

MADRAS RECORD OFFICE.

BLOCK 1.

RACK No. 20. R.

NUMBER 2037.

Military Department

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Diary

11367

Fort St. George — September 1813

Diary

Received the following Letters.—

To His Excellency Lieutenant General
The Honorable John Abercromby.

Governor in Council

&c. &c. &c.

Honorable Sir,

No. 1.
From the Military auditor General — Reports on an additional Estimate of Cash by the Paymaster at the Presidency —

1 Having examined an additional Estimate for Cash of the Paymaster at the Presidency, I have the honor to report that the Sum of Pagodas Five Thousand / P. 5,000 / is admissible and issuable from the General Treasury — this Sum is required on Account of an Advance to the Agent for Army Cloathing agreeably to the receipt of that Officer Countersigned by the Adjutant General of the Army and proposed to the Department under authority of the minutes of Council dated

11368 Fort St. George — September 1813

dated 21st September 1812.—

Military Auditor Generals Office, Fort St. George — 10th September 1813 —

I have the honor to be,

Yr, Yr,

(Signed) I. Prindergast

Mily Auditor General

To His Excellency Lieutenant General

The Honorable John Abercromby

Governor in Council

Yr, Yr, Yr,

Honorable Sir,

No. 2
From the Mily auditor General. Reports on an additional Estimate of Cash required by the Paymaster at Trichinopoly.

1 Estimate of Cash of the Paymaster at Trichinopoly

Having examined an additional

I have the honor to report that the Sum

of Pagodas Three Thousand five hundred / P. /

3,500 / is admissible and issuable by Bills —

for the Presidency — of this Sum of Pagodas

One Thousand / P. 2,000 / is required by the

Paymaster of His Majesty's 84th Regiment

to enable him the Payment of that Corps for

the

11369

Fort St. George — September 1813

the preceding Month, the Cause of the defi-
=ciency having been satisfactorily explained —
the remainder is required on Account of an
advance to the 1st Battalion 12th Regiment
Native Infantry previous to its March —
from Trichinopoly to Nundydroog, which the
Paymaster States was authorized by the —
Officer in temporary Command of the former
Station. It is usual in cases of advances
authorized by Officers Commanding at out-
Stations to forward with the Estimates Copies
of the Authority under which the advances
are made which has been omitted on the
present occasion; as it however appears by
a receipt transmitted to the Accountant
General, and stated to be Countersigned
by Lieutenant Colonel Floyer, that the
advance was actually made, and as such
advances are customary I have reported
the

11376 Fort St. George 10th September 1813

The amount as above.—

Military Auditor General's
Office; Fort St. George,
10th September 1813

I have the honor to be,
Sir,
Your most obedient
humble Servant,
/Signed/ J. Prendergast
Mily Auditor General

Sent the following Letters.—
To the Military auditor General

No. 3.

To the Military auditor General.—
Encloses Copy of a letter from the Chief Secretary at Columbo—respecting the allowances unduly drawn by Major Hall of H. M. 89th Regiment; and States that the Governor in Council has resolved that no further notice shall be taken of the subject.—

Sir,

I am directed by the Honourable the Governor in Council to transmit to you the annexed Copy of a letter from the Chief Secretary to the Government at Columbo, in reply to my letters of the 22d. June and 4th July respecting certain allowances, which Major Hall of His Majesty's 89th Regiment had been unduly permitted to receive, and to acquaint you that His Excellency in Council has been pleased to resolve that no further notice be taken

of

11371

Fort St. George 10th September 1813.

of the Subject, to which it relates.—

Fort St. George
10th September 1813

I have the honor to be,
Sir,
Your most obedient
humble Servant
(Signed) Edw. Wood
Secy. to Government

To the Accountant General

Sir,

No. 4.

To the Accountant General—States that the question brought to notice in his letter of the 26th July, lies between the Attornies to the Administrator in England to Mr. Mainwaring's Estate, and the Registrar to the Supreme Court; by which Court it will be decided.

Para. 1. I have laid before the Honble the Governor in Council your letter of the 26th July, with the enclosure from the Attornies of the Administrator in England to the effects of the late Mr. George Mainwaring Paymaster at Palamcottah.—

2. The Governor in Council directs me to observe that the question in the Case which you have submitted to his notice, is between the Attornies of the Administrator and the Registrar to the Supreme Court of Judicature, and would

11372 Fort St. George — September 1813

would be decided by that Court on its being regularly brought forward, by Mess.rs Arbuthnot and Co. as such attor.- nies Calling upon the Court for an ad: judication in this matter between them and the registrar.—

I have the honor to be,

Fort St. George
10.th September 1813

Va, Va,

/Signed/ E. Wood

Sec.y to Government

To the Officer commanding at
Masulipatam

Sir,

No.5
To the Officer Comm.g at Masulipatam— Directs that the — issue of grain to the Troops and Followers may recommence.—

I am directed by the Honourable the Governor in Council to desire that the restriction of the issue of grain ordered by my letter of the 2.d of April, may be removed and that you will direct that Indents may be presented to the Commissariat Department

11373

Fort St. George — September 1813

Department at Manifestation for the delivery of grain to the Troops and followers — under your Command, so long as the — Market price shall exceed the rates at which it is guaranteed to them, under the existing regulations —

Fort St. George
10th September 1813

I am Sir
Your
Most
Obt. Servt.
/Signed/ Edwd Wood
Secy to Government

Receives and Sent the following Letters entered in M. B. No. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58 —

From the Offrs Commg the Center Division of the Army.

From the Major General Hare —

Reports his return to the Center Division. —

To the Military Board.

To the Military Board. —

With Extracts from the Proceedings in — Council on the — of the 19th and 20th

11374

Fort St. George — September 1813.

20th Ultimo.

To the Military Board —

To the Military Board —

Encloses Copy of Orders from the Supreme Government, and directs that a Supply of Arms and Accoutrement required by the Ceylon Government, may be furnished from the Arsenal. —

To Ditto —

To Ditto — Refers for Copy of a letter from the Envoy at Goa, recommending that Sergeant Rose, late Barrack Sergeant at Goa, who has remained there, in charge of Public Buildings, may be permitted to receive his Staff Pay and House rent from the date on which his appointment ceased, and so long as he may continue to discharge this duty. —

To Ditto — Directs that

To D.

Copy of rifles be forwarded to

Fort

11375

Fort St. George — September 1813.

Fort William —

To the Military Board.—

To the Military Boards —

The Advances of money recommended in their letter of the 2d. Instant have been sanctioned.—

To Ditto

To Ditto — States that the Bills recommended in their letter of the 2d. Instant, have been authorized.—

To the Military Audr. General.

To the Military Auditor — General — Transmits, for his information and guidance, Copy of a reference from the Secretary in the Military Department at Fort William, and an accompanying parcel.—

To Ditto.

To Ditto — Encloses Copy of a letter from the Secretary in the Military Department at Bombay, and directs that measures be taken for carrying the Adjustment of the Accounts therein

11376 Fort St. George — September 1813

To the Military Auditor General —

To the Military Auditor General — With Extract from the Proceedings in Council of the 10th — Instant —

To Ditto

To Ditto — Directs him to authorize the payment of Bills submitted by the Military Board —

To Ditto

To Ditto — Directs him to sanction the payment of advances of — Money recommended by the Military — Board —

To the Accountt General —

To the Accountant General — With Copy of the Military Auditor General's Report on the additional Estimate of Cash required by the Paymaster at the Presidency —

To the Commissary General.

To the Commissary General. — Informs him that the — Deputy

11377

Fort St. George — September 1813

Deputy Assistant Commissary General
Lieutenant Low is permitted to go to sea
on Sick Certificate — approves the mode
in which he proposes to provide for the
performance of his duties during his
absence. —

To the Comm.y
General —

To the Commissary General.
Acknowledges his letter of the 6th Instant
and incloses Copy of one, dispatched,
in consequence, to the Officer Commanding
Masulipatam. —

To the Town Major
of Fort St. George. —

To the Town Major of
Fort St. George — With Extract from the
proceedings on Council on his letter of the
2d Instant. —

To Ditto

To Ditto — With Copy of a
letter from the Secretary at Fort William
respecting the three recruits mentioned
in his letter of the 19th July. —

To

11378 Fort S. George — September 1813

To the Committee for Conducting the examination of Officers, Assistant Surgeons and Gentlemens Cadets in the Hindoostanee Language.

To the Committee for Conducting the examination of Officers, Assistant Surgeons and Gentlemens Cadets in the Hindoostanee Language.

Lieutenant Sherriff to be examined in Hindoostanee. —

To the Senior Chaplain at the Presidency.

To the Senior Chaplain at the Presidency — With Extract from the Proceedings in Council on his Letter of the 8th Instant. —

12th Received and Sent the following Letters entered in M. B. No. 59. 60. —

From the Secretary to the Govt at Fort William.

From the C. W. Gardiner Esq states that the Packet for the Secretary at the India House, which accompanied Mr Strachey's Letter of the 6th Instant, will be forwarded by the Licensed Ship Countess of — London

11379

Fort St. George — September 1813

London, now under dispatch. —

To the Accountt. General —

To the Accountant General —

With Copy of the Military Auditor Generals report on an Additional Estimate of Cash required by the Paymaster at Trichinopoly —

13th

Sent the following Letters entered in M. B. Nº 61. 62.

To the Military Board —

To the Military Board —

Encloses Invoices of Military Stores sent, this Season, to Fort Williams and Bombay.

To the Military Audt. General —

To the Military Auditor General — With Duplicate Pay Certificates of Officers permitted to return to India.

H

11380

Fort S. George 14th September 1813

At a Consultation

Present

His Excellency Lieutenant General

The Honorable John Abercromby

Governor President and Commander in Chief.

J. H. Casamajor
and
J. Strange
} Esqrs

Minutes of last Consulta-

tion read and Approved.—

Read the following letters

from Commander in Chief's Acting

Military Secretary.—

To Edward Wood Esq.

Secretary to Government

Fort, Fort, Fort,

Sir,

Lieutenant Prendergast of

the 2d Battalion Pioneers. who

has been returned absent without

leave, having explained to the

Satisfaction

Tuesday the
14th September 1813

No. 6.

From the Acting
military Secretary
to the Commander
in Chief—Request
orders may be
issued to prevent any
deduction from Lt
Prendergasts pay
and

11381

Fort St. George 14th September 1813

and allowances, Consequent upon his having been returned absent without leave.—

Satisfaction of the Commander in Chief the circumstance which led to that event, His Excellency has been pleased to authorize his return to the performance of his duty, and has directed me to request that the Honorable the Governor in Council will issue the necessary orders to prevent any deduction being made from his Pay and Allowances in Consequence of his having been so returned.—

Fort St. George
13th September 1813.

I have the honor to be,
Sir,
Your most obedient humble Servant,
(Signed) John Scott
Acting Mily Secry

No 7.
Resolution thereon.

Resolved that Lieutenant Prendergast be permitted to receive his pay and allowances without deduction as recommended by the Commander in Chief.—

To

11382

Fort St. George 14th September 1813

To Edward Wood Esqr.

Secretary to Government

Vr, Vr, Vr,

Sir,

I have the honor to transmit herewith by order, a letter from Lieutenant Colonel Dowse Commanding the Field Force, covering Contingent Bills of Expences incurred in the Construction of Boats and Hire of Boatmen, in the Months of June and July last with His Excellency's recommendation that they may receive the sanction of the Honorable the Governor in Council.—

I have the honor to be,

Vr, Vr,

/Signed/ John Scott

Acting Mily Secry

To

Fort St. George

13th September 1813

No. 8.

From the Acting Military Secretary to the Commr. in Chief.— Recommends for sanction, Contingent bills of expences incurred in the Service of Lt. Colonel Dowse's field force during the Months of June and July last, in the Construction of boats and hire of boatmen.

11383

Fort St. George 14th September 1813

To the Military Secretary

To His Excellency The Commander in Chief

Sir,

I have the honor to transmit herewith, Duplicate Contingent Bills of expences incurred for the Construction of Boats and hire of Boatmen during the Month of June and July, upon the Mudpurba, Gutpurba, and Paudshapoor Rivers, which I request you will be pleased to Submit to His Excellency the Commander in Chief for his approval.—

I take this opportunity of stating for the information of his Excellency that in consequence of the Rapidity of the Stream, I was under the necessity of increasing the number of Boats on the Gutpurba River for the better transportation of supplies for the use of this Force.—

I have

1138

Camp at Cotabary
31st August 1813.

No 9
Resolution thereon

Fort St. George 14th September 1813

I have the honor to be,
Sir,
Your
Most
Obedient
Humble Servant
(Signed) H. Dowse
Lieutenant Colonel
Commanding Field Force

Resolved that Authority
be given for payment of the Accounts
pourging Contingent bills of expences
incurred in the Service of Lieutenant
Colonel Dowse's field force for the
Construction of boats and hire of
Boatmen in the Months of June &
July last, amounting for the former
Month to Star Pagodas 89 — 8. 30, and
for July to Star Pagodas 130. 38. 70. ——
To Edward Wood Esq.
Secretary to Government
&c, &c, &c.

No 10.
From the Acting
Military Secretary
to

Sir,
I have been directed by
the

11385 Fort St. George 14th. September 1813

to the Commander in Chief Submits the Medical Board's Proceedings of the 6th instant, and recommends the admission of Several Gentlemen on the Establishment, as Assistant Surgeons.

the Commander in Chief, to request that the enclosed Proceedings of the Medical Board dated the 6th Instant, may be laid before the Honorable the Governor in Council, with His Excellency's recommendation that Messrs. James Buckle Hall, Richard Kellett, John Stritch, John Wylie, Isaac Stone, and James Stevenson, be admitted as Assistant Surgeons on the Establishment, the four former in Conformity with their Indentures, and the two latter in pursuance of the recommendation of the Medical Board.

Fort St. George
10th. September 1813

I have the honor to be &c. &c. &c.
(Signed) John Scott
Acting Military Secretary

To Edward Wood Esqr.
Secretary to Government

Sir,

No. 11.

From the Acting Military Secretary to the Commander in Chief.

I am directed by His Excellency the Comr. in Chief to transmit herewith, for

11386

Submits Proceedings of the Medical Board of the 6th instant reporting the Arrival of Mess.rs Surgeons Richard and Steddy -

Fort St. George 14th September 1813.

Sir,

I have the honor to transmit for submission to the Honorable the Governor in Council Proceedings of the Medical Board dated the 6th Instant, reporting the arrival of Mess.rs Surgeons John Steddy and William Orichard, and forwarding the Certificates of Examination granted them by the Honorable the Court of Directors to return to their duty on this Establishment.

I have the honor to be,

Sir,

Your most obedient

humble Servant,

(Signed) John Scott

Acting Mily Secry

To

Edward Wood Esqr.

Secretary to Government

&c &c &c

Fort St. George
10th September 1813

No. 12.

From the Acting Military Secretary to the Commander in Chief - With Proceedings of the Medical Board reporting Mr. Surgeon Colhoun's arrival

and

Sir,

I am directed by His Excellency the Commander in Chief, to transmit for Submission to the Honorable the

11387

Fort St. George 13th September 1813

and inclosing the Certificate of his permission to return to his duty on this establishment

The Governor in Council, Proceedings of the Medical Board Dated the 10th Instant, re=porting the Arrival of Mr. Surgeon Colhoun and forwarding the Certificate of permission granted him by the Honorable the Court of Directors to return to his Duty on this Esta=blishment.—

Fort St. George
13th September 1813.

