

File

MRO 1-77,006-8-6-37.

(1) Number of pages 115
(2) Date of repair 12/12/18
(3) Initials of the Referencer ---

MADRAS RECORD OFFICE.

Government of Madras.

Public works DEPARTMENT.

G.O. No. <u>50</u>	Press <u>Mis.</u>
<u>96-150</u>	
Dated <u>8-1</u> -- 18 <u>69</u>	

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
8th January 1869*

Read the following papers —

No 96 From Mr N A HARLEY, to the Secretary to Government, Military Department, Fort St George, dated Madras, 8th October 1868

On the 20th April last, I tendered certain landed property at Ennore to Government, but omitted to state that, while I considered it worth the price named in the letter, I would consent to part with the property for something less, should the Government valuator really think a reduction in price necessary. In bringing the subject now before Government, I beg to state I am open to a reasonable offer for my property at Ennore, and as I am desirous of winding up my accounts in connection with that property, I beg the favor of the early orders of Government on the point

TRANSFERRED to the Public Works Department, with reference to Proceedings of Government, No 2,352, dated 16th June 1868
FORT ST GEORGE,
9th October 1868
(Signed) C S ELLIOT, Lieut-Colonel,
Offg Deputy Secretary to Government.

TRANSFERRED to the Superintending Engineer of the 4th Division, who will report the progress that has been made in the preparation of the Plans and Estimate for the Sanitarium at Ennore for British Troops, called for in G O, No. 2,063, of the 30th June 1868

FORT ST. GEORGE,
12th October 1868.
(Signed) CHARLES A ORR, Colonel, R E,
Secretary to Government, P W. D.

No 97 From the Acting Superintending Engineer, 4th Division, to the Secretary to Government, Public Works Department, dated Madras, 17th November 1868, No 4,014.

1. With reference to your transfer endorsement, dated 12th October 1868, on the endorsement of the 9th idem of the Officiating Deputy Secretary to Government, in the Military Department, on Mr. Harley's letter of the 8th idem, I have the honor to forward a survey of Ennore with letters as per margin, showing the progress that has been made in carrying out the orders of Government as contained in No 2,063, of the 30th June 1868.

2 It appears that on the 21st July the Inspector General, British Medical Department, the Sanitary Commissioner, and the Superintending Engineer met at Ennore, and carefully went over the whole of the place (crossing the backwater also to inspect Mr Campbell's property), and the result was that they were unanimous in their opinion that the best site for a sanitarium is that which is shown in the Survey.

3 It will be seen that the area proposed to be taken up embraces the Government Salt platforms, the Police huts, and also the properties of Messrs. Bunny and Co.

and of the Nawab Mr Harley's property, the buildings on which are shown in the Survey colored red, and numbered 12, 13, 14, 15, 16, will not be required

4 The Survey shows distinctly the exact position that it is proposed to give to each of the new buildings to be constructed, and the plans and estimates of all these are under rapid preparation

5 Plans and valuation estimates have also been made of all the houses shown in the Survey, in the event of their being required to be purchased by Government for the Officers attached to the depôt. It will be seen that Messrs Bunny and Co's house is that which is proposed for occupation by the Commanding Officer, for which it is very conveniently situated, with reference to the position of the Barracks, &c.

6 Colonel Boileau placed himself in communication with the Revenue Board on the subject of their surrendering the Salt platforms, and their reply is herewith forwarded. It will be seen that the Board consider it undesirable, as far as the interests of the Salt department are concerned, to give up the platform

7 If then the site chosen by Drs Hadaway and Ranking and Colonel Boileau cannot be obtained, there seems no other suitable position except the compounds of the Club, of Mr Barnet's, Mr Harley's, and Mr Gilby's properties, the buildings on which are marked in red, and are numbered from 1 to 19. In that case the buildings would face the backwater lying parallel to its shore, whereas in the site chosen by the Officers before named, the principal buildings would face the sea at a distance of 400 feet, and have the backwater on their rear, at a like distance.

8. With a view to economising space, it is proposed so far to depart from the standard plan as to have three Barracks of three storeys on each, in lieu of five Barracks of two storeys. A letter from the late Acting Executive Engineer, Northern Range, Presidency, on this subject, is enclosed, as is also, for approval, a pencil plan of a Barrack with three storeys

9 It may be added, that information regarding the precise numbers for whom it is necessary to provide accommodation, was obtained from the Inspector General, British Medical Department, and a list of the buildings requiring to be constructed was obtained from the Quarter Master General's department

10 All the buildings will be on the standard plan, with the exception before noted.

Proceedings of the Board of Revenue, dated 6th November 1868, No 7,478
Read again letter from the Superintending Engineer, 4th Division, dated 27th July 1868, No 2,023, (Proceedings of the Board, dated 26th August 1868, No 6,134)
Read also the following letter from the Acting Collector of Madras, to the Acting Secretary to the Board of Revenue, dated Sydapet, 9th September 1868, No 285 —

1 With reference to the Board's Order, dated 26th ultimo, No. 6,134, I have the honor to forward copy of a report from the Deputy Collector in charge of the Salt regarding the Export Salt Platform at Ennore

2 Mr Smith reports that there is no other spot suitable for storing salt for export at Ennore. Mr Jones, Assistant Collector, also visited the spot at my request, and concurs with Mr Smith in this view.

