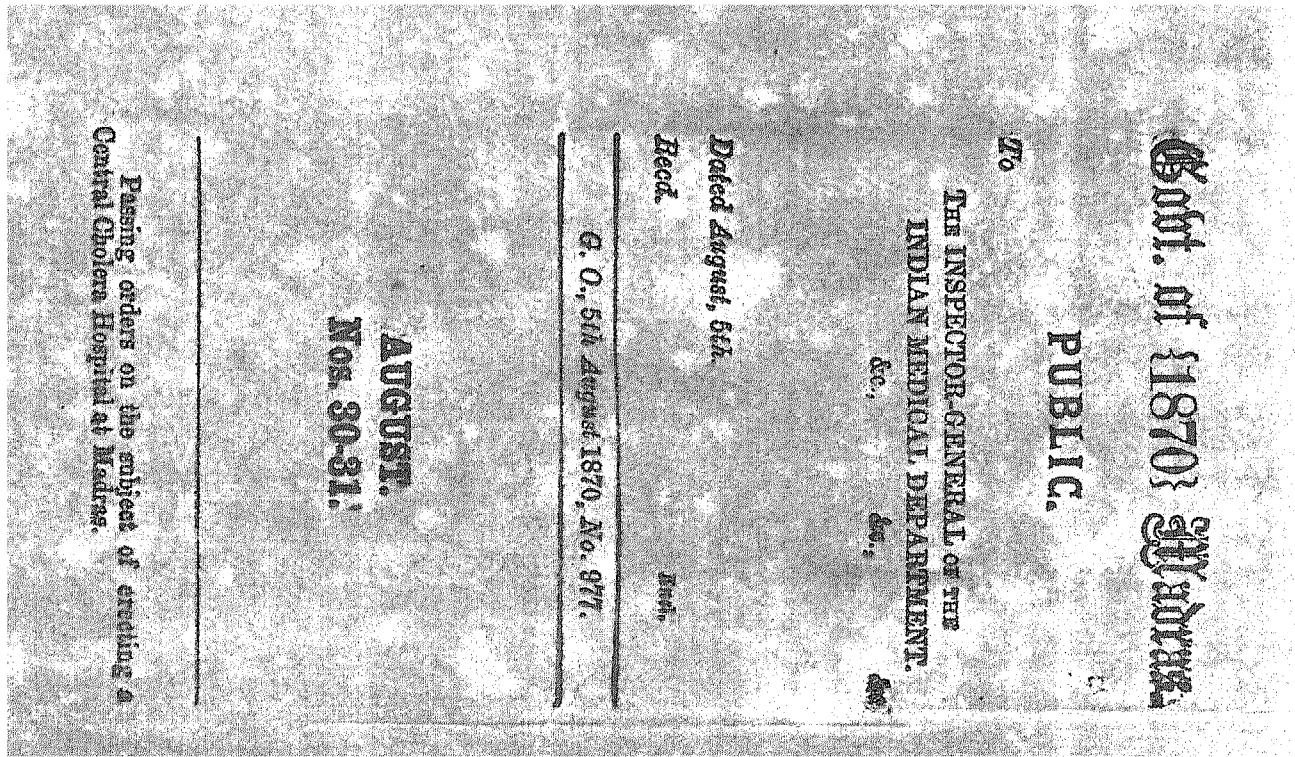
From,

Lieut. Colonel J. Beresford R. E.
Superintending Engineer in Charge.

Colonel G. A. O'Connell R. E.
Secretary to Government G. O. S. Dept.
Fort Saint George.

Sir,

In Order N^o. 720 dated 31st. May
Enclosures 1869, the Government approved of the arrange-
y Plans -ments proposed by the Inspector General
1 Estimate Indian Medical Department for the establish-
1 Specification -ment of a cholera Hospital in Madras,
1 Statement. and in paragraph 9 of the same Order,
the Public Works Department was directed
in communication with Mr. Mackenzie
to select a suitable site and to prepare the
necessary plans and estimates for the buildings,
which was communicated to me in Govern-
ment Order N^o. 1093 dated 10th June 1869.
2. In pursuance of these instructions,
Mr. Mackenzie and myself inspected the
various sites in Black Town which
appeared suitable for the location of such



a Hospital, bearing in mind the situation of the localities where the disease generally broke out in its most virulent form, on the few occasions when Cholera has been epidemic of late years. The President of the Municipal Commission was also good enough to accompany us and to give us the benefit of his experience in pointing out available sites.

