1. Number of pages 26
2. Date of issue
3. Initials of Reference

M.R.O. 1—52,400—7-11-30. 9

MADRAS RECORD OFFICE.

Government of Madras.

DEPARTMENT.

G.O. No.	Press Mis.
Dated 18	

Not to be folded or roughly handled

No. 10. Read the following letter from Lieutenant-Colonel E. LAWFORD, Officiating Chief Engineer; to W. H. BAYLEY, Esq., Acting Secretary to Government, dated 24th November 1858, No. 5748.

SIR,

From District Engineer. Chingleput, dated 27th March 1858. No. 2006.
To do. 30th March 1858, No. 8585.
From do. 9th April 1858, No. 2083.
From do. 23rd July 1858, No. 318.
To do. 16th Augt. 1858, No. 2861.
From do. 30th Octr. 1858, No. 817.
1 Plan.
1 Abstract Estimate.

I have the honor to forward for submission to Government, with reference to Extract Minutes of Consultation, under date the 25th July 1857, No. 1435, the accompanying correspondence with a plan and estimate for additions and alterations to the Horse Artillery Barracks at Saint Thomas' Mount. The estimate comprises the following works, viz.

	Rs.
For constructing a new Wash-house to the Horse Artillery Bomb-proof Barrack at the Mount	696
For constructing Tubs for the drainage of the Privies to do	62
For constructing a covered Walk in front of the Gram Boiling Shed, for the Sentry	292
For constructing a new Cook-room for the Horse Artillery Tiled Barracks	601
For do. a new Privy to do.	219
Total Rs.	1,870

2. The first three works were estimated for, in reference to the Extract Minutes of Consultation, above referred to, and the last two at the request of the Brigadier Commanding the Mount.

3. It was proposed in the order of Government, that the present Harness room should be converted into a Wash-house, but the Officer Commanding the Royal Horse Artillery having preferred the construction of a new Wash-house in the open space, between the Plunge Bath and Cook-room it has been estimated for, and the construction of a new Harness room is thereby rendered unnecessary.

4. The Privy accommodation being deemed sufficient, by the Officer Commanding the Royal Horse Artillery, its drainage alone has been estimated for.

5. The third work is for a covered walk for the Sentry at the Horse Gram Boiling Shed as called for by Government, and is considered to be very necessary.

6. There being no Wash-house to the Tiled Barracks at the south end of the Horse Artillery Barrack Square, formerly occupied by the European Infantry Depot, and now made over to the Royal Horse Artillery, it is intended to convert the present Cook-room, as the most convenient site, into a Wash-house, and this necessitates the erection of a new Cook-room at the site of the present Privy, and of a new Privy at another. These works were estimated for, by the District Engineer in communication, and with the approval of the Brigadier, and the Officer Commanding the Royal Horse Artillery.

7. A new Wash-house for the families near their Quarters, called for in Extract Minutes of Consultation, dated 25th July 1857, has not been estimated for, as the Brigadier considers, that the work may be deferred, and that there is no immediate necessity for the same.

8. The Prison accommodation being deemed by the Officer Commanding Royal Horse Artillery sufficient, the estimate called for, for the conversion of two small arched rooms at the Gun shed into one, and for a Privy to be attached to it, has not been prepared.

9. The alterations and additions proposed, as shewn in the accompanying Block plan, appearing to be well designed and the estimate a fair one, I have the honor to recommend the amount viz. Rupees (1,870) one thousand, eight hundred and seventy, for the sanction of Government.

Letter from Lieutenant A. S. MOBERLY, District Engineer of Chingleput; to Colonel C. E. FABER, Chief Engineer, dated Camp Guindy, 27th March 1858, No. 2006.

SIR,

With reference to Extract from the Minutes of Consultation, No. 1435 of the 25th July 1857, communicated with your Proceedings, No. 2522 of the 30th of the same month, I have the honor to forward 3 Plans and an Estimate amounting to Rupees 1,000 for the improvements suggested to the Horse Artillery Barracks at Saint Thomas' Mount.