3 If the site be urgently needed, for the Sanitarium buildings, the only alternative I can suggest will be to transfer the export platform to the spot near St Thomé proposed by Mr Fane in 1867, and to furnish it with salt from the Southern pans

4 I am of opinion that many advantages will be derived from this plan, and would respectfully urge on the Board a reconsideration of their order —

First — It would relieve the Northern pans of the duty of supplying salt for export, and would leave the entire amount manufactured available for the inland trade. The quantity taken by rail is yearly on the increase, and in the event of a succession of seasons like the present, a very serious deficiency might arise, notwithstanding the manufacturing area is being largely increased, this will be apparent when I mention that the quantity manufactured in all the northern pans during the current season, is less than half the average quantity sold annually at the Madras Kottars

Secondly — The proposed site would be far more convenient for shippers, both as regards the distance from their places of business in Madras, and more particularly as regards the supply of boats. The difficulty and expense of procuring boats, at Ennore, has almost put a stop to the trade for the present

Thirdly — It would lead to an increased sale of southern salt, the manufacturers have of late suffered much from the decrease in the sales at their pans, the quantity required from them from year to year being insufficient to enable them to manufacture with profit

5 As shown in the Proceedings above quoted, the site proposed is easily approachable by water, is within a stone's throw of the beach, and is nevertheless high enough to be above all fears of inundation, it has been occupied for years by a number of fishermen's huts, and is as high as the adjoining houses in St Thomé

ENCLOSURE No 1

From the Deputy Collector in charge of Salt, Madras, to the Acting Collector of Madras, dated 7th September 1868, No 206

1 With reference to your endorsement, No 287, on Board's Proceedings, dated the 26th ultimo, No 6,134, I have the honor to submit that, in my opinion, it would not be desirable to transfer the Salt depôt at Ennore from the southern to the northern side of the bar, for the following reasons —

(1) The only land which might be easily procured north of the bar, is that marked A in the accompanying sketch. This land, however, is not suited for the storage of salt, in consequence of its liability to be washed away at any great accession of water in the canal during floods. On such occasions, if there is a strong southerly wind blowing, and the bar is closed, the flood-water will naturally force its way out in a northerly direction, and endanger the salt stored in the locality. The bar, it must be remembered, does not open every year at the same place, and it would not, therefore, be safe to select ground for the storage of salt liable to the danger I have pointed out

(2) If this land be converted into a platform, it will be necessary for shippers to anchor their vessels north of the bar, to facilitate the transport of salt on board, after it has been weighed and conveyed to the beach. This, however, is a risk that they will not undertake, on account of the shallowness of the sea, at the anchoring ground, caused by the silt driven up by the force of the rushing water at the opening of the bar

(3) The increased cost of conveying the salt from the pans to the proposed locality, which is a mile at least from the place to which the salt is now brought for storage on the existing platform, forms a serious obstacle to the arrangement. If this additional cost is added to the price of export salt, it will so enhance it as to render exportation at Ennore virtually a prohibition.

(4) The danger of salt boats swamping, when moored in the open expanse of backwater at the margin of which the depôt must be located to facilitate unloading, is an objection also worthy of consideration. When the south or west wind blows with force, the water rises in waves, beats into the laden boats, and causes them to founder. Although the bend in the canal, at the site of

*Proceedings of the Madras Government, Public Works Department,
8th January 1869.*

the present mooring ground, affords some degree of shelter to salt boats, hardly a year passed without one or two boats sinking with their contents into the water from the above-mentioned cause

2 The lands marked B and C are not available, being private properties. With the exception of the first of the objections above assigned, the remaining three apply to their localities with more or less force, while the cost of conveying the stored salt from B and C to the beach for exportation, will be very much greater than from A.

3. The present site is convenient to shippers, who can have access to the depot in an hour and-a-half, by the good road which connects it with Madras. This is a point of great importance to the Commanders of first-class vessels, who have business to transact with their Agents in Madras, and is one of the causes of the large exportations that have been made from Ennore for some years past.

* Fusly	In Mds
1273	1,12,222
1274	1,01,677
1275	3,44,047
1276	1,02,809
1277	28,021
Average	1,33,357

4 Under these circumstances, and looking to the large quantities of salt annually exported from Ennore, it appears to me that the interest of shippers, as well as of Government, suggest the desirableness of the depot being retained in its present site, and that its transfer to any locality north of the bar will practically be a useless arrangement so far at least as exportation is concerned.

ENCLOSURE No 2—Sketch.

COMMUNICATED to the Superintending Engineer, 4th Division, who will perceive that the abandonment of the Export Salt Platform at Ennore, in order to render the site available for the proposed Marine sanitarium, is undesirable as far as the interests of the Salt Department are concerned. The only other available site for an export platform in the vicinity of the Ennore pans, is shown by the Deputy Collector to be unsuited for the storage of salt, and inconveniently situated for vessels engaged in the trade.

2 The scheme for transferring the export platform to St Thomé, which is again brought forward in the Acting Collector's letter of the 9th ultimo, was not approved by the Board when submitted by Mr Fane in 1867. The reasons of the Board for not complying with that proposal are contained in the Board's Proceedings, dated 28th May 1867, No 3,283, and need not be recapitulated here. It is true that the increasing difficulty of obtaining boats at Ennore is in favour of the proposal, and it further appears that the land at St Thomé is not liable to inundation as supposed by the Board, but there are valid objections to the scheme which are not met in the Acting Collector's letter above recorded.

3 Should no other site be available for the Marine sanitarium, and should it be determined that the site of the Ennore Export Platform must be given up to make way for the sanitarium, the export of salt will be then confined to the Madras platforms.

4 The Board do not concur with the Collector in the necessity for a new export platform to the south of Madras near Parry Castle when the canal is completed it will be freely made use of for the produce of the Southern pans.

(True Copies and Extracts)

(Signed) F BRANDT,
Acting Sub-Secretary

From the Executive Engineer, No 1 or Northern Range, Presidency, to the Superintending Engineer, 4th Division, dated Fort St George, 28th October 1868, No. 1,276

Two Plans

the construction of the Barracks at the Ennore Sanitarium, on which depends the arrangement of the various buildings.

1. I have the honor to refer, for your instructions, a difficulty which has arisen regarding the construction of the Barracks at the Ennore Sanitarium, on which depends the arrangement of the various buildings.

*Proceedings of the Madras Government, Public Works Department,
8th January 1869*

2 I have twice met the Inspector General, Medical Department, and Sanitary Commissioner on this subject. They are anxious to place all the buildings on the two properties nearest the mouth of the backwater, those belonging to Messrs Binny and to Veeraperumal Pillay; the ground immediately south of the latter on the sea-face is low barren sand.

3 To effect this I proposed to build the Hospital and Barracks in three stories. The two upper floors affording sleeping accommodation, and the lower, Mess and Recreation rooms, School, Stores, &c.

4 The standard plans in my Office provide for only two storied buildings, in the ground floors of which are placed workshops, &c., suited for the wing of a Regiment, but which are not considered necessary for invalids or men remaining only for a few days en route to England or to their Regiment. The centre too of each block is left unmarked for general use.

