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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Public Works DEPARTMENT

G.O. No.		Press.
B.P. No.	3906 W	Mis.

Dated 5-10-1878

197

Not to be folded or roughly handled

3900

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

5th October 1878, No. 3,900 W.

Buildings and Roads.
Military Works.

Read the following paper:—

No. 80. Proceedings of the Madras Government in the Military Department, dated 31st July 1878, No. 3,842.

From Brigadier-General H. O'CONNELL, Quartermaster-General, to Colonel J. MICHAEL, c.s.i., Secretary to Government, Military Department, dated Head-quarters, Ootacamund, 10th June 1878, No. 300.

I have the honor, by order, to forward, for the consideration and orders of Government, a plan, specification and estimate (Rupees 2,460) for a system of drainage along the back or south side of the Royal Artillery Barrack at St. Thomas' Mount.

2. The project includes the rectification of the present drainage of the old barracks, which at present runs eastward instead of in the opposite direction towards the natural slope of the land to the Adyar river. The drainage behind the new barracks is to be led in the same direction, and the whole, or such part as may be required, will be available for use in the soldiers' garden.

3. The scheme appears to His Excellency a good one, and he therefore recommends it for the sanction of Government. If funds for the whole cannot at once be furnished, it is requested that, as suggested by the local authorities, the work may be commenced from the westward and gradually completed as funds are available. The diversion of the drainage from the low ground to the south of the most westward barrack is of great importance.

4. Besides the plan, specification and estimate, the following documents are submitted:—

Letter No. 544, dated 7th May 1878, from the Medical Officer in charge of Royal Artillery.

Letter No. 1,716, dated 1st May 1878, from Superintending Engineer, Chingleput.

Memorandum, dated 16th April 1878, by Medical Officer, Royal Artillery.

Letter No. 63, dated 27th May 1878, from Officer Commanding Royal Artillery, Centre District.

Letter No. 171, dated 28th May 1878, from Medical Officer, Royal Artillery.

Letter No. —, dated — May 1878, from the Superintending Engineer, Chingleput.

Letter No. 92-G, dated 31st May 1878, from the Major-General Commanding Centre District.

From Brigadier-General H. O'CONNELL, Quartermaster-General, to Colonel J. MICHAEL, c.s.i., Secretary to Government, Military Department, dated Ootacamund, 25th July 1878, No. 629.

With reference to your memorandum No. 3,285, dated 1st instant, I have the honor, by order, to forward letter from the Superintending Engineer, Chingleput, enclosing one from the Executive Officer, Public Works Department. Both these officers consider that the proposal to make the drain behind the Royal Artillery Barracks at St. Thomas' Mount an open one, 100 yards further back, is not to be recommended.

From Colonel P. O'CONNELL, R.E., Superintending Engineer, Chingleput, to the Deputy Assistant Quartermaster-General, Centre District, dated St. Thomas' Mount, 17th July 1878, No. 2,589.

In returning the original enclosures received with your No. 2,856, dated 8th instant. I have the honor to enclose copy of a report No. 199, dated 13th instant, received from the Executive Officer on the subject, from which it will be observed that, for the reasons therein stated, the proposal to make the drain an open one, 100 yards further back, is not to be recommended. I may add that, having lately inspected the ground, I agree in opinion with the Executive Officer.

From Conductor D. FALVEY, Executive Officer, Mount Division, to the Superintending Engineer, Chingleput, dated St. Thomas' Mount, 13th July 1878, No. 199.

In compliance with your letter No. 2,511 of the 12th instant and its enclosures (herewith returned), I have the honor to inform you that I have consulted Surgeon-Major Nicholson, A.M.D., in medical charge, Royal Artillery, at this station, and both he and I are of opinion that the proposed drain along the back of the new Field Battery Barracks cannot be thrown 100 yards further back and carried as an open drain without inconvenience, and it would effect no saving, as it would be necessary to continue the drains from the barracks, cook-houses and lavatories up to it covered.

2. Moreover, the ground 100 yards south of the line originally proposed for the drain (vide plan already sent) is used as a picketing ground for horses in the wet weather, and an open drain there is undesirable.

No. 2,861.

Forwarded to the Quartermaster-General, having reference to his endorsement No. 462-4,385, dated Octacumund, 4th July 1878, herewith returned.

MADRAS,
18th July 1878.

(Signed) A. KENNEY-HERBERT, Major,
Dy. Asst. Quartermaster-General,
for Officer Commanding Centre District.

APPROVED generally, and transferred to the Public Works Department for consideration and final disposal.

(True Extract.)

(Signed) J. MICHAEL, Colonel,
Secretary to Government.