I have the honor to be,
Sir,
Your most obedient
humble Servant
Signed John Scott
Acting Mily Secry

To Edward Wood Esqr
Secretary to Government

&c. &c. &c.

No. 13.

Sir,

From the Acting Military Secretary to the Commr in Chief — With Proceedings of the Medical Board inclosing Mr. John Hains indenture as an assistant Surgeon —

I have been directed by the Commander in Chief to request that the inclosed Proceedings of the Medical Board, Dated the 10th Instant may be laid before

He

11388

Fort St. George 14th September 1813

His Excellency recommends that Mr. Hains may be accordingly admitted on this Establishment.

Before the Honorable the Governor in Council,

with Mr. Excellency's recommendation that

Mr. John Hains be admitted as an Assistant

Surgeon on the Establishment, in Conformity

with his Indenture.—

I have the honor to be,

&c. &c. &c.

Signed John Scott

Acting Mily. Secry

Fort St. George
13th September 1813.

To Edward Wood Esqr.

Secretary to Government

&c, &c, &c,

Sir,

No. 14

I am directed by the Com=

From the Acting Mily Secry to the Commander in Chief. With Proceedings of the Medical Board submitting the application of Uncatawamy, Native Dresser to the Hospital at Cuddore, for a pension, which His Excellency recommends to the favourable Con=sideration of Govt.—

=mander in Chief to transmit to you, for

Submission to the Honorable the Governor in

Council, the accompanying Proceedings of

the Medical Board dated the 10th Instant,

recommending for pension, Native Dresser

Uncatarawmy

11389

Fort St. George 14th September 1813

Dear Sir

I am desired by the Medical Board to transmit to you the accompanying Proceedings of the Medical Board assembled at Vellore with His Excellency's recommendation that it may meet the favorable consideration of Government.

I have the honor to be
Sir
Your most obedient
humble Servant
(Signed) John Scott
Acting Mily Secretary

Fort St. George
13th September 1813

The Board proceed to pass orders on the following proceedings of the Medical Board assembled with the foregoing Letter

Resolution of the Honble Medical Board
in Council, 13th September 1813

No. 15

Proceedings of the Medical Board Recommending the admission of several gentlemen as assistant Surgeons on the Establishment.—

Dated 13th September 1813

Read

The Medical Board have the honor to report to His Excellency the Commander in Chief, for the consideration of Government, the undermentioned list of Mr. James Buckle

Gentlemen

11390 Fort St. George 14th. September 1813

Gentlemen

= ted Assistant Surgeons Hallett, John Stritch
on the establishment and John Wylie
Viz.t Assistant Surgeons for
Mr. James Burtle Hall, H.s Establishment;
Richard Hallett - and to forward their
John Stritch - Indentures agreeably to
John Wylie - the existing regulations.
James Stevenson - Accordingly recommend
By Order of the that they be admitted
Honorable the Governor upon the Establishment.—
in Council 2 The Medical
Signed E. Wood Board have also the
Secy to Govt. honor to report the
arrival of Messrs.
Isaac Stone, and
James Stevenson Assist.
= ant Surgeons for this
Presidency

11391

Fort St. George 14th September 1813

Presidency, the latter
Gentlemen not being
aware of the necessity
of producing their Indentures at this Office,
have neglected to bring
them from England. They
are however, ready to
make Affidavit that
they have been appointed Assistant
Surgeons by the Hon.
able the Court of
Directors, and having
respectively in their
profession an Order
to be received on Board
Ships in that Capacity,
the Medical Board
cannot

11392

Fort St. George 14th. September 1813

cannot hesitate to re-
-commend that they
be admitted upon the
Establishment.—

(Signed) Alexr. Watson M. D.
President Medl. Board
Henry Harris M. D.
2d. Member Medl. Board

Medical Board
6th. September 1813

The Medical
Board have the honor
to report to His Excellency
Resolved that the Commanders in
Chief and Government
and William the arrival on the 5th
instant of Mesrs. Surgeons
John Steddy, and William
in the Richard, and hereunto
Medical Transmit

No. 16.
Proceedings of the Medical Board. Report the Return to their duty of Mesrs. Surgeons Richard & Steddy

11393

Fort St. George 14th September 1813

Medical Establishment of this Presidency.—

By Order of the Court of Directors to Hon^ble the Governor in Council.—

/ Signed / E. Wood
Secy to Govt.—

Resolution of the Hon^ble the Governor in Council. Dated 14th September 1813.

No. 17.
Proceedings of the Medical Board.—
Report that Mr. Surgeon Colhoun has returned to his duty in India.—

To transmit the permission of the Honorable the Court of Directors to the Establishment.—

Wm. Watson M. D.
President Med^l Board

Henry Harris M. D.
2^d Member Med^l Board

Medical Board

10th September 1813.

The Medical Board have the honor to report to His Excellency the Commander in Chief

Resolved that Government the Mr. Surgeon Colhoun be directed to resume on the 8th instant, the duties of his rank of Mr. Surgeon Colhoun, on the Medical Establishment

July 1812 Ordered

on

11394

No. 18.

Proceedings of the Medical Board — Submit the Indisposition of Mr. John Hains, appointed an Assistant Surgeon on this Establishment —

Fort St. George 14th September 1813

Read in Council the 14th September 1813

(Signed) E. Wood

Secy to Govt.

(Signed)

Henry Harris M. D.

Jr. Member Medl. Board

Medical Board

10th September 1813.

The Medical Board have the honor to report to His Excellency the Commander in Chief and

Establishment on Board the Barossa Presidency. —

By Order of the Honorable the Governor in Council

(Signed) E. Wood

Secy to Govt.

Read in Council the 14th September 1813

Alexr. Watson M. D.

President Medl. Board

to perform the Medical duties of that Ship, and herewith forward the permission of the Hon.ble the Court of Directors to return to his duty on this Esta. blishment. —

11395

Fort St. George 14th September 1813

Resolved that Government the Arrival
John Haines be admitted of Mr. John Haines with
=ted an Assistant the Appointment of Assistant
Surgeon on the Establish Surgeon on this Establish
=blishment.—

By Order of the at the
Honorable the Governor to submit his
Council.— agreeably to the
regulations, and to
/Signed/ E. Wood send that he be ad=
Secry to Govt. =mitted accordingly.—

Watson M. B.
/Signed/ President Medl Board

Harris M. D.
Member Medl Board

Medical Board
14 September 1813.

No 19.
Proceedings of the Medical Board—
Recommend the grant of a pension to a Native Dresser attached to the Hospital at Vellore.—

Resolution of the Hono=
=rable the Governor in
Council Fort St George 14th
September 1813

Resolved that

Veneat as under

The Medical
have the honor to
to His Excellency
the

11396 Fort St. George 14th September 1813

Vide also any letter the Commander in Chief
Dresser attached to and Government Copy of a
the Hospital at a Letter from the Garrison
Vellore be admitted Assistant Surgeon at Vellore
on the Pension List, addressed to the Members
Subject to the pleasure Medical Board Superin-
of the Honorable the tending Surgeon of the
Court of Directors or Center Division, accom-
a monthly allowance panied with a Petition
Hon Pagoda from the Native Dresser
By Order of the attached to that Hospital
Honorable the Governor praying that a Pension
might be granted to him
for his long and faithful
Services during a Period of
8 Years

2 The Medical Board
are sensible of his Services
and the Character of the
Petitioner being supported
by

11399 Fort St. George 14th. September 1813

To A. Watson Esqr. &c. &c. &c.

President and to the Members of the

Medical Board.

The Humble Petition of

Cornelius Dreyer in

the Garrison Hospital of

St. George.—

Humbly Sheweth,

That your Petitioner has

Served as Dresser in the Garrison Hospital

of St. George for the Space of Twenty eight

years, and has during that period con-

=ducted himself honestly and faithfully and performed

the duties of his Situation to the entire

Satisfaction of the following Gentlemen

under whom he served viz.t.—

Dr. Taylor }

" } Head Surgeons

" }

Messrs

11400

Fort St. George 14th September 1813

Majr. Inglis

" Pritchard

" Macleod

That your Petitioner was employed as a Public Servant for Twenty two years of the above period as will appear by the Muster Rolls and Abstracts of the respective Surgeons to the Corps at that time, but that your Petitioner became a Garrison Surgeon / as / at that time ceased to [illegible] Duties in the Hospital and has since been constantly employed in the same Department.—

That your Petitioner has Particularly evinced his Zeal for the Service immediately after the Mutiny in July 1806. and suffered many hardships

11401

Fort St. George 14th September 1813

hardships and privations while in the
execution of his duty, in his Constant and
unwearied attention upon the Sick and
wounded Europeans who were then thrown
into the Hospital.

4th And that your Petitioners
constitution and Health are irreparably
injured, having for many years laboured
under a rupture on the right side, which
alone renders him unfit for the further
performance of his duty as a Dresser and
totally disables him for gaining a main-
=tenance in any other line of Life.—
=cumstance above stated your Petitioner
most humbly hopes that you will take
his case into consideration and recommend
that a Pension should be granted him
for his long and faithful services to his
Honorable

11402

Fort St. George 12th September 1813

Vellore
25th August 1813.

Honorable Employers and your Petitioner
Shall Ever Pray.
Signed / Veneatasawmy /
Head Dresser Garrison
Hospital Vellore

Read the following Letters
from the Adjutant General of the Army.—
To the Chief Secretary to Government
Fort St. George

Sir,

No. 20

From the Adjutant General of the Army. Reporting Casualties and recommending promotions.

By desire of the Commander in Chief I have the honor to report to — you, for the information of the Honorable the Governor in Council that the following Casualties have occurred.—

Captain J. B. Wainhouse of the Second European Veteran Battalion, died at Ganjam on the 13th August 1813.—

Captain Lieutenant Francis Syreen of the 11th Regiment Native Infantry died

11403

Fort St. George 14th September 1813

died at Masulipatam on the 29th
August 1813.

I am further desired by
His Excellency to request, you will state
to the Honorable the Governor in Council his
recommendation, that the following Promo-
tions may be ordered.

10th Regiment N. I.

Ensign Michael Lawler to be Lieutenant Vice
Bell, Cashiered Dated 28th August 1813

11th Regiment N. I.

Lieutenant Thomas Sutton to be
Captain Lieutenant
Ensign Andrew Fauquharson to
be Lieutenant

} In succession to Green, Deceased. Date of Commission 30th August 1813.

Adjutant General's Office
Fort St. George
10th September 1813.

I have the honor to be,
Sir, &c.
(Signed) T. H. S. Conway
Adjt. Genl. of the Army
Ordered

11404

Fort St. George 14th September 1813

No. 21

Order thereon recommended in the foregoing Letter be directed to take place—

To the Chief Secretary to Government

Fort St. George

Sir,

I am directed by His Excellency the Commander in Chief to request you will state to the Honorable the Governor in Council, that Ensign James Clemons of the Carnatic European Veteran Battalion having been by the Honorable the Court of Directors promoted to the Rank of Lieutenant in the Army, as appears by an Extract of a letter from the Honorable Court dated 12th March 1813, and published in Government General Orders of the 12th August following, in which it is stated, that Lieutenant Clemons do take Rank next after Lieutenant Gilbert,

it

No. 22

From the Adjutant General of the Army— With reference to the letter from the Court of Directors, promoting Ensign Clemons to a Lieutenancy in the Carnatic Battalion, to rank next to Lieut. Gilbert, recommends that his Commission bear date from the 11th Sept., 1811.

11405

Fort St. George 14th. September 1813

It becomes necessary to assign to Lieutenant Clemons a Specific Date of Rank: His Excellency therefore recommends, that the Commission of Lieutenant Clemons in the Carnatic European Veteran Battalion do bear date on the 11th. September 1811 which places that Officer between Lieutenants Gilbert and O'Connell.

Adjutant Generals Office — I have the honor to be,
Fort St. George
10th. September 1813

Sir
Your
Obt. Servt.
(Signed) T. H. Conway
Adjt. Genl. of the Army

No. 23.

Resolution thereon

Resolved, as recommended by His Excellency the Commander in Chief, that Ensign James Clemons - do take Rank as a Lieutenant in the Carnatic European Veteran Battalion, between Lieutenant Gilbert and O'Connell, his Commission to date from the 11th. September 1811.

Read

11406 Fort St. George 12th September 1813

Read the following Letters

from the Military Board

To His Excellency Lieutenant General

The Honorable John Abercromby

Governor in Council

&c, &c, &c,

No 24. Honorable Sir,

From the Mily Board - Submit Copies of the Report and Estimate with the Original Plans laid before them by Lieut. Colonel Caldwell for the repairs and reform of the Fortress of Seringapatam - also Copy of a Minute of the Chief Engineer regarding the same - observe that, as the Project of repairing that and other Fortresses has been laid aside, it is unnecessary to discuss the subjects adverted to in Mr. Strachey's letter of the 11th September last -

With reference to the Orders of Government of the 11th September last, and to our Report of the 26th of that Month, we have now the honor to Submit Copies of the report and Estimates with the Original Plans laid before us by Lieutenant Colonel Caldwell for the repairs and reform of the Fortress of Seringapatam. These Papers having been referred for the Special Report of the Chief Engineer, we have the honor to Submit Copy of the Sentiments re-

corded

11407

Fort St. George 11th September 1813

recorded by that Officer and in which we generally concur.

2. As it appears by the resolution of Government transmitted to us with Mr. Secretary Stanley's letter of the 23d July that the proposal of repairing this and other Fortresses has been abandoned for the present, we do not think it necessary to enter into any further Consideration of the Subjects adverted to in Mr. Secretary Stanley's letter of the date mentioned at the Commencement of this Report.