Letter from Major E. LAWFORD, Superintending Engineer, in charge of Central Circle; to Lieutenant A. S. MOBERLY, District Engineer, Chingleput, dated 30th March 1858, No. 8585.

SIR,

3 Plans.
1 Abstract Estimate.
1 Detail Estimate.

I am directed to return the Plans and Estimates received with your letter, No. 2006, dated 27th Instant, and request you will explain the reason of their submission, eight months after the date of their being ordered. You will now be good enough to revise your Plans in communication with the Officer Commanding the Royal Artillery and especially you will improve the proposed Prison rooms which appear very unsuitable to their purpose from want of height.

Your reply is expected in ten days from this time.

Extract from the Proceedings of the Superintending Engineer in charge of Central Circle, dated 12th April 1858, No. 8909.

Letter from Lieutenant A. S. MOBERLY, District Engineer of Chingleput; to Colonel C. E. FABER, Chief Engineer, dated Camp Guindy, 9th April 1858, No. 2083.

SIR,

In reply to your letter No. 8585 of the 30th Ultimo, I have the honor to inform you that, I communicated with the Officer Commanding the Royal Artillery who instructed the Officer Commanding Royal Horse Artillery to meet me on the subject of the alterations proposed, and Estimates for which were called for by Government in Extract Minutes of Consultation No. 1435 of the 25th July last, this Officer states that the only addition he requires to the present buildings is a covered walk for the sentry near the Gram Shed and a Stone Urinary with a cistern outside: under these circumstances I request your instructions as to preparing the rest of the Plans and Estimates called for by Government.

2. As regards the delay in preparing them I beg to inform you that I repeatedly asked Major Mein, Commanding the Troop of Horse Artillery to point out every thing he wanted as well as the sites on which he wished the Harness Room and Wash House to be built, but as that Officer had gone to Madras, and was there until the departure of the Troop in November last, I could not obtain the information required and so in the commencement of this year I prepared the Plan and Estimates I submitted to you, but which through an oversight were not sent out of my Office till 27th March last.

Resolved with reference to the foregoing letter No. 2083, dated 9th Instant, to request the District Engineer of Chingleput, to estimate in communication with the Brigadier Commanding St. Thomas' Mount, for any improvements required to the building now occupied by the Royal Horse Artillery.

(Signed) E. LAWFORD, Major,
Officiating Chief Engineer.

Fort Saint George, Public Works Consultation of 14*th December* 1858.

Extract from the Proceedings of the Acting Superintending Engineer, Central Circle, dated 16th August 1858, No. 2861.

Letter from Lieutenant A. S. MOBERLY, District Engineer of Chingleput; to Major E. LAWFORD, Officiating Chief Engineer, dated Camp Guindy, 23rd July 1858, No. 318.

SIR,

With reference to Extract from your Proceedings No. 8909 of the 12th April last, I have the honor to forward the accompanying Plans and Estimate for works in the Horse Artillery Lines, these have been prepared in communication with the Brigadier Commanding Saint Thomas' Mount and the Officer Commanding theHorse Artillery, as regards a Women's Wash-house the Brigadier considers it would be better to let the matter lie over for the present as there are no women with the Troop of Royal Horse Artillery.

Resolved to return the Plans and Estimates received with the foregoing letter in order that they may be clearly shown to correspond first of all with the accommodation especially named in Extract Minutes Consultation, No. 1435, dated 25th July 1857, which should be numbered for the convenience of reference and secondly with any further improvements projected by the Brigadier the necessity for which should also be fully explained for the information of Government.

2. On the general plan the buildings might be more conveniently shown in blocks without details and only those colored yellow or expressive of new work or alterations or repairs need be shown on a larger scale in detail which may be done on a separate sheet, by this means the size of the plans will be made much more convenient.

(Signed) P. M. FRANCIS, Captain,
Acting Superintending Engineer Central Circle.

Letter from Captain A. S. MOBERLY, District Engineer; to Lieutenant-Colonel E. LAWFORD, Officiating Chief Engineer, dated Guindy, 30th October 1858, No. 817.