5 In the accompanying sketches I have shown how I propose to provide all the space needed in three three-storied barracks and five two-storied barracks. After supplying sleeping accommodation for 200 men, there will be a space of 73 x 24 (affording rooms for twenty more men) in an upper story in the former, and six spaces in all 293 x 24, but on the ground floor, in the latter.

6 I believe two three-storied barracks should cost less, both in original expense and in maintenance, than three storied, so far as I can find from my office they actually cost the same.

7 The question is, however, now between building five two-storied or three three-storied, and there can be very little doubt of the latter being cheaper if there be no other objection. I believe that Sanitary authority is in favour too of the higher buildings. I cannot, however, find any opinion of Government on the subject, and I should be glad to know whether they would object before I commence the detailed estimates.

BARRACK AND HOSPITAL ACCOMMODATION.

Accommodation	Cubic space per man	Superficial area per man	Remarks
In Barracks, varying according to the amenity of the position	From 1,000 to 1,500 cubic feet	From 80 to 100 square feet	} G O C C, No 111 dated 1st December 1864
In European Hospitals in the plain		120	
Do at hill stations		102	} G O C C, No 2 dated 3rd January 1868
In convalescent wards		90	

Barrack accommodation at Ennore for 200 men

Hospital do do for 80 patients

Vide letter to Government, dated 14th December 1867, No 289

(Signed) W VENOUR,

Secretary Inspector General,

British Medical Service

30th June

Docket from the Deputy Assistant Quarter Master General, Centre Division, to the Superintending Engineer, 4th Division, dated Fort St George, 14th August 1868, No 3,200

His letter No 1,984 of 25th July 1868

No A 1 687 of 5th August 1868, from Officer Commanding Poonamallee
No 326 of 12th August 1868, from Secretary, Inspector General, British Medical Service

Forwards copies of letters as per margin containing list of buildings required to be erected at Ennore in connection with the sanitarium proposed to be established there.

Also requests that the new buildings required at Ennore may be entered in the Budget Lists for 1869-70, called for in this Office No 3,121, of 7th August 1868, and forward the same with an estimate of the probable cost of construction at his earliest convenience to complete the Division Budget.

By Order,

(Signed) J EWING, Captain,

Dy Asst Qr Mr Genl Centre Division

*Proceedings of the Madras Government, Public Works Department,
8th January 1869.*

From the Secretary to the Inspector General, British Medical Service, to the Deputy Assistant Quarter Master General, Centre Division, dated Madras, 12th August 1868, No 326-68

I have the honor to acknowledge your letter No 3,137, dated 8th August 1868, with enclosure,* herewith returned. The Inspector General desires me to inform you that he approves of the list of accommodation for the proposed Marine Sanitarium at Ennore, furnished by the Officiating Commandant at Poonamallee, with the addition of quarters for two Medical Officers Barracks for 200 men, with Hospital accommodation for eighty sick, and two additional wards for segregating purposes

From the Officiating Commandant, Poonamallee, to the Deputy Assistant Quarter Master General, Centre Division, dated Poonamallee, 5th August 1868, No A-1,687

I have the honor to acknowledge the receipt of the Proceedings of the Madras Government, with Order No 2,352, dated 16th June 1868, which is herewith returned as requested, and to furnish a list as under, of the various buildings required to be erected at Ennore in connection with the sanitarium proposed to be established there, as requested in your Memorandum No 3,067, of the 3rd instant, viz —

- 1 Barracks and Family quarters
- 2 Hospital with Surgery and quarters for Apothecaries and Hospital Sergeant } As per Proceedings in Estimate of Government
- and Hospital Guard-room, with Prisoners' Ward, Purveyor's store room.
- 3 Canteen
- 4 Sergeants' Mess
- 5 Officers' Mess
- 6 Quarter Master's Stores
- 7 Store Room for each Corps composing the Sanitarium for arms and kits of men in Hospital
- 8 Library and Reading room
- 9 Coffee shop and Recreation room
- 10 School with quarters for Schoolmaster and Schoolmistress
- 11 Military Prison
- 12 Barrack Guard-room with Day-room for Prisoners awaiting disposal, attached
- 13 Bath and ablution rooms
- 14 Staff Sergeants' quarters, viz —
Sergeant Major
Quarter Master Sergeant (probably)
Barrack Sergeant
Commisariat Sergeant
Paymaster's Clerk } probably, should the strength increase,
Orderly-room Clerk }
- 15 Staff Office } with Guard-room
- 16 Pay Office }
- 17 Latrines, European and Native
- 18 Ball Alley, Racket Court, Skittle Alley
- 19 Commisariat Godowns
- 20 Sheds for Sick Carts, semi-permanent if in the vicinity of the Barrack guard, otherwise permanent.
- 21 Bullock lines
- 22 Cook houses for Men
Do Families
Do Sergeants' Mess.

I beg to state that I have estimated the above, judging from the requirements of this Depot, and submit the list for any alteration you may deem necessary.

*Proceedings of the Madras Government, Public Works Department,
8th January 1869.*

From the Executive Engineer, No 1 or Northern Range, Presidency, to the Superintending Engineer, 4th Division, dated Fort St George, 21st October 1868, No 1,248

1 In reply to your No 3,505, 19th instant, I have the honor to report that the survey of the ground at Ennore is completed, all the existing buildings have been measured, plans of them drawn, and estimates prepared. As soon as the weather allows, I propose to go to Ennore and arrange for the calculation of depreciation, as ordered in your No 3,500

2 I yesterday met the Inspector General, Medical Department, and Sanitary Commissioner, to arrange the sites for the buildings. The standard plans afford (as it appeared to those gentlemen) more accommodation than is necessary for invalids or merely passers-through in the way of work rooms, &c, &c, located in the ground floors

3 It is proposed, therefore, to build three storied barracks of the standard plan, five of which will afford the same sleeping accommodation as ten two-storied barracks, and of course take up far less ground.

4 It is proposed to deal similarly with the Hospital. There is no standard plan for eighty men (the number allowed), and I am obliged to modify the plan accordingly

5. The sketches will be ready to-morrow to suit these views, and I am to meet the two gentlemen again on Saturday to arrange the site of each building, after which I hope there will be no difficulty in putting all the detailed plans, &c, in hand

No. 98 to 100. ORDER THEREON, 8th January 1869, No 50.