Fort St. George
2d September 1813

We have the honor to be &c, &c,

/Signed/ E. Travers
Rob. Bell
J. H. Conway
C. Blacker
W. Morison
C. Pindergast

To

11408 Fort St. George 12th September 1813

To the President and Members of the
Military Board

Gentlemen,

In conformity with the instruc-
tions of the Military Board conveyed in
your Secretary's letter under date the 26th
September 1812 I have inspected the
Fortress of Seringapatam with a view
towards the repairs, restoration and reform
of its Defences, the various Papers, Plans,
Estimates &c Connected with this under-
taking which by the Orders of the Board
I have had the honor to be furnished
with, have been carefully perused and
the opinions and suggestions therein con-
tained, which have from time to time
been offered by the several high autho-
rities that have taken this important
and complex subject into Consideration

and

11409 Fort St. George 11th September 1813

and from which a valuable extent of in-
formation has been derived / have been
Contemplated and Estimated with that degree
of Consideration and respect which the sources
from whence they have sprung must impose,
aided by these numerous Documents in Con-
=junction with a Minute inspection of the
Fortress of Seringapatam in all its parts-
I have the honor to submit for the considera
=tion of the Board the accompanying report
together with the necessary Plans and Es-
=timates for the elucidation of the subject.—

In forming and Compiling the
Several Plans and Sections of the existing and
proposed Works, I have been Materially ~
assisted by the orders of the Board many of which
are the result of Minute investigation and
measurement.—

In the formation of the Estimates
I have

Fort St. George 14th September 1813

I have deviated from the System hitherto pursued, so far as relates to the Class of Masonry having adopted Brick for Stone in all cases where exposure is avoided. In the Estimates submitted by Major Linnon the revetment consist of Stone upon a thickness in many instances of from four to twelve feet the rate of work being £. 10. 0 per Cubic foot, under the impression of this being a superfluous expence, I have adopted a facing only of Stone upon a thickness of from two to three feet backing the whole with Brick at the rate of £. 2. 70 per foot. a system under which the works will be greatly secured against the effect of time and climate and which will constitute them of a Superior Class / so far as relates to the quality of the Material / to those of Fort St. George and other fortified places in general. -

As a clear and distinct -

view

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Fort St. George 11th September 1813.

view of the great disbursement which the reform
of this Fortress must entail is a branch of
the subject that must be deemed of Considera
=ble importance I beg to Call the attention of
the Board to a view of the Estimates which
have heretofore been submitted particularly
at that period when the general project
under Major Lennons report was before the
Committee of the Military Board in 1807,-
as no connected or distinct Statement
expressive of the general total of the re:
=quired disbursement for the Construction
of the proposed works appears to have been
then exhibited: This I had intertained a
persuation was to be met with in what is
termed Major Lennon's Estimates which —
upon research I find is not the case as
that Officer in his list of Estimates taken by
the Committee to amount to Star Pagodas
3,04,999. 25. 19. extracts from the Statement

of

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of the Chief Engineer such works only as appeared to contain defects either in Plan or Estimate, simply referring in his report to those subjects where no alteration was necessary. Since a just total of the required disbursement at the subject stood before the Committee in 1807 must be derived by taking the Estimates of Major Lennox and at the same time extracting from those of the Chief Engineer the proposed amount for such Works as it was considered [illegible] advisable to adopt, keeping in view that the latter takes no note of any of the required Earth work for their Completion and to this it will be necessary further to add the amount of such works as upon the face of the proceedings of the Committee are suggested and recommended in addition to those of the Chief Engineer and Major Lennox but which

11413

Fort St. George 14th September 1813

which were not then estimated for.—

The Estimates by Major Lennox

embracing these details and totals are already

before the Board, and I have the honor to

submit accompanying a Statement No. 1. which

contains an extract of such unobjectionable

works as were estimated for by the Chief

Engineer together with the additional improve-

ments suggested by the Committee of the

Military Board, neither of which were in-

cluded in Major Lennox's list, a general

total drawn from these three Sources will

exhibit the required disbursements as the

subject stood before the Board in 1807 in-

dependent of the Stone Glacis, the Glacis on

East and South faces, the formation and

clearance of the Esplanade and the

removal of several Bulwarks, none of these

wooden Bulwarks having been estimated for

except

114 14

Fort St George 14th September 1813

except by Major General Bois in 1800

(the Stone Glacis alone by that Officer —

Amounting to 114,765/ altho' the necessity for

their adoption is admitted and urged in the

body of all the several reports that have —

been drawn up upon the subject of the repair

and reform of this Fortress, this omission

may probably have arisen from the various

difficulties that are presented against form-

-ing precisely Correct Estimates of these under

-takings on Account of their peculiar —

Character and description and the uncertainty

of the nature and extent of the means to

be afforded towards their Completion semi-

-lar Causes still prevailing I have myself

not found it practicable to form detailed —

Estimates for some of those branches of the

Project; at the same time as it may be —

expected in pursuing a subject of so great

importance

Fort St. George 14th September 1813

importance and where so great a Dis-
=bursement must be entailed as the one
under review that the Statements of pro-
=bable expenditure should as much as prac-
=ticable approximate the ultimate disburse-
=ment, I beg to submit an opinion for
the information of the Board that an
additional sum not less than one Lac
and half of Pagodas will be required,
unless a large body of Pioneers or others
similar means are afforded as suggested
in the body of the accompanying Report.

Under the above display and
an investigation of the Combined items
exhibited upon statement No. 1 (to be
added to Major Lennon's Estimates) the
Board will I presume be enabled with
facility to view the correct state of this
intricate and important subject previously

to

11416 Fort St. George 14th September 1813.

to its having fallen into my hands.—

The Abstract Statement

No. 2 contains the whole of the works now brought forward for Construction, reform or repair, and is submitted in Connection with No. 1 as a Convenient arrangement or form under which the means are provided for stating such Comparative views of the subject and for forming such conclusions as the judgement of the Board may dictate.—

I have the honor to be, &c &c

(Signed) Jn. L. Caldwell

Lieut. Colt. of Engineers

Offg. Insp. of defences &c &c

(A true Copy)

(Signed) W. Ormsby.

Secy. Mily Board.

Report upon the present State together with the proposed reform and repair of

the

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The Fortress of Seringapatam.-

Para 1. The principal prevailing defects in the Defences of the Fortress of Seringa-patam are already well known to the Board from the various documents which have been submitted from time to time by the several Individuals whose attention has been directed to the Subject of its repair and reform, and may be considered to Consist of the following particulars. The Slight and insecure principles under which the works in general have been originally raised and their Consequent decay.-

The Scanty provision of flanking fire and Collateral defence.-

The Commands to which the Fortress in many of its parts must apparently be ever subject.

The great length of the lines

of

Fort St. George 14th September 1813

of Defence in the few unconnected instances
where any security of this Class is derived,
and the exstremely defective Defilement
as well with respect to the form and
distribution of the Several works, as many
existing local obstacles to Strength, security
and perfection which obtain within Gun
Shot Range in the environs. An effectual
Remedy and Correction of the whole of these
predominating defects is I apprehend —
not to be found even under a latitude
to the extent of adopting an entire new
Fort upon the present Site of Seringapatam,
the great inequality in profile of the surface
of the spot on which it is Constructed and
the low Situation of a Considerable extent
of its outline, relative to many adjacent
parts must apparently render any attempt
at the attainment of this desireable —
object

11417

Fort St. George 14th September 1813

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The Command by which the Fortress in many of its parts must apparently be ever subject.

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distribution of the Several works, as many
existing local obstacles to Strength, security
and perfection which obtain within Gun
Shot Range in the environs. An effectual
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the low Situation of a Considerable extent
of its outline, relative to many adjacent
parts must apparently render any attempt
at the attainment of this desireable -
objects

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object altogether fruitless, at the same time some degree of Counterbalance is to be admitted in the great protection afforded by the River Canvey to the North and South west faces of the Fortress in general, and the difficulties which an Approaching Enemy will have to encounter in advancing his works thro' the rugged rocky Soil which obtains on the other two Fronts, these natural advantages which contribute in so material a degree towards the Security of the place are of high importance - and it becomes necessary in the improvement and adaption of the required Defences towards the proposed reform to keep them at all times in view and to accommodate the projected Works in the Several parts of the Fortress to the probable consequences and effects which under an attack may result from them in

Jaron

11420 Fort St. George 12th September 1813

favor of the Garrison within the Walls.—

2 The last Project of reform Compiled and Completed by the Committee of the Military Board in the Month of January 1807 and which is pursued upon the System of taking advantage in all posible Cases of the present line of works, presents a series of essential improvements in the Defences of this Fortress, under the same principles which appear to have governed the opinions of the Committee— and which alone are applicable under a Consistent view of the prevailing obstacles and defects in the Fortress of Seringapatam where a procrastination only to perfection is practicable. I beg leave to Submit the following detailed remarks upon the Character and Condition of the works in

General

11421

Fort St. George 14th September 1813

general and the several repairs and improve-
=ments under Contemplation. 2

3 On a review of the present
Condition of the works of Seringapatam
it is with concern that I feel myself Con-
=strained to represent the weak and dilapi-
=dated state of the place in general, not
only with respect to the actual ruin of
many of its parts, but with reference also
to the discription and Character of a very
Considerable portion of its works which
Still remain entire, altho' apparently far
advanced in decay; in many parts open
breaches in the principal walls are presented,
the Ditch is generally imperfect and in-
=complete and the defects in the Glacis
on the East and South fronts (being the
Land faces) are such that an Enemy may
take post within a few yards of the
defences

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defences entirely under cover and protected against artillery from the walls of the fortress: the revetments of the walls in General consist of little more than a facing of Single Stones laid in Mud and pointed only with Chunam / see the attached Sketch See Section N.O. N.1 / and being raised upon a Slope which throws the Perpendicular or center of gravity clear of the base it is evident that the upper part of the revetment has no bearing except upon the backing of Earth. which on the Contrary it is intended to sustain it is well known that the principal objects and purposes of revetments are to resist pressure, to counteract and sustain the ravages of time and as much as possible to withstand breaching by shot, but in offering a professional opinion upon these slender and frail

11423 Fort St. George 14th September 1813

pail facings, it must be urged that the effects of pressure alone are sufficient to bring them down unaided by the operation of any other Agent — and moreover a consequence independent of inherent weakness results from these slight revetments and the Earth of which their parts are composed, a rapid vege-
=tation is encouraged and promoted and I observe that strong sedge grass shrubs &c &c is now growing thro' the joints of the Courses of stone in various parts, the roots of which dive into the adjacent bank
=ing of Earth where abundant nourish-
=ment is afforded towards their increase and strength, hence the seams of the masonry are opened, the revetment is forced and protruded from its original position and destruction is the conse-
=quence

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In Consequence of these manifest Causes;
it is difficult to adopt a remedy against
this evil, the extraction of the grass and
Shrubs being impracticable without
removing the Stones which form the
facing and as the Masonry has no thick-
ness nor possesses any adhesion and
consequently no Solidity or Strength;
all the Adjacent parts and places the
Superstructure particularly in great danger.
It is needless to observe that this discription
of revetment can never stand against
breaching; if it resists for a few years
weather and the Consequences of a Climate
Consisting of Combustible heat and moisture
nothing more can be expected of it. For-
tunately the prevailing soil of this part
of the Country and of which the Ram-

parts

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Fort St. George 14th September 1813

Ramparts of Seringapatam are in general composed of a very tenacious and firm discription of earth and when well settled is nearly capable by sustaining itself upon a profile just far removed from the Perpendicular, was this not the case I am disposed to be of opinion that the whole of these slight facings would have been a general ruin long since, simply from the operation of the pressure of the Ramparts behind them, for not only are the Revetments thus slender but also not a single Cavern Serfont has been yet discovered in any part of the works.

In many parts of the Fortress the exterior revetment of the Rampart is raised from the original surface of the Rock as exhibited upon the attached Sketch No 2 and not built up from the bottom of the Ditch the

Escarp

11426 Fort St. George 14th. September 1813

Escarp Consisting only of the original rude excavation, this rock is of a very soft nature particularly on the Eastern front having a large portion of Earth incorporated with it and being very subject to decay upon exposure to the air - grass shrubs and trees are now growing from it in all parts and when the rains fall great quantities of the decomposed Stone and Earth are brought down, in many instances this base upon which the main Ramparts stand is so much decayed and degraded that the work above is nearly undermined and pendant and in several parts has entirely fallen down into the Ditch in Consequence of the Rock beneath having given away, and I am not without apprehension that the entire downfall of the whole of this Face is threatened unless shortly secured

11427 Fort St. George 14th September 1913

Secondly, the Sultaun Tippoo appears to have been aware of the probability of this disaster as a substantial foundation a. a. as expressed upon the Sketch in red is laid in many of the most defective spots apparently with the intention of backing up the Rock with a Strong Stone facing as shewn in yellow — below in the Course of this report the preservation and Security of the Escarp in those parts where it is most required is provided for upon this System taking — advantage of the existing foundations Commenced by the Sultaun —

5. The Counterscarp also is circumstanced in all respects as above — represented, having the Coverd way. b. b. — raised upon it, and should be secured under the same System, but as this — will be attended with Considerable expence

and

Fort St. George 11th September 1813

and as the Ditch is already very narrow -
I am rather disposed to recommend that
the Counterway which is now an entire ruin
and must be wholly rebuilt should be set
in C. C. / as expressed below upon the
drawing / about ten feet from the brink
of the rock upon a firm and well levelled
base and that the native rock that
Constitutes the face of the lower counter
= scarp C. C. shall be cleared of its
vegitation and rubbish and trimmed
away to a fair and even surface for the
purpose of rendering the descent to the
Ditch difficult or impracticable To
enable the Board to form a Correct opinion
upon the Character and Condition of these
Works, I have attached to the Plans and
Sections a perspective Sketch No 1 taken
from the bed of the Ditch upon the East

face

Fort St. George 14th September 1813

face of the fortress.

6. On the South face of the Rock forming the Escarp of the Ditch is equally exposed, but appears of a much harder and more durable quality with the exception of a few partial spots. The part which in this quarter seems most subject to degra- dation is the summit of the Rock d (See Sketch 1) at the foot of the revetment it will therefore be necessary to secure this surface or small berm by a good pavement and Coping of Stone Masonry as expressed in Yellow - taking Care that its base shall lie set horizontal on the Rock which must be previously levelled to receive its first course: the grass and Shrubs may be ex- - tracted from the Rock below and the Cavities secured with Masonry which will preclude the necessity for backing up the whole -

of the

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— of the Counterscarp of this fort with
an artificial defence of Mason —
North West angle A. proposed Bastion.
B with the reformed Flanks a. b. &c
Plan No. 2 and General Plan —

7. These works Constitute a —
series of collateral defence upon two very
weak points of the Fortress, and with —
respect to position, are applied in the most
efficacious manner Consistent with the —
prevailing form and direction of the present
defences, the advantage to be derived from
them are fully pointed out in the Memo:
-randum which accompanied the Minute of
His Excellency the Commander in Chief in —
April 1812, a Considerable degree of flanking
fire is introduced by the Creation of the
several flanks, the adoption of the Bastion
B reduces the Series of defence (see general
plan of Report which in the present —

State —

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Fort St. George 14th September 1813.

State of the Fortress are of so great a length as to be altogether incapable of affording any effectual support, and a powerful direct fire is presented upon both the North and South West faces against the approach of an Enemy upon the opposite side of the River upon each of these points North and South west the River is fordable, the British Army in 1799 having assaulted near the north flank of the proposed Bastion B, but so rough a surface is presented on the Rocky Bed of the River and an Enemy will be compelled to pass it so entirely unprotected by any Cover that the attempt must be deemed a very hazardous enterprize in the face of a resolute Garrison.—

The Plans and Estimates for these several Works already before the Board and which were digested by

11432 Fort St. George 15th September 1813.

by the Committee in January 1807 / are apparently founded upon Correct data and Measurement, and I have not deemed it necessary to suggest any al= teration to them beyond the adoption of Brick for Stone to the rear of the Revet= =ments for backing the Stone facing and which Considerably reduces their amount.

Bastion C. South West face, Plan No 3.

8. The Bastion C. has been Minutely inspected with reference to the remarks of the Committee upon the diffe= =rence of opinion that has prevailed with regard to the state of the old work and the required requirements for its security and reform, the observations made by Major Lennon in his report para 11th upon the bad Condition of the North west flank occasioned

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Fort St. George 14th September 1813

occasioned by the effect of our Shot during the Siege as well as the general Character of the existing Work, appear upon examination to be altogether Correct, the Bastion which is now an outwork attached to and Springing from the Fausse braie is considerably below the Crown of the main Rampart of the body of the place behind it, and I am disposed to be of opinion is altogether incapable of sustaining the additional raising here-tofore suggested to bring its summit to a height uniform with the adjacent Rampart with which it is proposed to Connect it, the North west face and flank have both been greatly battered by our shot during the Siege of 1799 and the work in general is composed of various Materials, part rough Stone in Clay and part brick presenting very little security upon which to found a weighty Superstructure. as the Position of this work upon a weak point of the Fortress renders it of great importance

I.

11434

Fort St. George 14th September 1813

See Plan No. 4.