3 It appeared to us that there were only two sites which could be made available for the erection of the Hospital. The one commonly known as the Wood Yard in Pophams Broadway near the northern terminus of the street, and which is now the depot for all the firewood sold in this portion of Black Town; the other an irregular shaped plot of ground partly covered with small native houses and bazars, near the Elephant Gate Bridge over Cochranes Canal, and north of John Percin's Chapel. The respective cost of these properties according to the valuation which

9
which I have received is nearly identical, but there can be no question as to the Wood Yard being the most eligible spot, as it is more central and far more extensive than the Canal site which was considered confined and not ^{so} well adapted for the purpose.

4 Owing to the densely populated neighbourhood and the great value of building land in Black Town, it is extremely difficult to find an available spot of ground for the Hospital, and were Government inclined even to give the valuation fixed by the Revenue authorities for the Wood Yard, it is extremely doubtful whether the numerous proprietors, who are small timber merchants each possessing their own plot of ground, would be willing to part with their property, and to search for a new depot for their trade. The Deputy Collector states that the average cost of the land at this locality is 40 pugasdas per ground, and as there are 92 grounds in the yard,

the

Land can be built
under the new Law
Act.

the price would be ^{Rs} Rupees 140 x 92, or 12,880 Rupees. The plot of land would most probably have to be taken by the Act.

5 The land on Cochrane's Canal was valued for us by the Municipal Commission, who at the time of our inspection were purchasing up property in the neighbourhood in view to making improvements in the widening of the streets. I enclose an abstract of the estimate of the cost of the houses and compounds comprised in the plot, and it will be seen that the valuation of the property amounts to Rupees 12,806.

6 I also forward the plans as per margin for the buildings comprising the Hospital and the estimates amounting in the aggregate to Rupees 22,500 as follows.

- 1 Quarters for an Apothecary and room for Medical Officers.
- 2 Dispensary and store room.
- 3 Dead House.
- 4 Kitchen Range.
- 5 Dooly shed.
- 6 Latrine for males.
- 7 Latrine for females.
- 8 Temporary Wards.

22500

10000
12500

- 1 Quarters for an Apothecary and room for Medical Officers. ^{Rs} 6,250
- 2 Dispensary and store room " 3,120
- 3 Dead House " 1,250
- 4 Kitchen Range " 2,570
- 5 Dooly shed (temporary) " 370
- 6 Latrine for males (do) " 885
- 7 do females (do) " 885
- 8 Temporary Wards 4 at Rs 1270 each " 5080
- 9 Teakwood palings " 2090

Total Rs 22,500

7 These plans have been prepared in accordance with the suggestions contained in ^{*}dated 13th May 1869 N^o 195. in Dr. Mackenzie's report embodied in the Government Order, and they have been approved by him. Bearing in mind the wish of Government that the buildings should be of a temporary character, I have endeavoured to reduce the estimates within the smallest limits. Captain Goddard's original statement of the cost amounted to Rupees 35,000, but I have since reduced the sum to Rupees 22,500.

It

Public Department

Proceedings of the Madras Government.

Read the following letter from the Supg Engineer S^d Divⁿ dated 12th May 1870 N^o 651.

Order thereon - As recommended. August 190. N^o 977.

The recent outbreak of Cholera in an epidemic form in the Town of Madras has again brought prominently to the notice of Government the necessity of having an hospital specially devoted to the treatment of Cholera cases in some central situation.

2. His Excellency in Council has considered the plan and estimates submitted by the Superintending Engineer S^d Division for such an hospital.

3. The Superintending Engineer has in the situation of

L. D. S.

Transmitted

Forwarded to the Public Department with reference to para 9 of the order in that Department dated 31 May 1870.

Wm. A. M. Secy: to Govt. P. R. S. 18. 8. 70. 30. To the Public Department

11/11/70
Public
The Superintending Engineer
S^d Divⁿ
12/5/70
N^o 651
12/5/70
N^o 12
Submitting with

Estimated Plans and estimates amounting to Rs 22,500 for construction of Cholera Hospital and subsidiary buildings in the town.

of the site for the hospital
been aided by the Inspector
General Indian Medical
Service and the President of
the Municipal Commission.
The result of the consultation
of these officers has been
the selection of a site in
Rophaui's Broadway near
the northern terminus of that
street and which is now used
as a depot for firewood.

4. The probable value
of the land is Rs 12,000, and
it is probable that it will
be necessary to acquire it
under the Land Acquisition
Act of 1870.