MILITARY WORKS, No 6

1 The Government do not consider it desirable that the buildings to be erected in connection with the proposed Marine Sanitarium at Ennore, should face the backwater, or that any of them should be three stories high. They accordingly direct that the site chosen by Drs. Hadaway and Ranking and Colonel Bodeau be adhered to, and that, in preparing the detailed plans and estimates, which should be laid before Government in a complete and definitive form, the standard plan of a double storied barrack be followed

2 Under these circumstances, Mr Harley will be informed that the property tendered by him for sale will not be required

3 The subject of paragraph 6 of the letter recorded at the head of these Proceedings will be referred to the Revenue Department for consideration and disposal

(True Extract)

Colonel, R E,
Secretary to Government

To the Superintending Engineer, 4th Division
.. Military Department
.. Revenue do
To Mr N A Harley.

Exd S T Augustin

PUBLIC WORKS.

It

THE SUPERINTENDING ENGINEER

4117 2001 105

4, 4, 4

D. I. J. J. J. J. J.

Her

U. S. 11th January 1900, No 70

JANUARY.

7-10-1950

From Sanitary at Lunn, please
orders on papers relative to the
and the manner in which the
required in connection with the
Sanitary at Lunn, please
are to be executed.

$$\begin{array}{r} 326 \\ \times 2 \\ \hline 652 \end{array}$$

Office of Inspector General
British Medical Service
Madrass 12th August 1868

Dr.

I have the honor to acknowledge your letter No. 3137
- Letter from Officiating dated 8th August 1868. with enclosure herewith returned, The
Commandant Ponnammallee
45th August/68 No. 2/1637
Inspector General desires me to inform you that he
approves of the list of accommodation for the proposed Marine
Sanitarium at Ennore furnished by the Officiating
Commandant at Ponnammallee with the addition of
Quarters for 2 Medical Officers. Barracks for 200 men
with Hospital accommodation for 80 sick and 2
additional Wards for segregating purposes.

I have the honor to be &c &c

(Signed) W. Tennant
Secretary Inspector General
B. M. S.

2

The Deputy Assistant Quartermaster General
Centre Division
Fort Saint George

True Copy,

John Living Captain
 Dy Asst Quarter Master General
 Centre Division

in the Budget List for 1869/70 called
for in this Office No. 3121 of 7th August
1868 and forward the same with an estimate
of the probable cost of construction at his
earliest convenience to complete the Division
Budget.

(By Order)
/ Signed / John Ewing Captain
Deputy Asst. Secy. Mr. Genl. C. D.

(True Copy)
Henry L. Collier
Inch: Supz Engrs Office &c

10/11/4.9.23/1882

23314/43

No. 4/607 of 5th August 1868 from Officer Commanding
 Coonamallee.
 No. 326 of 12th do from Secretary Inspector
 British Medical Service.

Depy. Asst. Secy. Mr. Genl. Secy.
 Fort Saint George 14th Aug 1868
 No. 3200

From,
 Depy. Asst. Secy. Mr. Genl. Secy.
 Centre Division
 To, The Superintending Engineer
 1st Div.
 Madras

This letter No. 1934 of 25th July 1868
 of 14th 7th 1868.

Forwards copies of
 letters as per margin con-
 taining list of Buildings
 required to be erected at
 Ennore in connection with
 the Sanatorium proposed
 to be established there
 also requests that the new
 buildings required at
 Ennore may be entered in

No 7,878

PROCEEDINGS OF THE BOARD OF REVENUE, dated 6th November 1868

Read again letter from the Superintending Engineer, Fourth Division, dated 27th July 1868,
 No 2,023, (Proceedings of the Board, dated 26th August 1868, No 6,134)

Read also the following letter from G THORNHILL, Esq, Acting Collector of Madras, to the Acting
 Secretary to the Board of Revenue, dated Sydapet, 9th September 1868, No 285 —

With reference to the Board's Order, dated 26th ultimo, No 6,134, I have the honour to for-
 ward copy of a report from the Deputy Collector in charge of the Salt regarding the Export Salt
 Platform at Ennore

2 Mr Smith reports that there is no other spot suitable for storing salt for export at Ennore
 Mr Jones, Assistant Collector, also visited the spot at my request, and concurs with Mr Smith in
 this view

3 If the site be urgently needed for the sanitarium buildings, the only alternative I can sug-
 gest will be to transfer the export platform to the
 spot near St Thomé proposed by Mr Fane in 1867,
 Board's Proc., dated 23rd May 1867, No 3,233

and to furnish it with salt from the Southern pans

4 I am of opinion that many advantages will be derived from this plan, and would respect-
 fully urge on the Board a reconsideration of their order —

First — It would relieve the Northern pans of the duty of supplying salt for export, and
 would leave the entire amount manufactured available for the inland trade The quantity
 taken by rail is yearly on the increase, and in the event of a succession of seasons like the
 present, a very serious deficiency might arise, notwithstanding the manufacturing area is
 being largely increased, this will be apparent when I mention that the quantity manufactured
 in all the Northern pans during the current season is less than half the average quantity sold
 annually at the Madras Kottars

Secondly — The proposed site would be far more convenient for shippers, both as regards
 the distance from their places of business in Madras, and more particularly as regards the
 supply of boats The difficulty and expense of procuring boats, at Ennore, has almost put a
 stop to the trade for the present.