I strongly recommend its entire reform and that it shall be still reserved as a detached outwork, that its north west flank a. b. shall be extended as exhibited upon the Plan No. 4. and an additional low flank. C. d. be added principally as a reserve against assault upon the Collateral Bastion B the Main Rampart of the body of the place e. f. being Completed in the rear and preserving such a direction as shall produce the additional upper flanks e, e, under Cavalier 2.—

9. The following advantages will apparently be derived from this system of reform, a greater Capacity be given to the Bastion which is now exceedingly Con: =fined, a more powerful fire be produced upon the South west face and Salient = angle of the Collateral Bastion B (see general Plan) which is immediately op

posite

11435 Fort S. George 16th September 1813

opposite to the fordable part of the river
where the British Army assaulted and
also the passage of the river, and finally
by detaching the work it will reduce the
Enemy should he Come upon this point to
assault two breaches instead of one, or
possibly to the necessity of retrenching him-
= self in the Bastion which will be attend
= ed with Considerable loss of both time
and Men as an Account of the low situa
= tion of the work relative to the Main
Rampart and Cavalier N. 2 in its rear
he will be greatly exposed to a Com =
= manding fire. —

Fausse Brace of South West Face general
Plan —

10th Major Lennon para 14th
remarks upon the decayed Condition of

the

11436 Fort St. George 14th September 1813

The Fausse Braie wall upon the South west face from Bastion C. down to the South west Angle and represents the necessity for its repair, this work has since fallen further to decay and the whole line with very little exception may be considered a general ruin, no Estimate has hitherto been drawn up for this repair, it is therefore provided for by No. 32.—

A persuation appears to obtain that the river upon this face from the proposed Bastion B South Westward is not fordable which is incorrect as I observe the Inhabitants now pass it daily in various parts in preference to taking the more circuitous route thro' the Mysore Gate and over the Periapalam Bridge.—

Flanking

11437 Fort St. George 14th September 1813

Flanking and Cremalier Batteries S. W.
face — General Plan of Reform.

11th The several Flanking and
Cremalier Batteries D2, D2, D2, and V.V.
adopted in the general Rampart of the
South West face between Cavaliers 2 and
3 / see general Plan / have been Estimated
for by the Chief Engineer, but some alteration
will now be necessary. I have therefore
judged it advisable to submit the Esti-
-mates Nos. 25 and 26. for these Works
which exhibit only the Masonry required
for the formation of the several Batteries,
the Earth work for selling in the Parapets
and the Construction of the Rampart —
being included in the general Estimate
for Completing the Rampart on this face —
5 Gun Battery X S. W. Angle.

Plan No. 6 Section No. 7.

12th

11438 Fort St. George 14th September 1813

12th The five Gun Battery X at

Sections No 7.

Marked to Cavalier 3 is a mere tempo-

rary work of Earth with a rude

rough Stone facing laid in Clay, the

whole of its revetments, Parapets and

ramps as well as the interior retaining

wall of the Terreplein of the Battery

must be Constructed, the Estimate by

Mar Pagodas 5439.— 31.70 it having been

the intention of that Officer apparently

to form an Additional Rampart round

the rear of the Battery below but as the

proposed foundation must fall upon the

Site of the old inner Ditch / now filled

up / where there is reason to apprehend

they may be insecure and as there

appears no urgent necessity for this

additional work I have drawn up the

Estimate

11439 Fort St. George 14th September 1813

Estimate No. 8 amounting to the Sum of Star Pagodas 1873 : 26. 62. which will fully answer the required purpose. —

Cavalier 3. S. W. Angle Plan No. 6.

13. His work which is attached to the former is regularly Constructed — and requires only new Parapets —

S. Gun Battery Y. S. W. Angle Plan No 6. Section No. 7. —

14. This Battery has suffered greatly under the effect of our Shot — during the Siege of the Place, an entire new exterior revetment to Rampart — will be required with some repairs to its exterior revetment and new Parapets as expressed upon the Section No. 7.

S. W. Battery E. Plan No. 6.

15 The remarks made by Major Lennon page 19 with regard to the

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The original Estimate for the reform and repair of this work and which are Confirmed by the Committee of the Military Board are Correctly just and the Estimate submitted by that Officer is now adopted under the de= duction which result from sub= stituting brick for Stone to the interior of the Revetment.—

Completing the Enceint of the Body of the Place at the South West angle Plan No. 6.——

The inner Rampart of the Southern face adjacent to the South West angle is now entirely open upon a length of 350 feet and it is of importance that the Suggestion of the Committee for Connecting this line with the South West Rampart is

expressed

Fort St. George 14th September 1813

expressed in Yellow g. g. g. shall be
adopted and that the Communication
between the body of the place and the
exterior works be Cut off.

The Cavalier No. 2 / Plan
No. 4 / is in a very ruinous condition
great part of it being Composed of Stone
and Clay and having sustained much
injury from our Batteries during the
Siege, the Estimates and Measurements
already before the Committee delivered
by Major Lennon are under some trifling
alterations well Calculated for its repair
Vizt. Gate Battery of Plan No. 6.
17th A Plan and Estimate has
been drawn up by the Chief Engineer
for the repair of this work and adopted
by Major Lennon preserving its pre-
= sent form as expressed upon the
accompanying

11442 Fort St. George 11th September 1813

accompanying Plan No 5 its front or
Southern face h. h, being entirely un-
protected, upon examining the
work I observe that in the Ditch
before this face perfect cover is afforded
and that an Enemy when in possession
of this Spot is not to be seen from
any part of the Walls of the Fortress.
The Estimate submitted by the Chief
Engineer Amounts to the Sum of Star
Pagodas 23,858. 22. 31. not including
the great mass of Earth that will
be required for filling in the whole of
the body of the Battery upon a depth
of near thirty feet being now a hol-
-low work which is to be brought
to the same level and Connected
with the adjacent Ramparts; as this
work must be Considered of great
importance

Fort St. George 14th September 1813

importance towards the general security of the Southern front of the Fortress, I beg to recommend that its reform as exhibited upon Plan No. 6 by filling in the dead angle K. K. and Converting its flat face into a Salient Angle be adopted which will Materially augment its powers of defence and under the system now proposed of adopting brick for Stone the disbursement will fall within the above mentioned sum as appears upon Estimate No. 23.—

The Sally Port and two Bridges of Communication i.i. west of this Battery with the reform of the Covert = way and Communication with the South West Battery E as proposed by Major Limman is apparently well cal. = culated for the purposes required.—

Mysore

114444 Fort St. George 14th September 1813

Mysore Redoubt E Southern Redoubt G and Southern Redoubt H Plans Nos. 6 and 8.

18. Various opinions have been offered upon the subject of the repair and reform of these works arising principally from the Character and Condition of the present Revetments which have been represented by Major Lennox as being altogether incapable of sustaining any additional Superstructure. I have therefore deemed it necessary very Minutely to examine these walls which are I find of very weak and insecure construction, and I apprehend no professional opinion can venture to ensure their permanent stability at the same time as their reconstruction must entail a very heavy

11445 Fort St. George 14th September 1813

heavy disbursement I am disposed to re-
recommend that the present revetments
under their repair shall be taken ad-
= vantage of and a reform as represented
upon Plan No. 6 and 8 be adopted Viz.
by setting the interior retaining Wall of
the Parapet 40 and 50 feet within the
exterior line of the work and the
interior revetment of Rampart about
80 feet. under this system the pressure
will in a great degree be taken off the
present exterior Revetment and should
any part of it give way in future it is
probable that the new work will not
be affected as the interior walls being
set far in, will stand fast until the
failure shall be repaired or recon-
= structed upon the regular prescribed
Dimensions. The Terreen of the Parapet

and

11446 Fort St. George 14th September 1813

and Merlons will be regular from
the interior retaining Wall of Parapet
to the exterior revestment of the work
and the surface be secured by a Course
of sod—

The Southern Redoubt
G. to be reformed upon the same
principles.—

Sultaun Redoubt Plan N. 8

The Circular work H
19.
termed the Sultaun Redoubt is now
entirely detached from the body of the
place, being surrounded by a Ditch
and Parapet on all sides, it occupies
a very Commanding position, and in
its present Condition may be Converted
into a secure lodgement in favor of
an Enemy, it will be necessary to
open a gorge to it by taking down
the

11447 Fort St. George 14th September 1813

the Parapet towards the South angle of the Fort to admit of its being commanded and plunged into from the several works in its rear as expressed upon the Plan No 8 a passage of communication must be opened to it from the first Caverliway and a new Draw Bridge Constructed.—

South Face General Plan and Sections No. 10. 20.

The exterior revetment of the Rampart and Tower Bastions upon the face in general is considerably decayed particularly at the foot of the wall where it is set upon the Native Rock as expressed in Section No. 10 a, which in many parts being of a soft nature has mouldered away and left the foundations greatly exposed as already explained in the former part of this Report, an Estimate

No 72

11448 Fort St. George 14th September 1843

No. 72 is furnished which provides for
Casing the surface of the Rock as expressed
by A. B. upon the Section No. 10 and
which will be required upon the greater
part of the whole length of this face
of the Fortress.—

2nd Line of South Face.

21 The whole of the present
Parapets upon this Line are without
Banquettes which it will be absolutely
necessary to construct upon a height
of about two feet to enable the defenders.
to fire over them which is now impracticable, and also with a view towards the
preservation of the parapet wall, the
foundations of which are now becoming
bare and the Superstructure in some
degree undermined.

South Face Covertways Plans 6.89.
and general Plan of Present State.—

22

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5,986. 20. 37. This traverse will I apprehend be considered of small moment when brought in competition with the great augmentation of Strength and Security obtained. Under the present form of the work its Ditch &c. affords the means for a lodgement for the Enemy, no enfilading fire can be brought against Escalade on the assault of its Breach, and every facility is afforded to the Miner for laying open the work unobserved and unopposed.

This important work must be considered one of the principal sources of security to the Eastern face of the Fortress. I beg leave therefore to recommend that it be further secured by the two small Lunettes or Flèches Vz Vz to be constructed in the Counterway for the enfilade

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inflade of its proposed faces, and that
a Covertway and places of Arms M.
M. M, may be formed before it
which will effectually secure it against
surprize or assault without considera
ble previous loss on the part of the
assailants, under the present Condition
and form of the Glacis the required
Command of the Ditch in front of the
proposed faces of the Redoubt is not
afforded to the Fleches as the height
of the Crest of the Glacis at the two
intervening reentering Angles. N. N,
entirely prevent the Ditch from being
seen from these two Collateral Works.
in forming the proposed place of Arms
the Crest of the Glacis will in three
spots be sunk six or seven feet and
the faces and Ditch of the Redoubt be

in

11449 Fort St. George 14th September 1813

22. On the South face of the Fortress there are three Covertways the first immediately before the Ditch of the Second line, the Second with the third Ditch, and the third close upon and before the third Ditch, these lines are all in bad Condition - and as the principal defence of Seringapatam upon the East and South front will rest upon the Second line of works, it will be advisable to reconstruct the first Covertway with proper Banquettes and at the same time giving it Terreplein more Space, traverses must also be introduced and small places of Arms for augmenting the defence of the Glacis; an Estimate N° 60 is provided for this undertaking.—

Bangalore Redoubt Plan N° 9.

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23

Various opinions having been offered with regard to the most eligible System of reform for this out work, I have particularly directed my attention to it and have no hesitation in strongly recommending that the direction of its present flat front a, a, shall be deviated from, and that a Salient Angle and two faces b, b, c, shall be formed as expressed upon the accompanying Plan No. 9. this will entail an increase of expence as will appear upon a reference to the Estimate No. 24 amounting to Star Pagodas 21,361. 0. 63. whereas the one already approved of by the Board which was forwarded in the year 1802. amounts only to 15,374. 15. 26. provided earth work be added yielding a difference of expence of Star Pagodas

5,986

11453

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in consequence opined to the fire from the Flanks.—

Two Estimates Nos. 62 and 74 for these additions consisting of two Flanks for containing 4 Guns each and the Place of Arms Vde as subjoined.—

24. A Place of Arms similar to the above is also recommended before the Mysore Redoubt and an Estimate provided for the same see Plan No. 6.—

East Face Sections No. 10.—

25 The exterior revetment of the Curtains on the East face have in several parts fallen entirely down, and the Ditch in front is now filled up with ruin, the wall of the fortress being Consequently open thro' the Breaches, the Character and Condition of these revetments situated upon the summit of the Rock have been

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been already explained in the former part of this report and are exhibited upon the accompanying Section Z No. 10 to secure them against general failure, it will be necessary to back up the face of the Rock from the bottom of the Ditch with stone Masonry as expressed by the Yellow tint 3 taking advantage of the foundation a. a. already laid by the Sultaun Tippoo for that purpose.—

26

The first Covertway upon this face which is now a general ruin must be entirely reconstructed by setting in its interior retaining wall or counterscarp of Ditch ten or twelve feet within the edge of the Rock as exhibited at C. C. upon Section Y. No. 10 the retaining wall

7

11455 Fort St. George 14th September 1813.

of the Glacis and Banquette must be so situated as to afford sufficient Capacity to the Coverture way with the necessary traverses and a small Place of Arms between the Bangalore Gate and the Sultaun Redoubt see General Plan of reform. Estimates are provided for these improvements including the removal of the Two Towers 9 & 9. Plan No 2 situated between the Bangalore Gate and the N. E. angle as they obstruct the view and perfect enfilade of the Ditch.

Ford Battery 1. Plan No. 12.

27. The Estimate. No 36. and 58. provide for the construction of the Ford Battery 1. and for the formation of a Spacious Terreplein or Place of Arms within it from whence the passage of the new Wellesley Bridge and the north

end

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end of the Glacis ascending from the River which is here tenable is pro-
=tected, the passage of this Bridge is also otherwise defended from the various flanks on the north face and has a powerful fire of artillery directed upon it.—

28 The Glacis East of this Battery descending to the Bed of the River Cavery is peculiarly defective and affords much cover to an approach-
=ing Enemy and a deep French C. C. has been spared by the late Sultaun from the Lozenge towards the Daulet Baugh which should be filled up and the Glacis in general sloped off from the Northern flank of the Bangalore Redoubt to the bed of the River where it must be termi-

nated

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terminated by a Stone Glacis the whole being effectually opened to the fire of the projecting works of the East face of the Fortress as well as those upon the North East Angle. —

North East Angle, Plan N. 12

29th This Angle of the fortress of Seringapatam must be considered a very weak point and therefore demands very particular attention the Walls of irregular [illegible] compose its Defences posses so little reciprocal support and are from necessity situated so low that they may with little difficulty be breached from the opposite side of the River and approached for assault under the Shelter of the north side of the Island which Constitutes the South Bank of the River / See General Plan / a double object is required in reforming this part of the Fortress Viz.t the improvement of the several

11458 Fort St. George 14th September 1813.

several existing works and connecting
the Ramparts of the North and East
fronts for Completing the Encient of the
Body of the place as practised in the South,
West quarter and which is a very essential re-
quisite. Plan No 11 exhibits an improved
project by Major Linnon which has already
been before the Board for the attainment
of the same object on reconstructing the north
East Curtain 12 which its condition
renders necessary, it is proposed to take the
oblique direction a. b, for the North East
face for the purpose of bringing three Guns
to bear upon the new Bridge and the
North West face and Western flank are
represented as capable of defending the
adjoining part of the Ditch, the North and
East fronts of the Body of the Place are
connected by means of the Cross Rampart

G. G.

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G. G. which is united to Cavalier 13 and the Enceint of the body of the Fortress = thus Completed. Upon this project I beg leave to offer the following remarks, Sirit the three Guns a. b, proposed upon the N. E. face of Cavalier 12 are not imperiously required for the defence of the passage of the Bridge as a very powerful fire may be directed = upon it from various other quarter under which no Enemy will presume to force it, hence it would appear not advisable to distort a work the construction of which must be attended with Considerable cost and which may be turned to more important purposes.—