5. The estimate for the
hospital, which will con-
tain 20 patients, and the
necessary subsidiary buildings
is Rs 22,500. It is derived
from

6¹⁷

from the estimate that the
wards of the proposed Hospital
are to be thatched, but as
it would be dangerous to
have thatched buildings in
the centre of Black Town,
His Excellency in Council
directs that tiles be used
throughout the building.
The estimate will be revised
accordingly.

6. The Government do
not doubt that the arrange-
ments above proposed would
very effectually secure the
object in view, but looking
to the very considerable ex-
penditure involved in this
experimental measure, His
Excellency in Council is
not prepared to sanction
the

the purchase of a site
until, after very careful
enquiry, it has been ascer-
tained, that there is no site,
the property of Government,
available, ^{that} or whether by some
other arrangements the total
cost involved cannot be
reduced. The Inspector
General is requested to place
himself, in communication
with the Collector of Madras
and ascertain whether
Government land is not
available. His attention is particularly
directed to the land on the
north side of the Grand
Canal.

7. The proportion of
charge for the subsidiary
buildings of the Cholera
Hospital is very large.

White

19
While the wards themselves
are estimated to cost Rs 5000
the subsidiary buildings
will cost 17,420 Rs. His
Excellency does not consider
that a residence should
be provided for the Apothecary.
A single room for the
medical officer when
actually on duty, and a
similar room for the
Apothecary with bath rooms
attached should be
provided. In this respect
the plan and estimate
seem susceptible of con-
siderable reductions.

8. The Government
are desirous that while
providing wards for treat-
ment of patients during
an outbreak of Cholera,
it

it should not be forgotten
that one of the principal
objects in view is to establish
a depot at which all the
medicines and apparatuses
tent or, for fitting and
cholera Hospitals of a
temporary character should
be stored. So that, as de-
scribed in para. 3 of the
G.O. of the 10th March 1869^{No 294},
"the locality for the Head
quarters of such an hospital
being fixed, it should be
on such a footing that on
the occurrence of a serious
outbreak of cholera a
Flying Hospital could at
once be detached from the
parent institution and sent
to the infected locality for
the treatment and study
of

8 21
of the disease."

9. The Inspector General
has framed a proposal
having these objects in view
which has been approved
by Government in their Order
dated 31st May 1869^{No 720}, and the
means of storing all the
appliances for a movable
hospital should be carefully
considered in framing the
plan and estimates for the
central depot, ^{In the plan submitted} the room
marked as "Stores" has, it
is true, been provided in
connection with the Dispensary,
but if a Hospital Camp
equipment is to be attached
to the depot some further
provision seems necessary.

10. The attention of Mr.
Mackenzie has been drawn
to

to a site that near the
Grand Jail which may be
suitable for the Cholera
Hospital and depot. but
it has also occurred to
Government that an al-
ternative plan might be
worked out, under which
the building known as the
"Jamegar Choultry Cholera
wards" might serve as the
basis of the new institution.

These wards are the
property of Government
and afford accommoda-
tion for Cholera patients
for that part of the town
when ~~the epidemic appears~~
Cholera is prevalent in a not severely
~~epidemic character~~. If
a sufficient space of
ground is taken for the
site of the proposed Cholera
Sheds

23
9
sheds and for the Subsidiary
buildings, stores, &c, the
object which the Government
have in view will probably
be more economically secured
than in any other manner.
The land, if not already
the property of Government
is probably of little value
and may be cheaply
secured. The neighbourhood
of the Depot being so high
and, however, not very close
does not appear to present
any substantial objection.

11. With these remarks
His Excellency the Governor
in Council directs that
the letter and plans and
estimates submitted to
Government by the
Superintending

Superintending Engineer
4th Division under date
14th May last be sent to
Mr. Macleay, who will
in communication with
the Superintending Engineer
and the Collector of Madras,
submit at an early date
a revised scheme for giving
effect to the instructions
of Government.