SIR,

In reply to Extract from your Proceedings, No. 2861 of the 16th August last, I have the honor to inform you that the Officer Commanding the Royal Horse Artillery does not wish the Harness room to be converted into a Wash-house as proposed in Extract Minutes of Consultation, No. 1435 of 25th July 1857. He prefers a new Wash-house to be placed in the open space between the Cook-room and Plunge Bath in rear of the Bomb-proof Barrack. As regards the Wash-house for the families in my letter, No. 318 of the 23rd July 1858, I stated that it was the wish of the Brigadier to let the matter lie over for the present.

2. The Officer Commanding Royal Horse Artillery states that the Privy accommodation is sufficient. He would however like a covered Cistern outside the wall to receive the urine which might be removed every morning, a hole in the wall and a granite slab in the inside would complete the Urinary.

3. The Officer Commanding R. H. Artillery does not require any Extra Prison accommodation, there being a large Dry-room attached to the Guard-room and a large Prison room in the Barrack Square.

4. The shed for the Sentry at the Horse Gram Boiling shed is very necessary.

5. The Drainage of the Privies will be remedied by having covered Cisterns for the reception of the Urine.

6. As regards the extra works now proposed, I have the honor to inform you that the Tiled Barrack at the south end of the H. A. Barrack Square was formerly occupied by the European Infantry Depôt and no mention had therefore been made regarding it by Major Mein it has now however been handed over to the Royal Horse Artillery and as there is the same complaint that there is no Wash-house but that the men are obliged to wash in the open air at Tubs, the Bri-

gadier wished a new Wash-house, and as from the proximity of the well the present Cook-room would be the most convenient site, I suggested it should be altered into a Wash-house and a new Cook-room built further south and directly in rear of the men's Messing Room. To this proposition both the Brigadier and Officer Commanding Royal Horse Artillery gave their approval. There is an old privy which would interfere with the Cook-room which I propose putting down and building one near the Plunge Bath.

7. The delay in furnishing this information has arisen from my Draughtsman having a good deal of work in his hands and not having been able earlier to prepare the separate plans you called for.

No. 11. ORDER THEREON, No. 2658; dated 8th December 1858.

Referred to the Military Department for consideration, with reference to Extract Minutes of Consultation in that Department, dated 17th July 1857, No. 2361.

(Signed) W. H. BAYLEY,
Acting Secretary to Government.

Read the following letter from the Dr Engr Chief
N. E. No 318 d/ 23 July/58
5
74125
No 2861

Resolved. Station the plans & Estimate

Enclosures
3 Plans &/
2 Estimates

rec'd with Mr Forbes's letter in
~~Public Works~~
order that they may be closely
shown to correspond first of all
with the accomodation especially
named in E M C No 1435 dated
25 July 1857 and thereafter
numbered for the convenience of
reference and secondly with any
further improvements proposed by
the Brigadier the necessity for
which should also be fully explained
for the information of Govt

2 On the general plan the buildings
might be more conveniently shown
in ~~new~~ blocks without details &
only their colored yellow, opposite
of new work or alterations or repairs

2 — The Officer Commanding Royal
Horse

need be shown on a larger scale
in detail which may be done on a separate
sheet - by this means the size of the
plans will be made much more
convenient.

Signed/ P. M. Francis Capt
Ag Insp'd Engr C.L.

16 Aug/58.

Ordnance Buildings Chatham
20th Aug/58 - No 2064.
Inspd/ Fortifications
Engineer's Office

Rec'd 24th Aug 58

Plans and Estimate
for alteration of No
N. A. Barracks at
the Brook.

Rec'd 25th Aug/58

Referred to Capt Francis
Ag Insp'd Engr C.L.

Dated 26th Aug/58

Rec'd 28th/58

Returned for further
alteration & reduction
of Estimate

Rec'd 2nd Sept/58.

No 817.