Thirdly — It would lead to an increased sale of southern salt, the manufacturers have
 of late suffered much from the decrease in the sales at their pans, the quantity required from
 them from year to year being insufficient to enable them to manufacture with profit

5 As shown in the Proceedings above quoted, the site proposed is easily approachable by
 water, is within a stone's throw of the beach, and is nevertheless high enough to be above all fears of
 inundation, it has been occupied for years by a number of fishermen's huts, and is as high as the
 adjoining houses in St Thomé

ENCLOSURE No 1

From A SMITH, Esq, Deputy Collector, in charge of Salt, Madras, to the Acting Collector of
 Madras, dated 7th September 1868, No 206

With reference to your endorsement, No 287, on Board's Proceedings, dated the 26th ultimo,
 No 6,134, I have the honour to submit that, in my opinion, it would not be desirable to transfer the
 Salt depot at Ennore from the southern to the northern side of the bar, for the following reasons —

(1) The only land which might be easily procured north of the bar, is that marked
 A in the accompanying sketch This land, however, is not suited for the storage of salt, in
 consequence of its liability to be washed away at any great accession of water in the canal
 during floods On such occasions, if there is a strong southerly wind blowing, and the bar
 is closed, the flood-water will naturally force its way out in a northerly direction, and endan-
 ger the salt stored in the locality The bar, it must be remembered, does not open every year
 at the same place, and it would not, therefore, be safe to select ground for the storage of salt
 liable to the danger I have pointed out

(2) If this land be converted into a platform, it will be necessary for shippers to anchor their vessels north of the bar, to facilitate the transport of salt on board, after it has been weighed and conveyed to the beach. This, however, is a risk that they will not undertake, on account of the shallowness of the sea, at the anchoring ground, caused by the silt driven up by the force of the rushing water at the opening of the bar.

(3) The increased cost of conveying the salt from the pans to the proposed locality, which is a mile at least from the place to which the salt is now brought for storage on the existing platform, forms a serious obstacle to the arrangement. If this additional cost is added to the price of export salt, it will so enhance it as to render exportation at Ennore virtually a prohibition.

(4) The danger of salt boats swamping, when moored in the open expanse of back-water at the margin of which the depôt must be located to facilitate unloading, is an objection also worthy of consideration. When the south or west wind blows with force, the water rises in waves, beats into the laden boats, and causes them to founder. Although the bend in the canal, at the site of the present mooring ground, affords some degree of shelter to salt boats, hardly a year passes without one or two boats sinking with their contents into the water from the above-mentioned cause.

2 The lands marked B and C are not available, being private properties. With the exception of the first of the objections above assigned, the remaining three apply to their localities with more or less force, while the cost of conveying the stored salt from B and C to the beach for exportation, will be very much greater than from A.

3 The present site is convenient to shippers, who can have access to the depot in an hour-and-a-half, by the good road which connects it with Madras. This is a point of great importance to the Commanders of first-class vessels, who have business to transact with their Agents in Madras, and is one of the causes of the large exportations that have been made from Ennore for some years past.

Yearly	In Mds
1273	1,12,222
1274	1,01,677
1275	3,41,017
1276	1,02,809
1277	28,031
Average	1,38,357

4. Under these circumstances, and looking to the large quantities of salt annually exported from Ennore, it appears to me that the interests of shippers, as well as of Government, suggest the desirableness of the depot being retained in its present site, and that its transfer to any locality north of the bar will practically be a useless arrangement so far at least as exportation is concerned.

(True Copy)

(Signed) G THORNHILL,
Acting Collector.

ENCLOSURE No 2 —Sketch.

COMMUNICATED to the Superintending Engineer, Fourth Division, who will perceive that the abandonment of the Export Salt Platform at Ennore, in order to render the site available for the proposed Marine sanitarium, is undesirable as far as the interests of the Salt Department are concerned. The only other available site for an export platform in the vicinity of the Ennore pans, is shown by the Deputy Collector to be unsuited for the storage of salt, and inconveniently situated for vessels engaged in the trade.

2 The scheme for transferring the export platform to Saint Thomé, which is again brought forward in the Acting Collector's letter of the 9th ultimo, was not approved by the Board when submitted by Mr Fane in 1867 the reasons of the Board for not complying with that proposal are contained in the Board's Proceedings, dated 28th May 1867, No 3,283, and need not be recapitulated here. It is true that the increasing difficulty of obtaining boats at Ennore is in favour of the proposal, and it further appears that the land at Saint Thomé is not liable to inundation as supposed by the Board, but there are valid objections to the scheme which are not met in the Acting Collector's letter above recorded.

3 Should no other site be available for the Marine sanitarium, and should it be determined that the site of the Ennore Export Platform must be given up to make way for the sanitarium, the export of salt will be then confined to the Madras platforms.

4 The Board do not concur with the Collector in the necessity for a new export platform to the south of Madras near Parry Castle when the canal is completed it will be freely made use of for the produce of the Southern pans.

(True Copies and Extract)

(Signed) F BRANDT,
Acting Sub-Secretary.

To the Superintending Engineer, Fourth Division,
with Sketch to be returned

Copy to the Acting Collector of Madras

Ed J Wright

N. 1276.

From

The Executive Engineer
No. 1 or Northern Range

To

The Superintending Engineer
4th Division
Madras

Sir

I have the honor to refer for your instructions a difficulty which has arisen regarding the construction of the barracks at the Ennore Sanitarium on which depends the arrangement of the various buildings.

2. I have twice met the Inspector General, Med. Department and Sanitary Com. on this subject. They are anxious to place all the buildings on the two properties nearest the mouth of the backwater those belonging to Messrs. Pinnu and to Vessaperumal Pillay, the ground immediately south of the latter on the sea face is low barren sand.

3. To effect this I proposed to build the hosp^l and barracks in 3 stories. The two upper floors affording sleeping accommodation and the lower mess & recreation rooms, school, stores

BOARD OF REVENUE, MADRAS.
1868.

PROCEEDINGS, 6TH NOVEMBER 1864, NO 7,878.

Encl.

Received

1864.11.4.9.3.1868

NOVEMBER
No 7,878.

Report Salt Platform at Tinore in Madras District.—Collector's report on proposed abandonment of, to render site available for Marine Sanitarium, communicated to Superintending Engineer 4th Division.—Collector's proposals to transfer platform to Saint Thome, and to open a new one near Pary Castle, objected to.

4. The Standard plans in my Office provide for only 2 storied buildings; on the ground floors of which are placed workshops &c suited for the use of a Regiment, but which are not considered necessary for invalids or men remaining only for a few days enroute to England or to their Regiment. The penthouse top of each block is left unmarked for general use.

5. In the accompanying sketches I have shown how I propose to provide all the space needed in three 3 storied barracks and five two storied barracks. After supplying sleeping accommodation for 200 men there will be a space 73×24 . (affording rooms for 20 more men) in an upper story in the former, & six spaces in all 293×24 , but on the ground floor, in the latter.