30th Secondly the proposed north East face to this Cavalier possesses no cal. = lateral defence for the Lozenge N. being in advance must be carried before its

assault

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assault can be attempted and thirdly the East face b. b. of the work which is required to secure the approach under the South Bank of the River is Considerably curtailed. –

31st The System recommended for Completing the Enclosure of the body of the Fortress by connecting the main Rampart of the East front with Cavalier 13. must I apprehend have been dictated under principles of economy which it was judged necessary to pursue, for the extent of security afforded appears to fall far short of what is desirable upon a point of so much importance and upon which the preservation of the Fortress may depend, the Cavalier ~ under this arrangement being a part of the Enclosure of the body of the place

the

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the assault of its breach if successful must put an end to all further defence and entail the loss of the Garrison. The Three Guns G. G. have apparently been adopted under an erroneous Survey and cannot possibly be brought upon this spot.—

32. Plan No. 12 exhibits a —
= project for the improvement and reform of this Angle of the Fortress which I have the honor to submit for the consideration of the Board and which — although by no means so perfect as I wish, still appears considerably to augment its powers of defence and capability of — resistance.—

33. The Cavalier 12 I propose to convert into a Ravelin and to cut off its communication with the Second Rampart by means of a small Ditch V. Z.

the

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The Encient of the body of the fortress is to be perfected by continuing a Rampart from the North East Bastion X agreeably to the direction V W X which will connect with the North face at V: this proposed line is understood to follow the course of the Escarp of the old inner Ditch now filled up, which may be reopened under a moderate degree of labor as when it was originally excavated by the Sultaun the Rock was blasted and removed to form its deep bed, under this arrangement both the Cavaliers 12 & 13 will become outworks being detached from the main Rampart & body of the place, an Enemy will consequently be reduced to the necessity of forming lodgments in them upon making his assaults and carrying

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carrying the Several Breaches, which will considerably retard his progress, after - which he must proceed to the completion of the breach of the body of the place; - The collateral support afforded to and from the Several parts is expressed by the Shot lines and is as follows. -

34 The North West faces of Ravelin P and the Lozenge U as also its Saleint Angle and the Debouché from the Bridge will protected from the Guns - upon the inner line V W which also Com: = mand the interior of the Ravelin, the Ditch in front of the East face of the Ravelin covered from the great flank of the Bangalore Gate Battery R and the Ditch in front of the South East face of the Lozenge from the cremallier t in the curtain of the Second Rampart

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of the East face - The East and West
flanks of the old Cavalier 13 are in:
=filaded from the small retired Battery
S and the line X W of the inner Ram:
=part which also defends the passage
of the river, and its North face is pro:
=tected from the low flank of the =
Fauxse braie Battery 02 and also from
the upper flank of the work Z/ see
general plan/ on the Main Rampart
as well as from the flank of the Delhi
Bastion, the bed of the river both above
and below the Bridge in which parts
it is fordable is well protected from
both faces of the Ravelin and Lozenge
U and about twenty guns bear upon
the Bridge from various parts including
the flank of the Delhi Bastion the

expence

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expence of this project will scarcely exceed Major Lennon's Estimate in the sum of 18,476 25. 25. and it is submitted to the board to determine how far the additional Security obtained will justify the increased disbursement.—

North Face Batteries 02 02

General Plan of Reform

35. The necessity for the Fausse Braie Batteries 02. 02. and the Reform of the two Towers in the Main Rampart above will be evident with a view towards deriving from the old work as much of plank as possible for the protection of this front.—

Delhi Bastion N. Plan No 13.

36. As the North face of the Fortress

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Fortress may be generally considered strong by Nature, it will be sufficient in reform-ing this work to lay down the N. W. face upon the same length as the North East, there is a substantial foundation already laid by the Sultaun Tippoo, — and which agreeably to the Plan laid down by the Committee in 1807 is to — see the Site of the proposed North West face of the Bastion, the direction is how-ever very unfavorable as it is so nearly parallel to the North face of the Fortress in general that scarce a single gun can be brought to unfilade it, it will therefore be adviseable to set the face somewhat in, as it falls from the Salient Angle to the Angle of the Shoulder preserving the Salient Angle of the proposed Bastion

upon

Fort St. George 14th. September 1813.

upon Tippoos new foundation and
making the line of defence or face of the
Bastion fall exactly to the re-entering Angle
of the Flank of the Second Tower X west
of the Bastion, under this arrangement
five or six Guns may be brought from
different Quarters, on the North line to
infilade the Ditch before this face.—

37. As the Northern branch of
the Cauvery is I find upon inspection for:
=dable in many parts, it is of importance
that all projected works shall if possible
be so arranged as to bear upon it, under
this conviction I have deemed it advisable
to give the Western flank a concave form
which will not only widen and extend
its range, but also in some degree tend to
counteract the effects of infilade upon it,
I have also reformed the direction of the

Parapet

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Parapet pg of the Faussebraie by removing it down towards the Angle of the Flank at V by which means a considerable Musketry defence will be obtained to the North East face of the Bastion.—

38. As the whole of the Faussebraie is occupied by the proposed work and the general communication con- sequently cut off, it will become necessary to open a Sally Port from the body of place thro' the Rampart.—

39. A considerable repair will be required to the Curtain East and West of the Delhi Bastion, the parapets in many parts are in a ruinous condition and some large breaches have occurred in the exterior Revetment of the main Rampart which must be built up, the first Tower West of the Bastion

must

11469. Fort St. George 14th. September 1813

must also be removed, and the re-
=vetement completed.—

Sultaun Battery Plan No. 15
and General Plan.

10 This work is at present highly defective in form, having a long flat face which is unsupported by any Collateral defence, but its situation under the protection of the River has been consi-
=dered so secure and the expence of rendering it perfect, will be so great that it has not been deemed necessary to recommend its general reform upon established principles which would dictate the demolition of its present North face and throwing out a Saliant angle towards the River, taking ad-
=vantage at the same time of the adjoining Curtains East and West from

whence

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whence to drive an enfiladeing fire by
the introduction of Collateral works upon
them; the more confined plan upon
the principle of taking advantage of the
present form of the work / and which
has been approved of by the Committee
of the Military Board / may be completed
under a moderate disbursement and the
Estimate submitted by Lieutenant
Colonel Lennox appears sufficient for
the accomplishment of the undertaking.

41 A principal obstacle to
the reform of this work by throwing
out its face to a Salient Angle and
introducing collateral defences from the
adjoining curtains arises from the
new direction or form which it will
become necessary to give to the Stone
Glacis in consequence, and which it

is

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is apprehended may be attended with
Considerable expence and difficulty, at
the same time should it be found upon
experiment that the completion of this
branch of the defences in other parts of
the Fortress is practicable under a more
= rate extent of Labor, I am disposed to
recommend that the repair and reform
of the Sultaun Battery shall be recon-
= sidered. -

Mysoor Battery P Plan No. 8.

42 The work is by no means
in a perfectly Secure condition, the =
exterior Revetment having bulged from
top to bottom on the West flank and
being considerably rent on both the =
Salient Angles, if the whole is well
pointed and repaired and the founda-
= tions secured, it may however proba =
= bly

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possibly convey the new parapets which
are required upon the whole of its flanks
and Southern face, the Estimate accom-
=panying being regulated upon this
system of repair.—

Laboratory Battery & and Curtain Flanks
r.r. and S.S. adjacent, Plan No. 8. and Plan No. 14.—

43. The Laboratory Battery as
will be seen upon the Plan of present
state is a large projection on the South
face situated in the high quarter of the
Fort and is I find upon inspection
a general ruin, its exterior Revetment
having fallen to the ground, the
project therefore for rebuilding it upon
improved principles as recommended
in 1807 is highly advisable, altho' it
will not I find possess the whole of
the advantages anticipated in the report.

Ch

11473

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of the Committee of the Military Board =
para 52 as its West flank will not =
command the Mysore Redoubt which =
cannot be seen from it on account of =
the intervening second line of works, it
may however be of vast use in command
= ing the Rampart of the 2d line and =
scowring the first Glacis or space to the =
Westward between the first and Second
line as well as the Ditch from its western
flank to the Mysore Battery P. the East
flank will possess some command of
the Sultaun Redoubt and otherwise pro:
= tect the South East Angle of the Second
line of works. The eastern flank x. x.
East of the Laboratory Bastion and in
some degree connected with it requires
only a new parapet and embrazures to
be opened thro it which will afford =
considerable

11474

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considerable protection to the South East Angle of the body of the Fortress, at present the Rampart is scarce 18 feet in broad in this part nearly the whole of it will therefore be occupied by the proposed Parapet alone and an entire new Parapet t, t, t, must be formed in the rear with Banquettes, Ramps, interior revetment &c. &c. and be connected with the Adjacent Bastion.—

Bastion Cavalier I. S. E. Angle of 2d Line

Plan No. 8.

44. The South East Angle of the Second Line of the Fortress is now a compleat ruin and must generally be rebuilt from the foundations, it is therefore proposed to introduce the Bastion Cavalier I which being situated upon a very high Commanding Spot its two flanks will

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will fire over the adjoining curtain ~
this retired position has been assumed on
account of the great difficulty and expence
which must attend the Advance of its faces
into the Ditch which must be further exc:
= cavated in front thro' a body of Solid ~
Rock and as must be considered simply
a Cavalier, a Bastion may at any future
time be constructed round it or a large
flanked Counterguard before its faces. —
South East Angle Cavalier ✓ of inner line
Plan No 8. —

15. The reform and improvement
of this small work as suggested by the
Committee of the Military Board is highly
adviseable as the elevated Spot on which
it is situated is so commanding that a
considerable extent of general defence ~
will be derived from it and a plunging
fire

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Sir

Into many of the works upon the East and South Sides be provided — which must greatly disturb an Enemy in taking possession of them.—

Cavaliers

46. The Ramparts of the Fortress being in many parts greatly encumbered by useless Cavaliers which considerably — interfere with the required planning of defence, it is recommended to take down such as have the Nos 5. 6. 7. 8. 9. 10. 11. 12. 14. 15. 16. and the old Cavalier E, 2 also such of the small Towers as are expressed only by dotted lines with a view towards opening the Command and Range of — fire from the larger and more powerful Flanks.—

Stone Glacis.

47 An Estimate for this work including

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including the counterscarp of the Dutch and Covertway / with which it cannot be formed / has been submitted by ~ General Rose so far back as the year ~ 1800 amounting to the Sum of Star Pa: = godas 1.14.765 - and I am much disposed to be of opinion that the undertaking will not be completed in a secure ~ well finished and durable style for a less sum unless considerable assistance is afforded to the executive Officers in a large body of Prisoners who are a ~ description of people better calculated for this superior Class of work than ~ any that can be hired under the ~ denomination of Coolies not only with regard to the Men but also to the Native Officers as Havildars and ~ Naigues who superintend their Labors

and

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and who are in general very active
and intelligent Individuals, great
Assistance may also be derived from
the European Officers attached to this
Corps who being Military Men
possess a degree of knowledge with
regard to the construction and required
purposes of works of defence which must
enable them readily to comprehend the
various instructions which must be
conveyed to them by the Superintending
Officer and greatly relieve him in the
executive branch of his undertakings
just conclusions upon the Labor and
Cost which will attend the completion
of this branch of the general reform
can only be derived from experiment
keeping in view the desireable object
of deepening the bed of the River by
either

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either cutting or blasting the Rock as
may be found most practicable for the
formation of a Cunette down the Center
of its present bed and from whence
the formation of the adjacent Glacis,
a principal obstacle to the undertaking
will be experienced in the Stream of
Water which more or less flows at all
Seasons down the course of the River
and which will in all probability
greatly impede the Labourers in Sinking
below the general level, but it remains
to be determined how far this difficulty
is to be overcome either by diverting and
preserving the course of the River to a
single branch North or South by blast-
-ing below the Water level, or adopting
any other means or resources which
during

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during the progress of the work practice
or experience may suggest and on which
course of experiment I am disposed to be
of opinion are better calculated to make
a fair trial of the practicability of this
difficult undertaking than any other
Class of Labourers, that have hitherto
fallen within my experience or know-
ledge.

As the River is exceeding
narrow before the great recentering
curve of the South West face and suf-
ficient space not afforded for the
equable flow of the great body of Water
that is brought down upon the occur-
rence of the freshes, the Stone Glacis
in this part is greatly labaured by the
current and requires to be particularly
well

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will Constructed, it will also be desireable in
all cases when soil is required to Cut away
the projecting mound of the opposite Bank
of the river with a view towards providing
a more spacious passage for the flow of the
Waters and keeping the bearing of their course
to a direction more Westerly.

Glacis and Esplanade.-

The Glacis and Esplanade on the
East and South faces are in a very defective
state affording both cover and Command which
must greatly facilitate the approach of any
Enemy to the Fortress who may now lodge
himself in many parts at the foot of the Glacis
effectually undiscovered from the Ramparts and
within a few yards of the outer Ditch, on the
South face and South West angle beyond the
Periapalam Bridge. Trees, Huts and Planta-
tions have risen into so [illegible] sufficient to
afford

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afford shelter to a very large body of
Troops within two and three hundred
yards of the Walls and on the East face
the Pettahs and Dowlet Baugh. encroach
considerably within breaching distance,
European Gentlemen have also in many
instances erected regularly built private
Houses upon the Esplanade and beyond
the River upon Land formerly the pro-
perty of His Highness the Rajah a con-
siderable building belonging to the
Paymaster stands upon the Spot where
the Batteries of the British besieging
Army were erected. Environs the
Environs is a generally prevailing defect
with almost all Country Fortress while
in the hands of Native Powers I must
however remark with respect to Seringa
patam notwithstanding that it has
been

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been in our hands now for so many years)
that it is in a far more defective condition
at the present moment in these parts:
= culars than it was when under the
controul of the Sultaun Tippoo and when
it was besieged by the British Army in
1799, it is probable that some difficulty
may arise in removing these manifold
obstacles against security and defence.
I must however beg leave to submit an
opinion that unless a tolerably clear =
Esplanade can be obtained on all sides
of this Fortress to an extent of from =
1,000 to 1,800 yards, the large sum of money
proposed to be disbursed upon the re:
= form and repair of its Works will
in a great measure prove a useless ex:
= penditure

11484

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expenditure.

For the completion of the

Glacis and adjacent parts of the Esplanade

made a very considerable extent of labor

will be required consisting of levelling

and removing Soil which is a discription

of work well calculated for Individuals

Condemned to hard Labor, and I beg leave

to suggest that these Criminals to the

amount of from one to two thousand

shall be drawn from the different Districts

and be concentrated on the Island of

Seringapatam under charge of the Magis-

trate, their labors to be applied under

the direction of the Superintending Engineer

upon the works of the Fortress. Should

this suggestion be adopted it will be

necessary.