1
1

From -
Captain A. S. Moberly.
District Engineer,

To,
Lieut Colonel C. Crawford,
Officiating Chief Engineer Div
Fort St George

In reply to Extract from your
Proceedings No 2861 of the 16th August last,
I have the honor to inform you that the Officer
Commanding the Royal Horse Artillery
does not wish the Harness Room to be
Converted into a Wash House as proposed
in Extract Mins of Consn No 1435 of 25th July
1857. He prefers a new wash House to be
placed in the open Space between the Cook-
Room and Plunge Bath in rear of the
Bombproof Barrack - As regards the Wash-
House for the families in my letter No 310
of the 23d July/58 I stated that it was
the wish of the Brigadier to let the matter
lie over for the present.

2 - The Officer Commanding Royal
Horse

Horse Artillery States that the Prisoners accommodation is sufficient. He would however like a Covered Cistern outside the Wall to receive the Urine which might be removed every Morning. A hole in the wall and a granite Slab on the inside would complete the Urinary.

3. The Officer Commanding R.H. Art does not require any Extra Prison accommodation, there being a large Dry Room attached to the Guard Room and a large Prison Room in the Barrack Square.

4 The Shed for the Sentry at the Horse Tram Boiling Shed is very necessary.

5 The Drainage of the Privies will be remedied by having covered Cisterns for the reception of the Urine.

6 As regards the Extra works now proposed, I have the honor to inform you that the Tiled Barrack at the South End of the H. A. Barrack Square was formerly occupied by the European Infantry Depot and no mention had therefore been made regarding it by Major Stevenson

it has now however been handed over to the R. H. Artillery and as there is the same Complaint that there is no Wash House but that the Men are obliged to wash in the open air at Times the Brigadier wished a New Wash House, and as from the proximity of the Well the present Cook Room would be the most convenient Site, I suggested it should be altered into a Wash House and a New Cookroom built further South and directly in rear of the Men's Messing Room. To this proposition both the Brigadier & Officer Commanding R.H.A. gave their Approval, there is no Privy which would interfere with the Cook Room which I proposed pulling down & building one near the Plunge Baths.

7. The delay in furnishing this information has arisen from my Draughtsman having a good deal of Work in his hands & not having been able earlier to prepare the Separate Plans you called for.

I have the honor to be Sir, Your Most obedient Servant

Chelsea District Engrs Office
Guild 30th October 1858

Thos. Wilby Captain
District Engineer of Chelsea

No. 2083-

From

Lieutenant E. A. Woodberley

District Engineer & Chief Asst.

To

Colonel C. S. Taber

Chief Engineer Department of Public Works

Sir,

In reply to your letter No. 8585 of the 30th ultimo, I have the honor to inform you that, I communicated with the Officer Commanding the Royal Artillery, who instructed the Officer Commanding Royal Horse Artillery to meet me on the subject of the alterations proposed, and Estimates for which were called for by Government in Extract Minutes of Consultation No. 1435 of the 25th July last, this Officer states that the only addition he requires to the present buildings is a Covered Walk for the Sentry near the Grain Sheds and a Stone Urinary with a Cistern outside: under these Circumstances I request your instructions as to preparing the neat Plans and Estimates called for by Government.

2. As regards the delay in preparing them I beg to inform you that I repeatedly asked Major Brain, Commanding the Troop of Horse Artillery to point out every thing he wanted as well as the Sites on which he wished the Barrack Room and wash House

to

Chief Engineer's Office
Fort St. Frances

From
The Assistant Engineer
Kilmuskut
To
The Office of Chief Engineer & P.W.

Dated 30th Dec. 58
Rec'd 5th Jan.

Forwarded a Plan as
Returned for certain additions
& alterations in the Horse
Artillery Barracks &c.
Crowds Pronts.