No. 81. Ombudsman, 5th October 1878, No. 3,900 W.

This plan and estimate of Rspees 2,400, for constructing a drain for sewage parallel to the old and new Royal Artillery Barracks at St. Thomas' Mount, are sanctioned, and funds are appropriated from the Military Reserve.

2. This sanction has been registered as Imperial No. 50 B of 1878-79.

(True Extract.)

(Signed) E. A. FOORD, Colonel, R.E.,
Secretary to Govt. P.W.D.

(True Copy.)

To the District Engineer, Chingleput.
" Engineer of Public Works Accounts,
" Military Department.
E. A. FOORD, R.E.,
Sp. Secy.

Major, R.E.,
Under Secy. to Govt. P.W.D.

3900
2

3966
3

GOVERNMENT OF MADRAS.

MILITARY DEPARTMENT.

31st July 1878, No. 3842.

Barracks and Buildings.

Read the following papers:—

No. 435. From Brigadier-General H. O'CONNELL, Quartermaster-General, to Colonel J. MICHAEL, C.S.I., Secretary to Government, Military Department; dated Head Quarters, Ootacamund, 10th June 1878, No. 360.

I have the honor, by order, to forward, for the consideration and orders of Government, a plan, specification and estimate (Rupees 2,460) for a system of drainage along the back or South side of the Royal Artillery Barrack at St. Thomas' Mount.

2. The project includes the rectification of the present drainage of the old barracks, which at present runs eastward instead of in the opposite direction towards the natural slope of the land to the Adyar river. The drainage behind the new barracks is to be led in the same direction, and the whole, or such part as may be required, will be available for use in the soldiers' garden.

3. The scheme appears to His Excellency a good one, and he therefore recommends it for the sanction of Government. If funds for the whole cannot at once be furnished, it is requested that, as suggested by the local authorities, the work may be commenced from the westward and gradually completed as funds are available. The diversion of the drainage from the low ground to the south of the most westward barrack is of great importance.

4. Besides the plan, specification and estimate, the following documents are submitted:—

Letter, No. 544, dated 7th May 1878, from the Medical Officer in charge of Royal Artillery.

Letter, No. 1716, dated 1st May 1878, from Superintending Engineer, Chingleput.

Memorandum, dated 16th April 1878, by Medical Officer, Royal Artillery.

Letter, No. 63, dated 27th May 1878, from Officer Commanding Royal Artillery, Centre District.

Letter, No. 171, dated 28th May 1878, from Medical Officer, Royal Artillery.

Letter, No. —, dated — May 1878, from the Superintending Engineer, Chingleput.

Letter, No. 92-G, dated 31st May 1878, from the Major-General Commanding Centre District.

No. 436. From Brigadier-General H. O'CONNELL, Quartermaster-General, to Colonel J. MICHAEL, C.S.I., Secretary to Government, Military Department; dated Ootacamund, 25th July 1878, No. 623.

With reference to your memorandum, No. 3285, dated 1st instant, I have the honor, by order, to forward letter from the Superintending Engineer, Chingleput, enclosing one from the Executive Officer, Public Works Department. Both these officers consider that the proposal to make the drain behind the Royal Artillery barracks at St. Thomas' Mount an open one, 100 yards further back, is not to be recommended.

From Colonel P. O'CONNELL, R. E., Superintending Engineer, Chingleput, to the Deputy Assistant Quartermaster-General, Centre District; dated St. Thomas' Mount, 17th July 1878, No. 2589.

In returning the original enclosures received with your No. 2836, dated 8th instant, I have the honor to enclose copy of a report, No. 199, dated 18th instant, received from the Executive Officer on the subject, from which it will be observed that, for the reasons therein stated, the proposal to make the drain an open one 100 yards further back is not to be recommended. I may add that, having lately inspected the ground, I agree in opinion with the Executive Officer.

From Conductor D. FAIVY, Executive Officer, Mount Division, to the Superintending Engineer, Chingleput; dated Mount, 13th July 1878, No. 199.

In compliance with your letter, No. 2511, of the 12th instant, and its enclosures (herewith returned), I have the honor to inform you that I have consulted Surgeon-Major Nicholson, A. M. D., in medical charge, Royal Artillery, at this station, and both he and I are of opinion that the proposed drain along the back of the new Field Battery Barracks cannot be thrown 100 yards further back and carried as an open drain without inconvenience, and it would effect no saving, as it would be necessary to continue the drains from the barracks, cook-houses and lavatories up to it, covered.

2. Moreover, the ground 100 yards south of the line originally proposed for the drain (vide plan already sent) is used as a picketing ground for horses in the wet weather, and an open drain there is undesirable.