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necessary to provide some description of accommodation for so large a body of people and as their labor will be required perhaps for a period of two or three years only, this may be of a temporary description consisting of Mud Buildings with high surrounding Walls, a great part of which may be created by themselves the present Zillah Prison is I believe Capable of containing upwards of 200 people in addition to which there is another Jail Building situated upon the Esplanade which was formerly built for a Native Hospital the length of which is upwards of 500 feet and which will receive about 350 people this place may be extended and enlarged and

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and the whole be enclosed by a high Mud Wall having Turrets on its Angles on the outside for the reception of Guards capable of over-looking the Area within, the expence which will attend the provision of this accommodation will I apprehend be amply repaid by the Labor of the Criminals.—

A great nuisance at present obtains in the Fortress of Seringapatam in the public places of ease which have been adopted in several parts of the Ramparts, the Ditch below being the general receptacle and it is now not without great personal inconvenience that these parts of the work can be approached on account of impure exhalations

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eschallations which must have a Tendancy
no more beneficial to the Inhabitants of
the place in general, a reform of this &
unclear and injurious practice should
if possible be brought about by forcing
the people of the lower order to the
River which is near at hand thro' Sally
Ports which may be opened in the
Rampart and over slight wooden
Bridges across the Ditches.

In conformity with the
instructions received from the Military
Board para 18th I have extracted from the
general list of Estimates the Statement No 3
containing those works which I am of opinion
should be first undertaken and upon
which the immediate Security of the
Fortress most particularly rest as many
of these Structures are to be connected

with

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with adjacent works very irregular
in their form and character it is ne-
-cessary that particular attention shall
be given to their Foundations which
must in the first instance be raised
only to the level of the Several parts
of the adjoining old works that it is
intended to take advantage of bring-
-ing the whole to a flush surface when
it will be advisable to suspend for a
certain time the prosecution of this part
of the work and to apply the Labourers
and materials upon some adjacent
undertaking or work of collateral
defence; unless this system is followed
there is much reason to apprehend
that a permanent adhesion will not
be secured and that the new work
may part from the old.

With

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With reference to the detailed Estimates which accompany the Report for the general repair and reform of this Fortress, I must beg leave to remark that their amount is by no means to be considered as decidedly conclusive, various causes prevail and may arise in opposition to the practicability of precision in this particular and Notwithstanding that they may have been drawn up with much care and under minute measurements, still the ruined, intricate and defective state of the present works, which in many instances are to be taken advantage of, is such that I apprehend during the progress of the repair and reform, it will be necessary to make frequent references to the Board and perhaps many trifling alterations and deviations from the the original Estimates, the great mass of old materials

11498

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materials / principally consisting of Stone /
which there is reason to expect will be
obtained from such of the old Works as
it will become necessary to take down
it may be hoped will materially operate
towards the decrease of the amount of
these Statements and a careful and
judicious application of the Foundations
of the several proposed Works to the
Native Rock which may be presented
upon opening the old Revetments may
contribute to a considerable extent
towards lowering the present estimation
of the probable cost of the general under-
-taking. —

/ Signed / J. H. Caldwell
Lieutenant Colo. of Engrs Va
Special Surveyr of Defences
Va Va

/ A true Copy /
/ Signed / Wm Ormsby
S. M. B.

Statement

No 1.

Statement Exhibiting an Extract of such unobjectionable works as were formerly estimated for by the Chief Engineer (Earth work not included) also the additional improvements suggested by the Committee of the Military Board in 1807 none of which were included in Major Lennons Estimates —

Flanking Battery D 2 of 9 Guns S. W. Angle	509	23	10
Two Casemated Batteries D 2 D 2 5 Guns each and two flanks W S W face	1,029	5	58
Curtain wall between Bastion C 3 and small Tower of W face	3,473	32	16
Do Do from Tower to Bastion B N 2 W face	293	32	20
Bastion N 2 B	20,908	33	32
Curtain wall from Bastion B towards Bastion A of W Angle	5,359	32	69
Main Gate Battery within Redoubt F	23,858	22	31
Bangalore Redoubt K	14,374	15	26

Fort St. George 11th September 1811

Interior Revetment of 2d Rampart of South and East faces		11,123	40 76
Battery W N W for the defence of the North and South faces of Bangalore Redoubt	677	2	~
Two Casemate Batteries North and South of Bangalore Gate Battery	1,330	15	22 ~
Planks in the Fausse braie &c	900	23	56
Repairs Bridges Sally Port Gates and Guard Rooms	4,040	~	~
Interior revetment of Rampart or Counterscarp of Ditch before Cavalier N. W. Angle	6,087	43	10
Fausse braie wall near Bastion 13	7636	~	~
5 Breaches in Fausse braie wall of S W face			
Completion of the Crescent of the Body of the Place at S W angle by Connecting S and S W faces and cutting off 2 Guns from the 10 Gun Battery	4,379	33	30
Carried Over	116,037	10	78

Estimate &c. 4th September 1813

Abstract Statement No. 2

of the whole of the Works now brought forward for Construction reform or repair at the Fortress of Seringapatam —

No. of Estimate				
1	For Constructing the N. W. Angle Bastion A including Low Flank Plan No 2	18097	34	17
2	For Constructing two upper and lower Flanking Batteries to defend the North face of Bastion A and the ruins of the Delhi Bridge Plan No 2	5992	4	8
3	For rebuilding part of the Curtain X. X. between Bastion A. and the Delhi Gate Plan No 2	393.0	-	24
4	Expence of Constructing the Cavalier D at North West Angle Plan No 2	19217	4	20
5	For repairing Cavalier No 2 on the South West face Plan No 4	1044	44	34
6	For reforming Bastion C South West face Plan No 4	10297	4	47
7	Expence of repairing Cavalier 3. Plan No 6	275.	8	59
8	For restoring the 5 Gun Battery agreeably to Section No 7 & Plan No 6	1873	26	62

Fort St. George 11th May 1805

9 For Do the 8 Gun Battery at the South West Angle Plan No 6 and Section No 7 ..... 1999 3 39

10 Expence of repairing the S. W. Battery E. Plan No 6 ..... 4799 11 72

11 For repairing and improving the Mysore redoubt by completing its West Flank and rear and rebuilding part of it South East and South West Angle Plan No 6 ..... 10160 38 53

12 For improving the Southern redoubt C by completing the Ditches and exterior revetment of its East and West flanks Plan No 8 ..... 3369 43 54

13 Expence of Constructing the new Cavalier Bastion I at the S. E. angle (taken from Major Lennon's Estimate) Plan No 8 ..... 19999 34 62

14 For repairing the Sultaun Redoubt Plan No 8 ..... 2532 21 35

15 For completing the Bangalore Gate Battery and for building a Sally Port and Bridge of Communication on the North flank Plan No 9 ..... 18102 4 22

Carried Over Pagodas 121575 19 6

Abstract No 4 Estimate for 1813

Brought Over Pagodas	116037	40	78
Coverteway prepaired of 2d. Line E. face between Bangalore Gate Battery & N.E. Angle	1045	—	—
Repair of Breaches and foundation of exterior revetment of Curtain of inner line North of the Bangalore Gate	5460	—	—
Removal of two Towers North of Bangalore Gate Battery on 2d. Rampart of East Face	2855	34	70
Fond Battery L	740	13	28
Laboratory Bastion increase beyond Major Lawson as recommended by Committee	8589	43	24
Curtain Batteries East and West of Mysore Gate Battery	1970	10	10
Flank 03 of inner line East of Laboratory Battery	2605	4	22
Do 03 of second line Do Do	390	13	70
Batteries 02 02 in Fausse braie of N. face between N. E. angle and the Delhi Bastion	973	—	—
Repair of Casemates Parapets and removal of Tower East of Delhi			

Bastion Repair of Breach of Delhi Bastion and removal of Tower	4,097	14	60
Reform of two flanks of Towers Z Z between Delhi Bastion & S. E. angle	3,495	-	15
Mysore Battery Repaired and Completed	1620	19	57
Small Cavalier S. E. angle of inner line its flanks extended and Completed	7,469	12	28
Curtain Flanks 03 03 East of Laboratory Battery.	2995	-	-
Expence Magazine in old Gateway of Mysore Gate Battery	250	-	-
Completing and forming with Earth and Sod the Rampart of the North and S. W. face of the Fortress	3,347	21	24
Cutting down large Square Flag Staff Cavalier	1,364	5	53
Star Pagodas	170,312	12	59

/ Signed / J. L. Caldwell
Lieutenant Colonel of Engrs and
Special Surveyor of defences &c.

Abstract

/ A true Copy /
/ Signed / W. Ormsby
L. M. B.

Ramparts Fortress Bastion Delhi Mysore Battery Cavalier Laboratory Gateway Flag Staff

Sept. 4th 1813

		Brought Over Pagodas	1,21,575	19	6
16	For reforming the North East angle Plan No. 12		47,922	36	56
17	For rebuilding and reforming the Delhi Bastion M Plan No. 13		15,727	24	32
18	Expence of repairing the Sultaun's Battery		2,954	17	28
19	Expence of opening a new Sally Port and erecting 2 Bridges of communication also counterscarp and coverway leading to the S. W. Battery from near the Mysore Gate Plan No. 6		4,363	20	17
20	For completing the Enceinte of the Body of the Place at the S. W. angle by connecting the inner Rampart of the South face with the Rampart of the S. W. face Plan No. 6		14,269	35	55
21	Expence of constructing the new Bastion B S. W. face Plan No. 2		18,469	18	55
22	For rebuilding part of the curtain Wall between Bastion A and B Plan No. 2		4,475	42	2
23	For rebuilding and reforming the Mysore Gate Battery Plan No. 6		19,715	33	12
24	For rebuilding and reforming the Bangalore Redoubt Plan No. 9		21,361	63	
25	Flanking Battery D 2 of 9 Guns S. W. angle General Plan		546	9	3

Copy of Lt. Colonel Gent's Letter of 13th August 1791

26 For forming two Cremaliers Batteries D2 D2 of 5 Guns each and the flanks V V } 1329 17 5

See M. for General Plan

27 For repairing and rebuilding part of the Main Rampart between } 3766 18 50

Bastion C and the small Tower towards Bastion B Plan No. 4 -

28 For completing Parapet for Curtain wall from small Tower upto Bastion B. — 332 26 20

29 For completing the interior revetment of the 2d Rampart of the South and } 14,480 43 25

East faces adopted from the Chief Engineer Earth work being added - - -

30 For rebuilding and reforming the Laboratory Bastion 2 Plans No. 8 and 14 — 1902 2 5

31 For forming an exterior Revetment to the Rampart at the North West } 6087 43 10

angle where Ditch of Cavalier No. 1 ceases Plan No. 2 - - - - -

32 For repairing the Rampart of the Fausse braie of South West face between } 7840 4275

Bastion C 3 and South west angle General Plan - - - - - -

Carried over Pagodas — 3,24,141 2 19

Estimate No. 4 September 1813

Brought over Pagodas 3,24,141 2 19.

33	For forming a new counterscarp to the Ditch of the Second line of works of East face South of Bangalore Gate on a Medium height of 17 feet		6737	36
34	For rebuilding the breaches repairing the Rampart and removing three Towers of the inner line of East face		5,458	9 73
35	For building a new counterscarp to the Ditch of the Second line of East face North of Bangalore Gate on a medium height of 17 feet Section No. 10		4,625	4 40
36	For forming the Ford Battery I. at the North East angle to contain 9 Guns Plan No. 12		739	18 26
37	For reforming the two Batteries L. L. in the body of the place between the Delhi Bastion & the North East Angle General Plan		3577	10 24
38	For forming a Crenalier Battery of 3 Guns in the Main Rampart west of Delhi Bastion and repairing the 2d Tower west &c to hold one Gun for defending the North west face of proposed new Delhi Bastion		358	11 22
39	For removing the Two Towers East and West of Delhi Bastion and rebuilding the Adjoining Breach		3997	15

Fort St. George 10th August 1813

40 For repairing the Battery P near the Mysore Gate by rebuilding its Parapets and forming a Ramp up to it from the body of the place Plan N:8 — 1,628 27 40

41 For forming a Sally Port through the Rampart in rear of Bastion C. Plan N° 3 — 601 26 35

42 For repairing the Lozenge Work at the North East angle of the Fort Plan N° 12 — 967 30 58

43 For removing three Towers and rebuilding a Breach in the Second Rampart of E. face 3,029 5 —

44 For forming two Curtain Batteries East and West of Mysore Gate Bastion and removing the two adjoining Towers Plan N° 8 — 1,968 40 20

45 For forming the flank r r of inner line East of Laboratory Bastion by adding a Parapet and widening and connecting its rampart with that of the Laboratory Bastion Plan N° 8 — 2,605 11 62

Carried Over Pagodas — 3,60,435 39 52

Fort St. George 14th September 1813

	Brought Over Pagodas	360	435 39 52
46	For forming the flank S.S. of 2d line by adding a Parapet and widening its Rampart also removing the small Cavalier in rear of it Plan No 8	390	15 75
47	For Cutting down the large Square Flagg Staff Cavalier to the 2d Breast and Constructing new Parapet, General Plan	1364	5 53
48	For reforming the South East Angle Cavalier V of the inner line by adding two flanks and completing the Rampart round it to that of the flank V. v. Plan No 8	740	4 37
49	For repairing the two Curtain Batteries North and South of Bangalore Gate Battery Plan No 9	1406	4 72
50	For repairing the inner Rampart of South face	1759	3 54
51	For repairing the Second Rampart of South face	660	4 32
52	For repairing the South West face between Bastion C3 and L. W. Angle	1276	4 70

Fort St. George 11th September 1811

53 For repairing the Fausse braie Rampart of the North face by rebuilding the Breaches in its exterior and interior revetments and underpinning and pointing the Exterior revetment in various places — — — — — — 2,031 30 60

54 For rebuilding two breaches in the Main Rampart of North face and underpinning and pointing its exterior revetment and recurring its foundation in various places — — — — — — — — — 1,634 16 40

55. For forming the two Batteries O2 on the Fausse braie of North face and completing the unfinished revetment of part of the Fausse braie near the East Battery O2 General Plan — — — — 973. 36. 0.

56. For forming a new inner coverteway on the East face North of Banglore Gate General Plan — — — — — — — — — — 1,188 29 6.