6. I believe 2 three storied barracks should cost less both in original expense and in maintenance than 3 storied. So far as I can find from my office they actually cost the same.

7. The question is however now between building 5 two storied or 3 three storied and there can be very little doubt of the latter being cheaper if there be no other objections. I believe that Sanitary authority is in favour too of the higher buildings. I cannot however find any opinion of Govt. on the subject and should be glad to know whether they would object before I commence the detailed estimates.

I have the honor to be
Your most Obedt Servt

Portsmouth
28 October 1868

J. M. M. M.
Lieut. Col. R. B.
Executive Engineer A. & N. R. Co.

Barrack and Hospital Accommodation

Accommodation	From	To	Remarks
In Barrack, varying according to the number of the Division	100	150	1864
In European Hospital in the plain	120	102	1866 No. 2 dated 3rd January 1868
In Convalescent Wards	90		

Barrack Accommodation at Enniscorthy for 200 men
 Hospital — — — — — for 80 patients
 Vide Letter to Government dated 14 Decr/64 No. 289
 J. F. Keenan
 Secy. G.
 Lt. Genl. Keenan
 Do. Genl.

From

Mr. Dr. Dr. Dr. Dr.

Mr. Dr. Dr. Dr.

Mr. Dr. Dr. Dr.

Mr. Dr. Dr. Dr.

Mr. Dr. Dr. Dr.

Mr. Dr. Dr. Dr.

Mr. Dr. Dr. Dr.

Mr. Dr. Dr. Dr.

Mr. Dr. Dr. Dr.

Mr. Dr. Dr. Dr.

X

31

On the morning of
the 31st of August
I was taken to
the hospital - etc.

N. 1248

From

The Executive Engineer
N. 101 N. Range

To

The Superintending Engineer
4 Division

To
The Inspector General
B. Ind. Ser.

Dated
22nd Aug, 1868

At
22

N. 1248

Memo Sharn
Ranast & Ranast
Accommodation

In

In reply to your N. 3505. 19th Inst
I have the honor to report that the survey of
the ground at Emore is completed, all the
existing buildings have been measured; plans of
them drawn & estimates prepared as soon as
the weather allows I propose to go to Emore
& arrange for the calculation of depreciation
as ordered in your N. 3500

2. Yesterday met the Inspt Genl
Medl Depart & Sanitary Commissioner to arrange
the sites for the buildings. The standard plans
afford (as it appeared to those gentlemen) more
accommodation than is necessary for invalids or
merely passers through in the way of workrooms
& are located in the ground floors
3. It is proposed therefore to build

3 storied barracks of the standard plan 5 of which will afford the same sleeping accommodation as 10 two storied barracks, and of course take up far less ground.

4 - It is proposed to deal similarly with the hospital. There is no standard plan for 80 men (the number allowed) and I am obliged to modify the plan accordingly.

5 The sketches will be ready to-morrow to send these views of I am to meet the 2 gentlemen again on Saturday to arrange the site of each building after which I hope there will be no difficulty in putting all the detailed plans &c in hand.

I have the honor to be
Sir
Yours most Obedt Servt

Fort Smith group
21st October 1868

H. Liebeck
Lieut. Col. R.E.
Ex. Engineer, N. 1 on 100 R.

10
No 1687

Ponnamallee 5th August 1868
29

Sir

I have the honor to acknowledge the receipt of the Proceedings of the Madras Government with order No. 2352 dated 16th June 1868 which is herewith returned as requested, and to furnish a List as under of the various buildings required to be erected at Ennore in connection with the sanitarium proposed to be established there as requested in your Memo No. 3087 of the 30th Instant.

Viz

- 1 Barracks and Family quarters
- 2 Hospital with Surgeon and quarters for Apothecaries and Hospital Surgeant and Hospital Guard room with Prisoners Ward Purveyors store room
- 3 Canteen
- 4 Sergeants Mess
- 5 Officers Mess
- 6 Quarter Master Stores
- 7 Store room for each Corps composing the Sanitarium
- 8 Servants and Kitchens
- 9 Library and Recreation Room
- 10 School with quarters for Schoolmaster and
- 11 Military Prison

as per
Estimate in
Proceedings
of Government

From
The Lt. Col. M.

To the Lt. Col. M.
No 428
Dated 24th October 1868
J.M. 12.18

Regarding the

progress made upon the
Ennore Sanitarium Project

At Ennore -

1868/10/24/1687

- 12 Barrack Guardroom with the dry room for Prisoners awaiting disposal attached
- 13 Bath and ablution rooms
- 14 Staff Sergeants quarters Viz.
Sergeant Major
Quarter Master Sergeant (probably)
Barrack Sergeant
Commisariat Sergeant
Paymaster Clerk & Probably should the
Orderly room Clerk & strength increase
- 15 Staff Office } with Guard Room
- 16 Pay Office }
- 17 Latrines European and Native
- 18 Ball alley Picket Court Kettle Alley
- 19 Commisariat Godowns
- 20 Sheds for Pick Carts semipermanent if
in the vicinity of the Barrack Guard
otherwise permanent
- 21 Bullock lines
- 22 Cook houses for all
de. " " Hamulus
de. " " Sergeants Mess

I beg to state that I have esti-
-mated the above Judging from the require-
-ments of this Depot and submit the List
for any alteration you may deem necessary

I have the honor to be

/Signed/ J Mc Mullen Captain
Offr Commandant Poornamallee

/True Copy/

Wm King Captain
by apt J. G. Gault

Major General H. Marshall
Secretary to Government
in the Military Department
Fort St. George.

Sir

On the 20th April last I tendered certain
landed property at Cannore to Government,
but omitted to state that, - while I considered
it worth the price named in the letter, - I would
consent to part with the property for something
less, should the Government Valuator really
think a reduction in price necessary. In
bringing the subject now before Government
I beg to state that I am open to a reasonable offer
for my property at Cannore; - and, as I am desirous
of winding up my accounts in connection with
that property, I beg the favor of the early
orders of Government on the point

I am

Sir

Your most obedient servant
N. P. Harley

Madras: 8 October 1888.