Lieut

to the limits laid as shown & figured hereon and were there until the departure of the Troops in November last

I could not obtain the information required and to the

commencement of the said Year I have figured the Plan and estimated

the quantities of Land which through an oversight were not

laid out at the time of my Report dated 27th March last

I have the honor to be

Sirs

Your most Obedient Servant

Lieut. Engrs Depot

Camp Shumla

1st April 1858

W. Williams

Dist. Engineer & Superintt

To Colonel C. E. Fales

Chief Engineer Department

Turkey

No 8585

Sir Thos Shrapnel

Sir Have directed Colonel Jackson the

Engineer at Gibraltar to cause estimates to be made for the following Works

1 Place of Arms in front of the Line Wall

1 Advanced Battery at Rosia Bay

1 Bomb proof Barrack for 100 Men

Hospital

Quarters for Officers

Casemates for Artillery

Shot Furnaces

Traverses

Platforms

Magazines

Expense Magazine

Shell Rooms

Furnaces for heating Shot

Store Rooms

Wells

Cisterns

Platforms

Embrasures

Parapets

Glacis

Ditch

Counterscarp

Covered Way

Sally Ports

Gateways

Bridges

Drawbridges

Palisades

Scarp

Revetments

Ramps

Steps

Roads

Sewers

Drains

Fences

Gates

Wharf

Landing Places

Boat Slips

Boat Houses

Capstans

Mooring Posts

Mooring Chains

Buoys

Anchors

Sheds

Offices

Quarters for Artificers

Workshops

Stores

Yards

Gardens

Pumps

Troughs

Conduits

Aqueducts

Reservoirs

Sluices

Dams

Piers

Jetties

Breakwaters

Lighthouses

Beacons

Signal Posts

Flagstaffs

Telegraphs

Furnaces for Signal Fires

Furnaces for Lime

Kilns

Quarries

Sand Pits

Clay Pits

Brick Fields

Timber Yards

Saw Pits

Saw Mills

Steam Engines

Machinery

Cranes

Tramroads

Railways

Inclined Planes

Tunnels

Bridges

Aqueducts

Viaducts

Arches

Culverts

Pipes

Cisterns

No. 2006.

From

Lieutenant R. S. Brearley

District Engineers of Chinglepet.

To Colonel C. E. Faber

Chief Engineer Department of Works

Sir,

With reference to Extracts from the Minutes of Consultation No. 1435 of the 25th July 1857 communicated with your Proceedings No. 2522 of the 30th of the same month, I have the honor to forward 3 Plans and an Estimate Amounting to Rupees 1000 for the improvements suggested to the Horse Artillery Barracks at and near Thomas Mount.

I have the honor to be

Sir

Your most Obedient Servant

Dist. Engineers Office
Camp Guindy
27th March 1858

Lieut. R. S. Brearley
District Engineer of Chinglepet

To Colonel C. E. Faber

Chief Engineer Department of Works

19

X

No 318

From

Lieutenant Colonel Pilkington

Royal Engineers Office

Dublin

To Major G. Sandilands

Officiating Field Engineer Southern District

Cork

Sir

With reference to extract from your Memorandum dated the 12th April last, I have the honour to forward the accompanying Plans and Estimate for completing the Horse Artillery Barrack at Fermoy, as communicated with the Brigadier Commanding Limerick Thomas Command and the Officer Commanding the Horse Artillery - and regarding Major Hall's wish to build a Riding House to assemble his men for the purpose of teaching the Recruits the Sword Exercise, I beg to state that no money will be required for Royal Horse Artillery Barracks

I am Sir

Your obedient Servant

Lieut. Colonel Commanding Royal Engineers

Dublin

Engr. Branch

23rd July 1857

Major G. Sandilands

Officiating Field Engineer

Cork

Officiating Chief Engineer's Office Dublin

Southern Cork Report 30.2

March 58th 8585

Telegot 24th Nov 58 No 3/4

Barrack Cork

Captain Godwin

From

The District Engineer

Cork

Dated 30th March 58

The Chief Engineer

Department of Public Works

Dated 27th

Received 29th March 1858

No 2857/68 65

Forwards 3 Plans and an Estimate

Amounting to Pounds 1000 for the

improvements suggested to Stone

Horse Artillery Barracks at

Saint Thomas Cranach

No 1547

N.B. 2.