No. 2361.

Forwarded to the Quartermaster-General, having reference to his endorsement, No. 462-4385, dated Ootacamund, 4th July 1878, herewith returned.

(Signed) A. KENNEY-HERBERT, Major,
Dy. Asst. Quartermaster-General,
for Officer Commanding Centre District.

MADRAS,
15th July 1878.

No. 437. ORDER THEREON, 31st July 1878, No. 3342.

Approved generally, and transferred to the Public Works Department for consideration and final disposal.

(True Extract.)

W. H. H. H. Colonel,
Secretary to Government.

To the Public Works Department, with ten enclosures
and copy of note by His Grace the Governor. and 10 copies.
Quartermaster-General.

P.H. 1578 Def.

Vol. 8962

Recd 12th 4

Oct 11 1878

MILITARY.

JEFF.

Nov. 403-107.

one volume
of military orders and
instructions
10/11/78

2/6 1871
Note by His Grace the Governor

It is strange that the ground referred to is used for picketing horses as it is marked as swamp over which the water of the drains now expends itself. however sufficient attention has been drawn to it. and competent authorities have expressed their opinion and are responsible if evil consequences arise - therefore no sanction - Source of funds is not stated
J.H.D. / B.H.C.
30/7/78.

-sent to the soldier's garden and

11/2/71

Royal Artillery Hospitals

St John's Mount 28 5 78

From

The medical officer in charge

Royal Artillery

2908
to

To

The officer commanding

A.C.D.

Sir

In returning the accompanying
letter from the Sup^r Engineer
I have the honor to observe that if
funds are short it is not absolutely
necessary that this work should be
all done at once. It would have
to be done from the lower end
upwards. Of the whole 2200 feet
the portion from the cistern at the
soldiers garden up to the Beacon
Cross is about 300 feet long,
a second portion up to the Cook
Room drains is about 400 feet
long so that the first section con-
-sists to the soldiers garden and

To 209 27 8 78
Per 18.9.78 R. L. 3. 3. 8
R. L. 3. 3. 8

of great importance in cutting
off the drainage to the Dump
should cost about Rs 400 and
the drain could be extended up
to the Co. B. Room for Rs 400 more.

The first section is most impor-
tant and I would urge that it
be completed by the 1st October

Yours
faithfully

24/5/78
J. E. Nicholson
S. M. S. and
S. J. S. Ch. R. C.

Yours
S. J. S.

Yours
S. J. S.

Received
24/5/78

No. —

CHINGLEPUT SUPERINTENDING ENGINEER'S OFFICE,
SAINT THOMAS' MOUNT, May 1878

From

THE SUPERINTENDING ENGINEER,

CHINGLEPUT.

To

The Officer Commanding
Saint Thomas' Mount.

Sir,

In returning the enclosure re-
-ceived with your No 115 dated 28th
instant, I have the honor to inform
you, that suggestion 1st in Dr.
Nicholson's Memorandum dated
16th ultimo may be carried out without
any extra cost when the drain
is being constructed by leaving
a vent on its lower side about 1 foot
above the floor. Suggestion 2nd
can be carried out at a cost of
Rs 60 for which provision has
now been made in the estimate.
Suggestion 3rd regarding the pre-
-paration of concrete will be
-come consideration.

2. I would observe that it is
doubtful if funds can be pro-
-vided for this work in the
current year in which the Budget

Enc 1

grant for Minor New Works for
this District is only Rs 1000.

I have the honor to be
Sir

Your most obedient servant

Yours faithfully
Colonel R.E.

Supp Engineer, Chief Dept.

Enc.

Rs 8967/7/4

Recd office
Dated 27.5.78

Forwarded to medical
officer R.E. for perusal &

By order
Capt
Staff officer R.E.

Received

THE

From
THE SECRETARY GENERAL
CHIEF DEPT.

Memorandum on the plan and specification
of a drain for the Old and New Field Buttery Barracks.
St. Thomas Mt. - dated 18th April 1878

3900/8

This plan if carried out will effect several useful purposes:-

- 1st It will divert the plunge-bath, wash house and cook room drainage of the East end of the Old barracks, away from a private compound into which it now soaks to the annoyance of the occupants.
- 2nd It will divert the similar drainage of the West end of the Old Barracks, from the drain under the road (at E.F. in the plan) and round the Family Quarters. This drain gives great trouble.
- 3rd It will divert the wash house and cook room drainage of the New Barracks away from the present objectionable termination in an open ditch and a swamp close to barracks.
- 4th It will afford at all seasons a plentiful supply of water to the soldiers garden at the end of the New Barracks.