29.16 June 1868

27 N 113 E 212 1862

William 1888 24th

6/10 5737

Mon Alfred Stanley

Fortain Range
9th October 1868

W 8.1 } October 1868
E 9.1 }
1862 10 Oct 1868

transferred to the
Public Works Department
and with reference to
the Grant #23352,
dated 15th June 1868

Wm Smith & Co
Off 5.14.6 Grant

stating that he
will trade with his
property at Sumner
promising less
than the price fixed
in the former letter

transferred

S.M.
p.

W 168 Sep^{re}
 Pro of Govt for Summary
 No 3935

Transferred to the
 Supy Engineer of the 4th Divⁿ
 who will report the progress
 that has been
 made in the preparation of
 the plans and estimates for
 the Sanitarium at Emore
 for British Troops called
 for in G O No 2063 of the
 30 June 1868

From
 Mr A A Harley
 This the 11th Sep^{re}

28 8 3 Oct 68.
 No 4493/48

Chas. A. M. Col. R.R.
 Secy to Govt. P.D.
 Fort St George
 12 Oct 1868

To the Supy Engineer
 of the 4th Divⁿ
 147

Transferring a
 letter from Mr Harley
 tendering, at a reduced
 price, his property at
 Emore which may
 be required in connec-
 -tion with the proposed
 sanitarium for British
 Troops at that place

Transferred
 No 50 - 8th Jan 1869.

Circulation for
 orders -

Chas. A. M. Col. R.R.
 Secy to Govt. P.D.

28 8 3 Oct 68.
 No 4493/48

I would not entertain the view of
 making the Sanitarium to face the
 backwater as to make any portion
 of the building three stories high.
 I will adhere to the localities and
 the standard plan contemplated

by Dr. Badawonghanting and since
the plan is worked out & presented
to you in a complete & definite
form. -

The question of the salt platform is one
which I cannot determine at present.

I will have the proceedings of the
Board of Revenue of May 28. 1868
Vol. 3. 283. in which the reasons
the Board stated to be entailed
for declining the proposal made by
Mr. Fox & repeated by Mr. Hinchell
to do away with this platform
altogether & open one at P. Hone!

I thought this project of
establishing a Sanitary Commission at Ennore
was now looked upon as a Sanitary vision
0 - Jan 1868

N^o 4044 Superintending Engrs' Office 4th Bn
Madras 17th November 1868

39

From
Lieut Colonel J Bean R E
In charge of the Office of Superintending Engrs 4th Bn

To
Colonel C A Orr R E
Secretary to Government P. W. D.

Sir,
With reference to your transfer
Endorsement dated 12th October 1868, on the
Endorsement of the 9th Idem of the Officiating
Deputy Secretary to Government in the Military
Department, on Mr. Stanley's letter of the 8th
Idem I have the honor to forward

a Survey of Ennore with letters
as per margin, showing the progress
that has been made in carrying
out the Orders of Government as
contained in N^o 2063 of the 30th
June 1868.

2. It appears that on the 21st
July, the Inspector General
British Medical Department,
the Sanitary Commissioner, and the
Superintending

- Enclosures 9
- 1 Survey
- 1 Proceedings of Board
of Revenue
- 1 Original letter
with Govt Endorsement
- 1 Ex Engr's letter N^o 1276
dated 28 Oct^r 1868
- 2 General Plans of Barracks
- 1 Memo showing Barracks
at Ennore, Accommodating
Docket from the Engrs' Office
N^o 3200 dated 14 Aug^r 1868
- 1 Letter from Engrs
N^o 1248 dated 21st Oct^r 1868.

Superintending Engineer met at Ennore and carefully went over the whole of the place (crossing the Backwater also to inspect Mr. Campbell's property), and the result was that they were unanimous in their opinion that the best site for a Sanitarium is that which is shown in the Survey.

3 It will be seen that the area proposed to be taken up embraces the Government Salt Platforms, the Police huts, and also the properties of Messrs. Bunny & Co. and of the Nawab. Mr. Harley's property the buildings on which are shown in the Survey colored red, and numbered 12, 13, 14, 15, 16 will not be required.

4. The Survey shews distinctly the exact position that it is proposed to give to each of the new Buildings to be constructed, and the Plans and Estimates of all these are under rapid preparation.

5 Plans and Valuation estimates have also been made of all the houses shown in the Survey in the event of their being required to be purchased by Government for the Officers attached to the Depot.

It will be seen that Messrs. Bunny & Co. House is that which is proposed for occupation by the Commanding Officer for which

41
it is very conveniently situated with reference to the position of the Barracks &c. Colonel Boileau placed himself in communication with the Revenue Board on the subject of their surrendering the Salt Platforms and their reply is herewith forwarded. It will be seen that the Board consider it undesirable as far as the interests of the Salt Department are concerned to give up the Platforms.

If then the site chosen by Mr. Haslam, and Park King, and Colonel Boileau cannot be obtained, there seems no other suitable position except the compromise of the site of Mr. Barnett, & Mr. Harley, & Mr. Gilby's properties, the buildings on which are marked in red, and are numbered from 1 to 19. In that case the buildings would face the backwater lying parallel to its shore, whereas in the site chosen by the Officers before named, the principal buildings would face the sea at a distance of 400 feet, and have the backwater on their rear at a like distance.

8. With a view to economising space it is proposed so far to depart from the standard plan as to have 3 Barracks of 3 Officers on each, in lieu of 5 Barracks of 3 Officers on each.

of 2 storeys. A letter from the late Acting
Executive Engineer Northern Range Presiding
on this subject is enclosed, as is also for
approval, a pencil plan of a Barrack
with 3 storeys.

9. It may be added that information
regarding the precise numbers for whom
it is necessary to provide accommodation
was obtained from the Inspector General
British Medical Department and a List
of the Buildings requiring to be constructed
was obtained from the Quarter Master
General's Department.

10. All the buildings will be on
the standard plan with the exception
before noted.

I have the honor to be
Sir

Your Most Obedient Servant

Wm. Storer,

In ch. of the Office of
Superintendent, 4th Div.

27/1/69
To the Secy to Govt
P.W.D.

The Supy Engineer.

1. Dunsen

To

The Secretary to Govt

P.W.D.

1030-83 June 1869.