57 For forming a new 2d. coverteway to the East face N. of Do General Plan — — — — 969 12 73.

Carried Over Pagodas 3,81,608.19.70

Comptr. Genl's Office 11th September 1813

Brought Over Pagodas	3,81,608 19 70
58 For forming the North end of the 1st Glacis of East face behind the Fort Battery into a place of Arms by lowering its Terreplein and rebuilding the Parapet of its East face Plan No. 17	621 33 32
59 For forming a new inner coverterway on the East face South of Bangalore Gate General Plan	2809 5 47
60 For forming a new inner coverterway to the S face & removing & levelling the 2d Coverterway	6141 19 40
61 For forming a place of Arms and coverterway before the Mysore redoubt rebuilding the outer coverterway on the South West of do and removing and levelling the Second coverterway of do Plan No. 6	4,061 31 65
62 For forming a place of Arms and coverterway before the Bangalore redoubt also two coverterways before the North and South flanks of the Bangalore Gate Battery and do Barrier Gate the Curtin of the East face Plan No. 9	4,712 44 73

Fort St. George Mint Establishment 1813

63. For forming a Banquet to the Second Rampart East face ——— 1053 — —

64 For forming Do ——— Do South face ——— 1755 — —

65 For forming a Banquet to the South West face between Bastion C and South West Angle ——— 1638 11 20

66 For forming a Banquet to the North face ——— 2405 11 20

67 For building up the Escarp of Ditch of the second line of works on the East face North of Bangalore Gate Section No. 10 ——— 5843 11 20

68 For building Do Do Do South of Bangalore Gate Section No. 10 ——— 9454 26 20

69 For building a counterscarp to the Ditch round the Bangalore redoubt Plan No 9 ——— 5916 42 10

70 For connecting the Ditch of the North face with the 3d Ditch on the East face by building a counterscarp from the Salient angle of the Longe work to the North termination of the Ditch on the East face also building a Escarp to that Ditch round the North Angle of the 1st Glacis on the East face before the Ford Battery to Plan No 12 ——— 6302 8 34

Carried over Pagodas ——— 4,31,517,25.23

Plan No. 4 Exhibiting the Operations of 1813

1850

Brought Over Pagodas 3,81,608 19 70

58 For forming the North end of the 1st Glacis of East face behind the Fort Battery into a place of Arms by lowering its Terreplein and rebuilding the Parapet of its East face Plan No. 17 — 621 33 32

59 For forming a new inner Covertway on the East face South of Bangalore Gate & removing & levelling the 2d Covertway — 2,809 5 17

60 For forming a new inner Covertway to the S face & removing & levelling the 2d Covertway — 6141 19 40

61 For forming a place of Arms and coverway before the Mysore redoubt rebuilding the outer coverway on the South West of do and removing and levelling the Second coverway of do Plan No. 6 — 4,061 3 65

62 For forming a place of Arms and coverway before the Bangalore redoubt also two coverways before the North and South flanks of the Bangalore gate Battery and a Barrier gate the Centre of the East face Plan No 9 — 4,712 12 75

Fort St. George 11th September 1813

63. For forming a Banquet to the Second Rampart of East face ---------- 1053 " "

64 For forming Dº ---------- Dº of South face ---------- 1755 " "

65 For forming a Banquet to the South West face between Bastion C and South West Angle ---------- } 1631 1/ 20

66 For forming a Banquet to the North face ---------- 2403 1/ 20

67 For building up the Escarp of Ditch of the second line of works on the East face North of Bangalore Gate Section Nº 10 ---------- } 5843 3/4 20

68 For building Dº Dº Dº South of Bangalore Gate Section Nº 10 ---------- 9454 26 20

69. For building a counterscarp to the Ditch round the Bangalore redoubt Plan Nº 9 ---------- 5916 42 10

70 For connecting the Ditch of the North face with the 3d Ditch on the East face by building a counterscarp from the Salient angle of the Longe work to the North termination of the Ditch on the East face also building a Escarp to that Ditch round the North Angle of the 1st Glacis on the East face before the Ford Battery Iº Plan Nº 12 ---------- } 6502 8 3/4

Carried over Pagodas ---------- 43451725.23.

Fort St. George the 1st September 1813

	Brought over Pagodas		434517	25 23
71	For repairing the breaches in the counterscarp of the Ditch of the Lt Rampart of South face East of Mysore Gate and rebuilding 300 feet of the counterscarp of Dt West of Mysore Gate		1987	25
72	For building a Stone Berm to the Escarp of the ditch of the Second Rampart of South face East of Mysore Gate & repairing & rebuilding part of dt West of Mysore Gate Sects No. 10		3125	21 64
73	For constructing a low flank before the West flank of Bastion C & rebuilding 240 feet of the Fausse braie East and West of Bastion C Plan No 4		4505	19 67
74	For forming two redans in the Lt Covertway of the East face North and South of the Bangalore redoubt for defending the faces of that work & repairing & levelling the Covertway between the South redan & the Bangalore redoubt - Plan No. 9		952	28 27
75	For forming the Battery O in the Fausse braie of North Rampart between the Bastion & Sultaun Battery & removing the Tower in the Main Rampart Dt Plan		1025	32
76	For forming a Sally Port & Bridge of communication through the second line of works in rear of the Southern redoubt G removing the Tower in dt & building a ramp from the		2074	2 40

Lt Colonel George Fitz Clarence 1813

Bridge of Communication upon the redoubt G. Plan N.° 8

77 For forming a New Sortie through the outer Glacis before the Bangalore Gate and Constructing a Teakwood Railing to the passage through the East face Plan N.° 9 — 1432 12 40

78 For forming a new Sortie to the outer Glacis before the Mysore Gate & Constructing a Teakwood railing to part of the passage through the South face, Plan N.° 6 — 1932 18 40

79 For forming an exterior revetment & Banquette to the inner Rampart of East face . 12,672 10 47

80 For reforming the Fausse braye East and West of Delhi Bastion so as to defend the faces and planks of that work, Plan N.° 13 — 2,423 34 52

81 Estimate for forming the Rampart of the North face 36 feet wide with an exterior slope of Earth the base of which is to its height as to 4 to 3 — 3,570 15 24

Carried over Pagodas 4,69,838 32 56

Fort St. George 11th September 1843

	Brought over Pagodas	469838 32 56	
82	Estimate for forming the Rampart of the S.W. face 36 feet wide with an interior Slope of Earth the base of which is to its height as 4 is to 3	5177 9 -	
83	Three Batterdause in Ditch including Drains	5,100 - -	
84	Sally Ports four - - - - - - - - - - - - each 450 Pagodas	1,800 - -	
85	Espence Magazines 5 of first Class	315 - -	
86	Do. Do. Do. of Second Class	360 - -	
	Total Star Pagodas	482590 41 56	

/ A true Copy /
/ Signed / Wm Ormsby
S. M. O.

/ Signed / D. L. Caldwell Lieut. Coll.
of Engineers and Surveyor of Defences &c.

Fort St. George 11th September 1813

No. 3

Statement of Works recommended to be first undertaken towards the general reform and repair of the Fortress of Seringapatam.—

No. of Estimate	Stone Places			
1	North West angle Bastion A including low flank Plan No. 2		18097	34 17
2	Upper and lower flanking Batteries to defend the North face of Bastion A. Plan No. 2		5,992	4 8
3.	Rebuilding part of the curtain between Bastion A and the Delhi Gate Plan No. 2		3,930	~ 24
4	Cavalier D at North West angle Plan No. 2		19,217	430
7	Cavalier No. 3 adjoining to and North of 5 Gun Battery S. W. angle Plan No. 2.		275	8 57

Carried Over Pagodas-

Dated 4th September 1813

Brought over Pagodas—

8	5 Gun Battery South West angle agreeably to Section N°. 7 & Plan N°. 6			1873	26 62
9	8 Gun Battery South West angle Plan N°. 6 and Section N°. 7			1999	3 59
10	Mysore redoubt Plan N°. 8			10150	38 63
12	Southern Redoubt Lt. Plan N°. 8			3363	43 54
14	Sultain redoubt Plan N°. 8			2532	21 35
24	Bangalore redoubt Plan N°. 9			21361	.. 63
34	5 Estimates for rebuilding the Breaches repairing the Rampart and removing 3 Towers of the inner line of the East face			5458	9 73
61	For forming a place of Arms and Coverteway before the Mysore Redoubt rebuilding the outer Coverteway on the South face West of Dº and removing and levelling the second Coverteway of Dº Plan N°. 6			4061	31 65
62	For forming a place of Arms &c. &c. before the Bangalore Redoubt Plan N°. 9			4712	44 75
67	For building up the Escarp of Ditch of the 2d line of works on the East face North of Bangalore Gate Section N°. 10			5243	41 20
69	For building a counterscarp to the Ditch round the Bangalore Redoubt Plan N°. 9			5916	42 10
78	For building a stone Berm to the Escarp of the Ditch of the 2d Rampart of South face East of Mysore Gate &c. &c. Section N°. 10			3125	21 64

Fort St. George 14th September 1793

74 For forming two Redans in the 2d Coverteway of East face Vz Vz. Plan No 9 ------ 952 26 27

76 For forming a Sally Port and Bridge of communication Vz Vz. in rear of Southern Redoubt G. Vz Vz. Vz. Plan No 8 ------ 2074 2 40

77 For forming a new Sortie thro the outer Glacis before the Bangalore Gate Vz Plan No 9 ------ 1,432. 12 40

78 Do Do before the Mysore Gate Plan No 6 ------ 1932 13 40

84 Sally Ports 4 each 450 Pagodas ------ 1,800 . .

Total Star Pagodas ___ 126103 3346

Fort St George 11th September 1813

/ Signed / J. L. Caldwell Lieut Col.
of Engineer and Special Surveyor
of Defences Vz. Vz. —

/ A true Copy /
/ Signed / W. Ormsby
Lt. M. B.

Probable Estimate No. 1 of Constructing the N. W. Angle Bastion A. including Low Flank Plan No. 2

414	8	16	57992	Excavating the Foundation of Bastion with Low Flank and South East side including half the South Flank at 15 Cash per feet	22036	
				136 Stone Cutters to prepare the Surface of the R. M. at 3 ft. 60 Ch. each	11 15	
80	4	4. 6	1440	Foundation to South Flank Stone Facing		
215.	4	4. 6	3870	Do. ---- West face ---- Do.		
280	4	4. 6	5040	Do. ---- North face and East flank Do.		
110	4	4 6	1980	Do ---- Low flank and shoulder		
80	26	3 6	7200	Superstructure of South flank		
215.	26	3 6	19350	Do ---- West face		
230	26	23	13225	Do ---- North face		
50	26	2.3	2875	Do ---- East Flank		

Contd. from Sheet No. 14 of Estimate for 1843

11511

145	1	6	12	1810	Faussebraie wall East of Low Flank	
116	7		16	3520	Superstructure of Low flank and Shoulder	
3	6	1	1	24½	Sills to 7 Embrasures each	
	Total			61134½	Stone in Shumam - - - - - - at 4.40 per Cubic feet	6113 20 20
80	9	4	6	2240	Foundation to South flank Backing of Brick	
215	9	4	6	8707½	Do - - - West Face - - - Do	
10	3	6	4	6	6502½	Foundation to 17 Counterforts each
280	7	1	6	8820	Do - - - to North Face and East Flank	
6	4	4	6	1728	Do - - to 16 Counterforts to Do each	
110	4	6	46	7227½	Do - - to Low flank and shoulder	
5.6	4	4	6	594	Foundation to 6 Counterforts to Do each	
80	5	36		14400	Superstructure of South Flank	
215	5	36		38700	Do - - - - - of west Face	
218.6	5	35		35,217½	Do - - - - - - of 17 Counterforts to South flank & west face	
230	3	65	3	28,515	Do - - - to North face	
250	3	6	23	4025	Do - - - of East flank backing of brick	
6	4	22		8448	Do - - - of 16 Counterforts to North face and East Flank	
110	2	6	16	4,400	Do - - - of Low Flank and Shoulder - - - -	

Carried Over Pages 6,345 20 20

Fort St. George 4th September 1813

Brought over Pagoda .. 6345 26 . 20

11513

Fort Johnston 1815

5.	3	8	15.	1575	Superstructure of 6 Counterforts to Do.
672	1	6	3	9 3780	Exterior Parapet wall
1.	6	1	6	3 6 316	40 Counterforts to Do. each
548	1	6	3	2466	Interior Parapet wall foundation
548.	2.	6	9	7398	Superstructure of Do.
548	2	3		3288	Banquette to Do.
36	1	6	3	6 1323	Cheeks to 7 Embrasures each
18	1	6	5	6 1039½	Sills to 7 Do. each
145	1	6	12	2610	Fauje braie wall East of Low Flank
25	2	9		450	Ramp leading into Low Battery Eat Flank
				Tota. 160839½	Brick in Stuccam — — — — — at 2.70 ₩ Cubic feet 10853 30 45
68	1	3		2055	Stone Cordon to the Bastion and Low flank at 6 ft ₩ lin. ft 274 — —
				Cubic 3703	Filling in with rammed earth — — — — — at 5–50 pr. D. 46239 30

672	5	.	3360	Plastering exterior Parapet wall			
518	7	.	3626	Do — interior Do			
548	4	.	2192	Do Banquette and Step			
36	4	.	1008	Do Sheeks to 7 Embrasures each			
18	1	6	567	Do Sill to 7 Do each			
	Total		10,963	Plastering two Coats of Chunam at 1. 22. 40. ℔ Sq.			164 20 2

Total Mar Pagodas — 18,097 34 17.

Copy of Estimate No. 2 dated 14th September 1813

Probable Estimate for Constructing two upper and lower Flanking Batteries to defend the North face of Bastion A. and the ruins of the Delhie Bridge Plan No. 2

Stone cutters and coolly work to level the Rock for foundation	25	.	..	
Carried over Rs.	25	.		

Brought over Pay$ 25 ~ ~

265 7.63 5962½ Foundation of Lower flank and shoulder Stone facing

Superstructure of D°

9. 6 1 1 45½ Sills to 13 Embrasures each

Total 16939½ Stone in Rheumam ..... at 4 60 ℔ Cub feet 1,639 41 50

265 765 9037½ Foundation of lower flank and Soulder backing of Court

263 1662 8745 Superstructure of D°

23 6 4.6 19872 32 Counterforts including foundation

265 1 639 1490½ Esterior parapet wall

1 6 1 630 118½ 15 Counterforts to interior parapet wall

245 2 629 1684½ Foundation to interior Parapet wall

245 2 6 9 3307½ Superstructure of D°

245 3 2 1470 Banquette to D°

150 2 629 1021½ Interior Parapet wall to upper Battery

150 2 6 9 2025 Superstructure of D°

1515. Fort H. George 11th September 1845

36	1	6	3	2457	Checks to 13 Embrasures each		
18	1	6	1/2	1579½	Sills to 13 Do. each		
150	2.	3		900	Banquette to upper Battery		
25	2	9		900	Retaining walls to 2 Ramps into lower Battery		
	Total			55,573½	Brickwork in chunam ... at 2. 70 ℔ Cubic feet	3576	44 28
152	30	20		91,200	Filling in upper lower Battery Parapet and Rampart with rammed earth ... at 15. Cash per Cubic ft	380	- -
415.	1	3		1,245	Cordon to both Batteries cut Stone ... at 6. ℔ per Cubic feet	166	- -
260.	5.	-		1325.	Plastering exterior Parapet wall of lower Battery		
245	7	-		1715.	Do. Interior Do.		
245.	4	-		980	Do. Banquette Do.		
150	5.	-		750	Plastering Exterior Parapet wall to upper Battery		
150	7	-		1050	Do. Interior Do. Do.		
150	4	-		600	Do. Banquette to Do.		
18	16	-		1053	Sills to 13 Embrasures each		
36	4.	-		1872	Checks to 13. Do. each.		
	Total			9,345	Plastering two boats chunam ... at 1-22. 40 ℔ ℔	112	7 40

Total Star Pagodas — 5992 4 8

Fort St. George 11th September 1813

115

N.º 3

Probable Estimate for rebuilding part of the Curtain X. X between Bastion A and the Delhi Gate. Plan N.º 2.

176	3	3	4224	Foundation to interior Revetment Stone facing	
176	2	62	3 10120	Superstructure of D.º	
22	4	4	352	D.º D.º	
Total			14696	Stone in Chunam — at 4-40 ℔ Cub.º feet	1469 27
176	4	98	6888	Foundation to exterior Revetment backing of brick	
170	2	23	8096	Superstructure of D.º D.º D.º	
30	5	8	13,200	11 Counterforts each including foundation	
176	1	63	9 990	Exterior Parapet wall	
176	1	62	9 726	Foundation to Exterior Parapet wall	
176	2	63	7376	D.º Superstructure of D.º	
176	3	2	1056	Banquette to Parapet	
Total			23132	Brick in Chunam — at 2.70 ℔ Cub.º feet	2,116 34 40

Fort.ss Gwalior 11th September 1843

176	1	3	528	Cordon of Cut Stone ---------- at 6/ ℔. D° ----------	70	18 ~
176	35	9	55,440	Filling in Parapet with rammed earth and 15 Cent ℔ D° ___	231	
176	5	~	880	Plastering exterior Parapet wall		
176	7	~	1232	D° Interior D°		
176	4	~	704	D° Banquette		
	Total 2816			Plaistering two Coats of Chunam at 1- 22 40 ℔. Sq° ----------	42	10 4

Total Star Pagodas ___ 3930 ~ 24

Fort St. George 14th September 1813

No 4

Probable Estimate of the Expence of Constructing the Cavalier D at North West angle Plan No 2

500	44	20	44,000	Removing old work and additional excavation to complete the flank at 15. Cash ℔ Cubt. feet ___	1833	15 ~

Carried over Pagodas ___ 1833 15 ~

Fort St. George 14th September 1819.