I think these advantages will be cheaply purchased at the estimated outlay. I would make the following suggestions:-

- 1st Some provisions might be made to stop silt from the parade ground drain at E.F.
- 2nd A slight concrete surface channel might be carried from the cistern at right angles along the top of the soldiers garden.
- 3rd The specification for the hydraulic mortar and concrete might with advantage

No 584
 Forwarded to the Officer Commanding
 Royal Artillery for the special meeting
 reference to Dr. W. R. General No 8600
 26 December 1877
 The order
 24/12/78

advantage and economy ⁴slightly modified
as follows:—

Proportions for concrete

1 1/2 of freshly burnt and slaked lime, by
measure.

1 1/2 of surkhi (passed through a sieve of
at least 8 meshes to the inch.)

2 of clean sand.

4 of broken brick of the size of 3/4 inch
cubes, recently saturated with water.

The lime and surkhi to be mixed
in bulk; three measures of the dry
mixture with two of sand to be made
into mortar. To this hydraulic mortar
four measures of the wet broken brick
will be added, and the whole mixed
on a floor. Six measures of brick might be used in foundation.

The above proportions without the
brick will do well for hydraulic
mortar and for the first coat of
plaster; the second coat may contain
half the proportion of sand.

In the brick work in hydraulic mortar,
the bricks should be recently saturated
with water and laid wet.

S Thomas Brown

6th May 1878.

Nicholson

Jurgen Meijer

3908
9

No. 1716

CHINGLEPUT SUPERINTENDING ENGINEER'S OFFICE,
SANT THOMAS' MOUNT, 1st May 1878

From

THE SUPERINTENDING ENGINEER,
CHINGLEPUT.

To

The Officer Commanding
Mount.

Sir,

In reference to your L^{ts} No. 544 dated
8th January 1878, to the address of
the Executive Officer Mount Range
(and its enclosures herewith returned)
I have the honor to forward the
enclosed Plan and Revised Estimate
amounting to Rs. 2400 for constructing
a Drain to the R.A. Barracks
at the Mount prepared in re-
ference to the views of the officer
in Medical charge of the R.A.
as stated in his letter No. 544 of
7th January 1878 to your address.
The present Design is a better
but a more costly one than that
originally submitted, owing to the
greater position of the drain having

Memorandum on plan

of a Drain, R.A. Barracks,

E. Nicholas
Supt. Major M.D.

P. 7 89 60/77

Enclosures - 2

1. Plan

1. Estimate

2. Original L^{ts}

By No. 2275 -
3/10/89 1878

to be covered, as it has been discovered
on examining the matter more care-
-fully that any cheaper plan would
have been ineffectual in a sanitary
point of view.

I have the honor to be
Sir

Your most obedient servant

R. H. Parnell Colonel R.E.

Superintendent Engineer, Chief Dept.

By No. 503
Continued Order
dated 3rd May 1878

Forwarded to the Officer Commanding

Royal Artillery for information
and return for transmission.

V. M. Allen Captain
of the 1st Battalion of the 1st Division

THE OFFICER COMMANDING
The 1st Division
Chingapat

Received 1st May 1878

Enclosure 1st

for Contd. meeting & draw

to the Royal Artillery

at the 1st Division

at the 1st Division

at the 1st Division

at the 1st Division

No. 5414 R. A. Hospital, S. Thomas
7th Jan 1878
From The Medical Officer in charge R. A.
To The Officer Commanding R. A.
Central District.

Sir,
I have the honor to state that as regards
the Soldier's gardens only, a sufficient drain
and cistern could be made from the nearest
bathhouse at a cost not exceeding Rs 150
but the present plan proposes not only
to supply the soldier's gardens but to remove
the defects in the present system of barrack
drainage.

At present there are two deep covered
drains from the new barracks. One passes
by the East Washhouse and the cool house
and opens at once into a ditch, which is
both offensive and dangerous. The other
passes by the West Washhouse and opens into
a large excavation left in the plain.

to
o converting it into an objectionable
- swamp.

1 The drain now proposed will divert the 3
drains parallel to the barracks leading these
drainage^{by} the soldier's gardens toward the
Atyer River. It must be deep like the
other drains, consequently covered to avoid
danger, and necessarily much more
expensive than an open surface drain.

It is to be regretted that the arrangement^{for}
for carrying off the bathhouse water
by elaborate subsoil drains ending
in an objectional manner should
entail the continuance of the same
expensive kind of drains to remove their
defects, but I see no effectual alternative.