To the Sup^r Genl Secy^r Genl Secy^r
with 12 enclosures
Collector of Madras
- Pub: Water Works
- President M.C. Madras
- Sanitary Com^r

20/5/8

Cholera Hospital
London

Revised draft

I cordially agree to the formation of
a central Depot to which all the
medicines & apparatus for fitting
out Cholera Hospitals of a temporary
character should be stored and
attached to this latter I must I
think that there ought to be
Sheds for the admission of
cholera patients, exclusively, as
well as quarters for an apothecary
who would be named temporarily
for the charge of the institution
when it was called into activity.
But the sheds should be a cheap
or portable and the quarters for
the apothecary should merely
be a room adapted for temporary

residence. The store rooms for the
tents, beds & medical apparatus
should, of course, be sufficiently protected
and secure. I will not sanction the
purchase of ground except the
positively proved that there is no
gov. ground available. I think that
there would be room near
the grand jail on the north side
on gov. ground & other sites may
perhaps be suggested.

might also purchase the
hospital ward at the Monaghan
Shedding - which is a separate building
belonging to gov. - quite apart & even
distant from the other buildings - to make

29
the basis of the new settlement. -

N.

Public Department

PROCEEDINGS of the MADRAS GOVERNMENT.

Read the following letter

from the
Supt. Engr. to W. dated 14 May 1870 N. 651

Order thereon

I. D. S.

This is all in accord-
ance with orders already
passed by Govt. to have
untilled the soil.
At the same time I
must state that my
opinion is adverse to
the scheme.

On the score of expense.
Owing to the land, the
building will cost Rs.
25,000 at least. The work
should certainly be tiled.
The Supt. Engr. has to
figure wants in the way
of drainage & pipes, if we are

The recent outbreak of
Cholera in an epidemic form
in the Town of Madras has
again brought prominently to
the notice of Government the
necessity of having an hospital
specially devoted to the treat-
ment of Cholera cases in
some central situation.

2. His Excellency in
Council has considered the
plan and estimates sub-
mitted by the Superintending
Engr.

Engineer, Lt. Col., for such a hospital.

3. The Superintending Engineer has in the selection of the site for the hospital been aided by the Inspector General Indian Medical Service and the President of the Municipal Commission. The result of the consultation of these officers has been the selection of a site in Poppleman Broadway near the northern terminus of that street and which is now used as a depot for fire wood.

4. The probable value of the land is Rs 12000, and it is probable that it will be necessary to acquire it under the Land Acquisition Act of 1870.

5. His Excellency the Governor in Council approves of

to be in the Cholon
effectively in this way.
he shall need at least
3 hospitals - one for Black Town - 1 for Triplicane & 1 for Vepery. Are we likely to have 75000 Rs. or (in the cost of land) a less available?

The general design - I can not see why we should incur such heavy expenses for a temporary quarters. The wards cost Rs 5080 - and are temporary - the accessories are "pukka" & cost Rs 17,420.

Generally, I think the money would be much better spent in buying sites near our present hospitals & dispensaries on which temporary sheds could be quickly run up whenever cholera largely prevails. The Medical

Staff could always find if they have not / access. doctor close by. The amount of cholera or. diarrh. prevalent sh. be dealt with in our hospitals just as other diseases are -

I very much doubt if people will willingly come to a distant hospital & the patients will probably be restricted, before they are received.

I do not understand the design of a flying hospital. Doctors & Physic are all that are needed. The need is that.

With Sr. J. J.

of this site and directs that as soon as funds can be made available the necessary steps for its acquisition be taken.

6. The estimate for the hospital, which will contain 40 patients, and the necessary subsidiary buildings is Rs 22,500. It is derived from the estimate that the

wards of the proposed hospital are to be thatched, but as it would be dangerous to have thatched buildings in the centre of Black Town His Excellency in Council directs that tiles be used throughout the building. The estimate will be revised accordingly -

The Government

attach great importance to
the speedy construction of a
hospital which experience
has shown to be a great
public necessity. It is however
very doubtful whether so
large an amount as £3,000
will be available this
year. The plans and
estimates will be transferred
to the Public Works Department
which will determine whether
the site can be purchased
this year, and should this
not be possible for the in-
clusion of the total amount
required for the site and
hospital in the Budget of
1891-92.

I think a more able
hospital would not
be easily
desired.

Other minor objections
occur here - but as
I think to be few but seem
clearly to have settled
the matter.

L. D. P. 1897.

The matter has not
gone to the point of
commitment - we
have not yet decided if
we should or Friday
next.

A. A.

To the P.W. Department with plans
& estimates.
— Supp. Genl. Secy. Genl. Dept.
— Comptroller Genl.
— Accountant General.

(13)

Cont. of 118 } **ENDING**

Alto

To *The Mayor of New York City*

via.

Dated Aug. 15 }
Recd. } 1890, No. 973

Nos. 31, 31

Passing orders on the subject
of meeting a Committee
of Hospital at New York.

New York Oct. 1890