Sent

by hand to the Officer Comg Royal Arty

Central Office of Public Works
Fort Saint George 24th November 1858.

No. 5748

From,
The Officiating Chief Engineer.

To,
The Secretary to Government
Public Works Department.

"Military"

Sir,

I have the honor to forward for submission to Government, with reference to Extract Minutes of Consultation, under date the 25th July 1857 No. 1435, the accompanying correspondence with a Plan and Estimate for additions and alterations to the Horse Artillery Barracks at Saint Thomas's Mount. The Estimate comprises the following works viz.

For constructing a New Wash House to the Horse Artillery Bomb proof Barracks at the Mount	696 — —
For constructing Subs for the drainage of the Privies to Do	62 — —
For constructing a covered Walk in front of the Gram Boiling Shed, for the Sentry	292 — —

For

Enclosures 8

For constructing a new Cookroom for
the Horse Artillery tiled
Barracks _____ 601—.—.
For Do a new Privy to Do 219—.—.
Total Rupees 1870—.—.

2. The first three works were estimated for, in reference to the Extract Minutes of Consultation, above referred to, and the last two at the request of the Brigadier Commanding the Mount.

3. It was proposed in the order of Government, that the present Harness room should be converted into a Wash House, but the Officer Commanding the Royal Horse Artillery having preferred the construction of a New Wash House in the open space, between the Plunge Bath and Cookroom it has been estimated for, & the construction of a New Harness room is thereby rendered unnecessary.

4. The Privy accommodation being deemed sufficient, by the Officer Commanding the Royal Horse Artillery, its drainage alone has been estimated for.

5. The third work is for a covered Walk for the Sentry at the Horse Gram boiling Shed, as called for by Government, and is considered

considered to be very necessary.

6. There being no Wash House to the tiled Barracks at the South end of the Horse Artillery Barrack Square, formerly occupied by the European Infantry Depot, and now made over to the Royal Horse Artillery, it is intended to convert the present Cookroom, as the most convenient site, into a Wash House, and this necessitates the erection of a new Cookroom at the site of the present Privy, and of a new Privy at another. These works were estimated for, by the District Engineer in communication, and with the approval of the Brigadier, and the Officer Commanding the Royal Horse Artillery.

7. A new Wash House for the families near their quarters, called for in Extract Minutes of Consultation dated 25th July 1857, has not been estimated for, as the Brigadier considers, that the work may be deferred, and that there is no immediate necessity for the same.

8. The Prison accommodation being deemed by the Officer Commanding Royal Horse Artillery sufficient, the Estimate called for, for the conversion of two small Arched Rooms, at the Gun Shed into one, and for a Privy to be attached to it, has not been

prepared

prepared.

9. The alterations and additions proposed, as shown in the accompanying Block Plan, appearing to be well designed and the Estimate a fair one, I have the honor to recommend the amount viz Rupees (1,8,7,0) One thousand eight hundred and seventy, for the sanction of Government.

I have the honor to be
Sir,
Your Most Obedient Servant

A Lawford Lt. Col. R.E.
Officiating Chief Engineer

Central Office of F.W.
Fort Saint George
24th November 1858.

X 1805

Ft to Govt 28th July/57 N 62483

P. Works 1858 Dept
Dy. to Govt 14th Decr
No 2857

From
The Offg Chief Engineer
To
The Secretary to Government
Public Works Deptt

Dated 24th November 1858.
Recd 26th
No 5748

Enclosures 8.

Forwards correspondence with Plan and Estimate for additions and alterations to the Horse Artillery Barracks at Saint Thomas's Mount, amounting to Rupees 18,20, and recommends the same for sanction -

No 10411

Written order L
No 2658 8th Decr 1858.

Cl 6th Decr

No 2658
2658

Referred to the Military Department for consideration, with reference to Extract Minutes of Consultation in that Department dated 17th July 1857 No 2361.

WNB

Front St. George
8th Decr 168

7th Copies to Sir Duty Dept Dirte 9th with Plan & Letter