If the drainage is to be remedied S.
by this drain parallel to the barracks,
I would suggest that it be continued
further up in order to receive the

drainage of the old (West) Field battery
barracks the disposal of which is at
present very objectionable. I am
aware that the latter slopes ^{slightly} in the opposite
direction but the level might be rectified
and it would be most advantageous to
have the whole Field Barrack drainage
diverted toward the Atyer River.

I have the honor to be
Sir,

Yours most obedient servant

E. Nicholas
Sergeant Major
Field.

Recd at office
7-11/8

21/11/8

5966
16

Royal Artillery Centre District
St John's Mount 27 Decr 1878

To Dep^y and I. M. General
Fort St George

CD
83

With reference to Ltr 2^d 8612/5 dated
27 December 1877 on I. M. General's letter
8610 dated 26 December 1877

Has the honor to forward for the
8617/15 from Sup^y Eng^r "Section of the Com"
To off^r Com^d District
Engine^r General's office in chief a revised
dated 6th Aug 1878. Estimates and plan
Letter from Sup^y Eng^r
To off^r Com^d District of the drain proposed
between the two stations
To be constructed in
the Field Battery Lane at this
Station with correspondence relations
therein as per margin

By No 601
29.5.78

J. E. Hope Lieut Colonel
8th Bt Colonel

Commanding R. A. C. D. Mount

5/11/78 - Report
of J. E. Lang
from off^r Post Office
to change the
to off^r St. Peter's
Mount
No. 5744
24.8.78
Subject 31.10.78
Reference 7.2.18
regarding drainage of the

P. 8612/5

MADRAS, 31st May 1878.No. *G. 92.*

FROM

Major
GENERAL T RAIKES, C. B.

COMMANDING CENTRE DISTRICT.

TO

THE QUARTER MASTER GENERAL,

FORT SAINT GEORGE.

SIR,

In forwarding for the approval, and sanction of His Excellency The Commander in Chief the accompanying revised plans and estimate (with enclosures as per margin) of the drain proposed to be laid down from the out Offices of the Field Battery Barracks, Saint Thomas Mount, towards the valley of the Adyar, I have the honor to invite your attention to letter No. 171, of the 28th May 1878, from the Medical Officer in charge of the Royal Artillery, St. Thomas Mount, to the Officer Commanding Royal Artillery Centre District.

2. The idea submitted by Dr. Nicholson that, in the event of the whole project being considered too expensive for execution this year a portion thereof might be undertaken, appears to me to be highly commendable.

3. The drainage of the low ground into which No. 2 drain empties itself, in close proximity to the Sergeant's Cook room, is in my opinion one of the main features of the scheme, for which funds

Letter No. 63 of
27th May 1878 from
Officer Commanding
Royal Artillery
St. Thomas Mount
to the Officer Commanding
Royal Artillery Centre District
with its enclosures.

From

The Officer Commanding

Royal Artillery

Centre District

To

The Q. M. General

Fort Saint George

No. 63

Mount, 30th May 1878

Subject

Proposed a drain

from the out Offices

No. 171/78

101 87 62/78

Public Works Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 5-2-78. 6900
Read the following:—

Pro: in the Military Dept. (H.C. 1st 3842 of 31st July 1878)

The plan and estimate of Rupees 2,460 for constructing a drain for sewage parallel to the old and new Royal Military Barracks at Saint Thomas Mount, are sanctioned and funds are appropriated from the Military Reserve.

907

This sanction has
been registered as Imperial.

Ms. 90 B of 1878/79.

J. E. Chinglaput
Capt. R. W. Hector, Jr. & Co. & Co. & Co.
Military Dept.
Dec 11-10-48

11-10-78

100

The Officer Commanding

Culture District

The 1911 Census

Fort Smith Courthouse

11/2

Died :
 Revived :

demands for
apportioned plant
for constructing a
dormitory for the
purpose of which the
Board of Trustees
demands the taking of the
Register.

7-4430

(calculated by Dr. Richardson of \$14.00) should
 if possible be added.

I have the honor to be,
 Sir,
 Dear Colonel Stewart,
 Yours very truly,
 J. M. McKim

Accompanying the enclosed
 is a bill for the same.

3900
16

Recd 1.12.78
Cir 18.9.78 Rd 2.10.78
2.9.8.78

69 1/2

Govt. of (1878) Madras.
PUBLIC WORKS.

To.

By.

For.

Recd.

Encl.

G. O. 5th Oct: 1878, No. 8900.

Mem. No. 107

Drain for sewage parallel to
the old and new Royal Artillery
Barracks St Thomas Mt.

The Plan and Estimate
of the works for constructing a
— Sanitary —

Wm. R. P.

10/10

4.0.1