Dated 17th Nov 68

Recd. 11th 3rd Dec 68

14044

Submitting with

remarks a survey of Barracks
with Letters shewing the
progress that has been
made in carrying out

the orders of Government
as contained in No 2063
of the 30th June 1868
For orders

sk 97

26 Nov 68

Regarding Capitulation at Amoy.
Memo: 45

Requests to Return 1 Survey & 2 Pencil Plans of
Barracks which accompanied the As Supy
Engineer's letter No 4044 dated 17th November 1868.
to Secy to Government P.W.D.

Suppy Office
for Division
Madras
19th January 1869

Sam Francis
Manager

To The Chief Assistant Registrar
The Secretary to Govt P.W.D.
Fort St George.

Proceedings of the Madras Government

Under date the 8th June 1869

Read the following

From Mr. N. A. Hurley M.A. the 2nd Div. of the 1st B. & N. dated 8th Octr/68
From The Supy. Engrs. H. & J. A. E. & A. & A. dated 17th Novr/68

The Govt do not con-
sider it desirable that
the buildings to be erected
in connection with the pro-
posed Marine Sanitari-
um at Lynce, should
face the backwater,
or that any of them
should be three stories
high. They accordingly
direct

W. A.
M. A.

direct that the site cho-
-sen by ^{Mr.} Hadaway and
Ranking and Colonel Boi-
-lean be adhered to,
and that, in preparing
^{the} detailed plans and
estimates, which should
be laid before Govt.
in a complete and
definitive form, the
standard plan of
a double storied barrack
be followed!

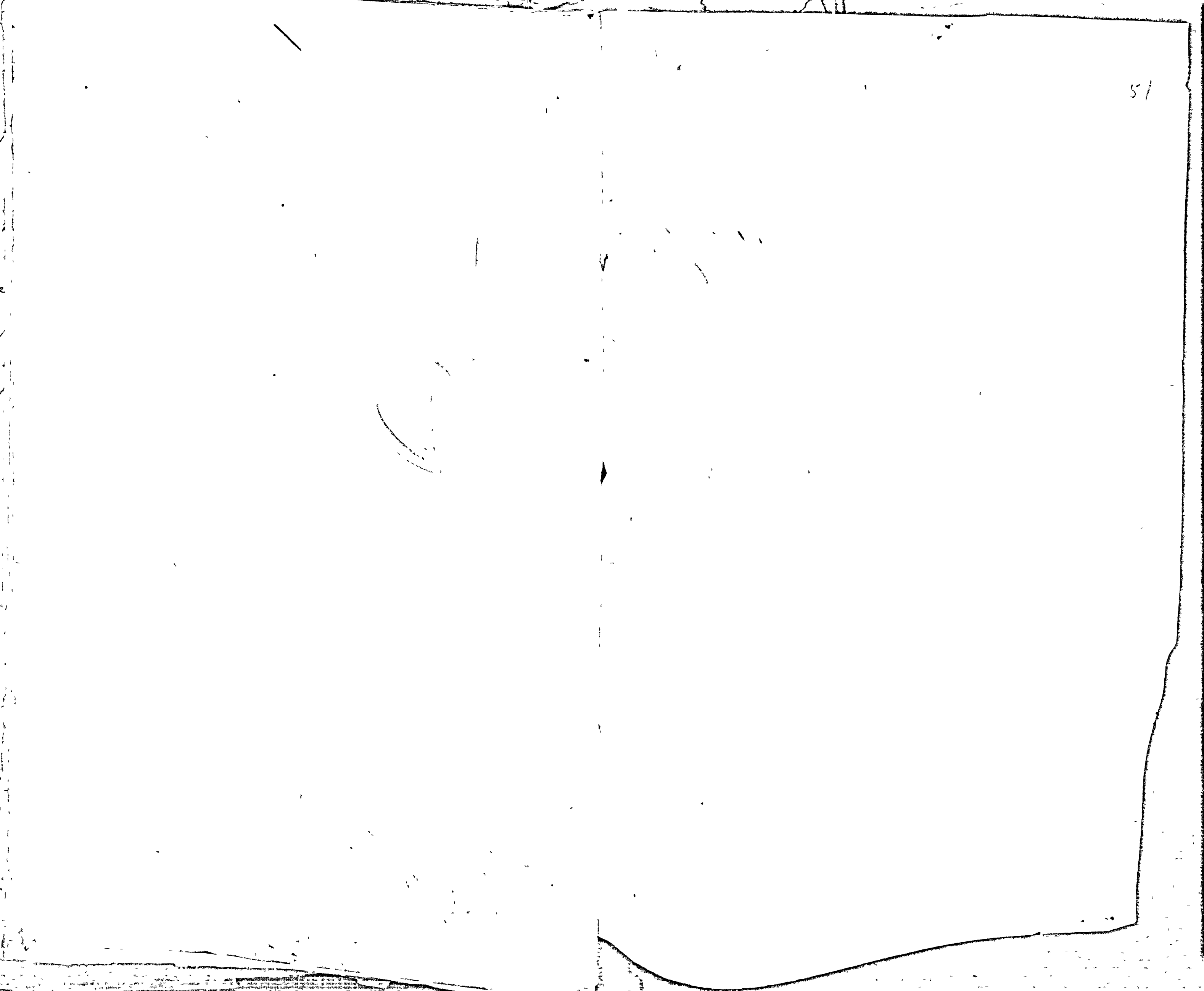
Under these circum-
stances, Mr. Harley will
be informed that the
property

property tendered by him
for sale will not be required.

The subject of para-
b of the letter recorded at
the head of these Proceedings
will be referred to the Re-
-venue Department for con-
-sideration and disposal.

W. E.

To
The Deputy Secy 4th Div
Military Dept
Revenue Dept
Mr. Harley



Cue 3935 & 4635

Govt. of 1868; Madras.

PUBLIC WORKS.

To the Superintendent Eng^r
4th Division

&c, &c, &c.

Dated

Recd

Let. 10

G. O. 8th Jan^y 1869 No. 30.

No. 96 @ 110

Marris Sanitarium at Eumoi

- giving orders on papers rela.
- to the site for, and the
- manner in which the build-
- ings required in connection
- with the Marris Sanita-
- rium at Eumoi, Quads 8th,
are to be erected.