									O	ƒ 6.
						Brought Over Pagodas			1833	15.
528	4	4	8448			Foundation to exterior Revetment Stone facing				
528	2	633	644,220			Superstructure of Do				
			Total	52,668		Stone in Chunam		at 4. 40 ƒ Cubic feet		
531	1	3	1593			Stone Cordon of highly Cut Stone	at 8 ƒ.		212	18.
528	4	10	6	22176		Foundation to exterior Revetment Earthing of Bricks				
528	6	33	6	106128		Superstructure of Do				
8.	9	8	9	4.	6	9990½	Foundation to 29 Counterforts each			
7	6	4	5	22.	63	1220¼	Superstructure of Do			
535	1.	6	3	9		2953	Exterior Parapet wall			
1.	6	4	6.	3	6	228½	29 Counterforts to Do each			
340	1.	6.	2.	9.		1402½	Foundation to exterior Parapet wall.			

340	4	10	6	9	4207	Superstructure of do.		
340	2	3			2040	Banquette to Do.		
60	2	2	6		300	Foundation to wall surrounding Magazine		
60	1	1	8		720	Superstructure of Do.		
					Total 181366	Brickt in Chunam	at 2.70 ₹ Cubic ft.	11587 12 20
500	8	12			48000	Filling in with rammed earth	at 15 Cash ₹ C. ft.	200 - -
6	3	6			21	A Single door with hooks &c Complete	at 2. 13-0 ₹ Sq. foot	6 3 -
525	5				2625	Plaistering exterior Parapet wall		
340	7				7380	Do. Interior Do.		
340	4				1360	Banquette		
60	17	6			1050	Do. Wall surrounding Magazine		
					Total 7415	Plaistering two Coats of Chunam	at 1-22-40 ₹ Sq.	111 10 10

Total Star Pagodas. 19217 430

Star Pagodas 11587

Fort St. George 4th September 1813

Probable Estimate for repairing Cavalier N°. 2 on the South West Face Plan N°. 4. N°5

80	26	3. 600	Foundation to West Flank	
80	25	5. 800	Superstructure of Dº	
	Total.	1400	Stone in Ruman - - - - - - - - - at 4-10. ℔ Cubic ft. = 140	
80	2.	3. 480	Foundation to West flank Backing of brick	
80	1.	35. 500	Superstructure of Dº	
300	1.	6 3, 9 1687½	Exterior Parapet wall	
1, 6	1.	63. 6 236¼. 30	Counterforts to Dº each	
300	1	3. 900	Brick Coarse to Dº	
264	2,	62. 9 1815.	Foundation to interior Parapet wall	
264.	2.	6, 9 3564	Superstructure of Dº	
200	3.	2. 1200	Banquette to Dº	
66.	2.	66. 990	Rebuilding part of Gorge	

1821

Fort Georges N°. 4 Scheme 1st

Total 11372½ Brickt in Chunam — at 2-10 ₱ Cubic ft — 726 26 52

157 6 " 906 Underpinning and pointing the South face

80 18 " 1440 D° — D° the Gorge

97 17 " 1649 D° — D° the East flank

Total 3995. underpinning and pointing — at 1-20-40 per Sqr — 59 41 50

300 4 " 1200 Plastering the exterior Parapet Wall

264 7 " 1848 D° the interior D°

200 4 " 800 D° the Banquette

Total 3848 Plastering two Coats of Chunam — at 1-20-40 per Sqr — 57 32 32

270 2 18 14580 Filling in the Parapet with rammed at " 15 Cash per Cubic feet — 60 33 60.

Total Star Pagoda 1044-4434

Fort St George 14th September 1815

No 6

Probable Estimate for reforming Bastion 6. South West Face Plan No 4.

52	2	15	1560	Completing part of South West face.
60	2	12	1440	Do East flank from the Top of Stone Revetment
85	2	6	1275	Foundation the South face
85	2	6	20 5525	Superstructure of Do
25	2	6	3	187½ Foundation to part of Earth flank or Terreplein of Fausse braie
20	2	6	14	700 Superstructure of Do
106	2	6	7	1855 Foundation to West Flank
100	2	6	30	7500 Superstructure of Do
37	2	6	6	555 Foundation to part of South west face
34	2	6	28	2380 Superstructure of Do
130	2	12		4680 Repairing wall to Gorge of Bastion including foundation
15	2	9		1350 Do Do to Ramp Do Do

Fort George N. Lightenden 1853

3	6	1	1 31½	Sills to 9. Embrasures each	
			Total 29039	Stone in Sumary - - - - - at 4-20 ℔. ℂ. ft. - - - - -	2903 40 40
350	3	6	1050.	Gordan Cut Stone - - - - - at 6 ft. ℔ Do - - - - -	140 "
350	2	6	15. 1950	Completing part of South West face bastion of brick	
4	2	6	15 450	3 Counterforts to Do. Do.	
60	2	12	1440	Completing East Flank	
2	6	2	612. 300	4 Counterforts to Do. each	
85	10	6	6. 5955	Foundation to South Face	
85	5	3	26. 11,602½	Superstructure of Do.	
7	6	4	30. 3600	4. Counterforts to Do. including Foundation	
25	6	3	450	Foundation to part of East Flank or Terreplein of Face brace	
20	4	6	4. 1260	Superstructure of Do.	
5	6	3	16 — 528.	2 Counterforts to Do. including foundation	
106	12	7	- 8,904	Foundation to West flank	
100	6	3	30 - 18,750	Superstructure of Do.	
8	—	5	- 35 8,400.	6 Counterforts to Do. including foundation	

Carried over Page — 3043 40 40

Fort St. George H. S. Septr. 1825

				Brought over Pagodas	3043 1040
130	1	6	18	3510	Retaining wall to Gorge of Bastion including foundation
3	6	2	6	18	1102½ 7 Counterforts to Gorge of Bastion including foundation
37		10	6	6	2331 Foundation to part of South West face
34		5	3	28	1498 Superstructure of Do
7	6	4		30	1800 2 Counterforts to Do including foundation
75		1		9	675 Retaining wall to Ramp including foundation
35		2		12	840 Paving Do
300		1	63	9	1687½ Exterior Parapet Wall
1	6	1	63	6	236¼ 30 Counterforts to Do
300		2	62	9	2062½ Foundation to Interior Retaining wall of Parapet
300		2	6	9	1050 Superstructure of Do
250		3	2		1500 Banquette to Bastion

36	1	63	6	1,701	Chests to 9 Embrasures each		
18	1	64	6	1093⅓	Sills to 9 Do. each		
				Total 9057⅓	Built in Chunam - - - - - - at 2. 70. ₹ Cubt. feet - - -	5,786	38.12
300	5	.		1,500	Plaistering exterior Parapet wall		
300	7	.		2,100	Do. Interior Do.		
250	4	.		1,000	Do. Banquette Do.		
36	4	.		1,296	Chests to 9 Embrasures each		
18	40	.	729		Sills to 9 Do. each		
				Total 6,625	Plaistering two Coats of Chunam - - - at 1. 22. 40. per Sq. - - -	99	16 70
140	5.	13		9,100	Clearing away Revetment of S. and E. Flanks		
25	5.	25		3,125	part of S. and S. W. Faces.		
350	25.	35		306,250	Do. old Rampart and Tower of Body of place		
				Total 318,475	Clearing away - - - - - - - - - - - - at 15 Cash ₹ Cubic ft -	1,326	44 0
					Levelling and preparing the foundation of Rock - - - - - - - - -	40	- -
					Total Star Pagodas - - -	10,297	4 47

Fortification Estimate 1813

No 7

Probable Estimate of the Expence of repairing Cavalier 3 Plan No 6.

1821

107	1	3.	371	Stone Cordon	at 4- 10 ℔ ft	34	16 40
107	3	91	6 60 1/2	Exterior Parapet Wall Brick in Chunam			
36	1	61	6	47. 3 6 Counterforts			
89	2	91	6	3071½ Foundation of retaining Wall of Do			
89	6	92		12046 Retaining Wall above Foundation			
				1507 6 Constructing 5 Embrasures			
				3725.3			
				291 Deduct for 5 Embrasures			
				3434.3 Brick work in Chunam	at 2 70 ℔ ft	235	3 37
107	4	3	1284	Filling in with rammed	at 15 Cash ℔ Do	5	30 60
					Total Star Pag	275	8 57

Fort St George Ft St Sylvester 1821

Total Star Pag^{a} — 275 8 57

No. 8.

Probable Estimate for rebuilding the 5 Gun Battery Agreeably to Section No. 7. and Plan No. 6.

106	2	3	10	2439.0	Clearing away old work and opening the foundation at 15 Cash $\mathcal{P}$ C. F^{t}	101	26 20
95	2	4	6	1282½	Foundation to Exterior Revetment of Battery		
95	2	15	3	2897½	Superstructure of D^{o}		
95	1	3		285	Stone Cordon to D^{o}		
24	2	6		288	Retaining wall to Rampart D^{o}		
140	3	4		1,680	Foundation to Interior Revetment of Battery		
110	2	11	6	3220	Superstructure of D^{o}		
				Total 9653	Stone in Chunam - - - - - - - - - - - - - - at 4. 40 $\mathcal{P}$ Cub. F^{t} - - -	965	13 40
95	4	4	6	1710	Foundation to exterior Revetment of Battery backing of brick		
95	2	15	3	2897½	Superstructure of D^{o}		
4	3	19	6	1170	5 Counterforts to D^{o} including foundation each		

Carried over Pagoda^{s} — 1,066 3 60

Fort St. George M^{r} Explanation 1813

Brought Over Pagodas - - - - 1066 39 60

140	. 2	4.	1120		Foundation to Interior Revetment of Battery backing of brick - - - -
140	6	11 6	806		Superstructure of Do
3	2	6 14.	840		8 Counterforts to Do including foundation each
95.	1	6 3 9.	534 3/8		Exterior Parapet Wall
1	6 1	6 3 6	70 7/8		9 Counterforts to Do each
95.	2	6 2 9	653 1/8		Foundation to Interior Retaining wall of Parapet
95	2.	6 9	1782 1/2		Superstructure of Do
36.	1	6 3 6	91 7/8		Cheeks to 5 Embrasures each
18.	1	6 4 6	607 1/2		Sills to 5 Do each
	Total	11782 1/2		Brick in Chunam	at 2. 70 ₹ Cub: ft - - - 752 35 32
95.	4	.	380	Plastering exterior Parapet wall	
95	7	.	665	Do Interior Do	
36	4	.	720	Plastering Cheeks to 5 Embrasures each	
18	4 6	.	405.	Do Sills to 5 Do each	
	Total	2170		Plastering two Coats	at 1. 22 40 ₹ Sq: - - - 32 24 60
95	3	18 .	5130	Filling in Parapet with earth	at. 15 Cash ₹ Cub: - - - 21 16 70

Total New Pagodas 1873 26 62

No 9.

Abstract Estimate for rebuilding the 8 Gun Battery at the S.W. Angle Plan No 6. Section No 7.

149	5	3	62607½	Rebuilding part of the exterior Revetment	
149	1	3	427	Cordon to Do	
189	3	2	62551½	Foundation to Interior Rampart in the rear and in the North flank of the Battery	
189	2	15	65859	Superstructure of Do	
3	6	1	78	Sells to 8 Embrasures each	
			Total 11493	Stone in Chunam ..... at 4-40 ₱ Cubt ft	1149 13 40
				Carried Over Pagodas	1149 13 40

Fort George 13th September 1813

1156

					Brought over Pagodas		1,149	13 40
189	2	4	6	1701	Foundation to Interior Rampart in the rear and on the North flank of Battery / backing of Bricks			
189	1	315	63	661 7/8	Superstructure of Do			
149	1	63	9	838 1/8	Interior Parapet wall			
1	6	1	62	6 78 3/4	10 Counterforts to Do each			
149		2	62	9 1024 1/8	Foundation to interior Parapet wall			
149		2	6	9 2011 1/2	Superstructure of Do			
100		2	2	600	Banquette to Do			
36		1	63	6 1512	Cheeks to 8 Embrasures each			
18		1	64	6 972	Sills to 8 Do each			
		Total	13399	5/12	Brick in Chunam	at 2. 70 ₹ Crb. ft	792	8 73
149	4	"	596		Plastering exterior Parapet wall			
149	7	"	1043		Do Interior Do			
100	4	"	400		Do Banquette			
36	4	"	152		Do Cheeks to 8 Embrasures each			
18	16	"	648		Do Sills to 8 Do each			
	Total	3239			Plastering two Coats of Chunam	at 1. 72. 10 ₹ Sq.	57	26 26
					Total Star Pagodas		1,999	3 59

11531

Fort St. George 14th September 1813

No. 10

Probable Estimate of the Expence of repairing the S.W. Battery E. Plan No. 6.

168	10	22	36960	Clearing away old work	at 15 Cash ℔ Cubic ft.	154 - -
			100	Stone Cutting to Lent the Perk at 3. 60 each		3 15 -
168	3	64	2,352	Foundation to West flank & part of South face Stone facing		
168	2	61/2	7350	Superstructure of Do		
210	2	16	6720	Revetment of East flank or foundation laid by Tippoo and part of the South face		
176	5	2	62,200	Foundation to Interior Revetment of Rampart		
176.	2	38	3168	Superstructure of Do		
				Carried over Pagodas		162 15 -

Fort St. George 11th September 1813

13811

					Brought over Pagodas	182 15 .
145	2	2	3	3915	Rebuilding the Gorge on the old Foundation	
3	6	1	1	21	Cells to 6 Embrasures each	
	Total			25726	Stone in Chunam at 4. 40 ℔ Cub. ft.	2572 27 ~
380	1	3		1140	Stone Coadon at 16 ft. ℔ D°	152 ~
168	5	6	4	3696	Foundation to west flank and part of South face backing of Brick	
4	4	4		704	D° to 11 Counterforts to D° each D°	
160	1	6	17	6 4410	Superstructure of West flanks and part of South face D°	
3	6	3	17	1963½	D° of 11 Counterforts each	
210	1	6	16	5040	Revetment of East flank or foundation laid by Tippoo and part South face	
3	6	3	15	2205	14 Counterforts to D° each	
2	2	2	8	170	Foundation to 17 Counterforts to Interior Revetment of Rampart	
2	1	6	7	357	Superstructure of D°	
380	1	6	9	2137½	Exterior Parapet wall	
1	6	1	6	2 165⅜	21 Counterforts to D° each	
308	1	6	3	1386	Foundation to Interior Retaining wall of Parapet	
308	12	1	6	9 4158	Superstructure of D°	
280	3	2		1680	Banquette to Battery	

Gorge No. 14 & Curtain No. 13

36	1	6 3	6			
12	1	6 5	6	2025	Cheeks and flens of 6 Embrasures each	
	Total			3097 3/8	Brick in Chunam	at 12. 70 ℔ Cub. feet 1922 39 ℔ 6.
168	10	6	.	10080	Filling in with rammed earth	at 15 Cash ℔ D° 42 . .
380	5		"	1900	Plastering exterior Parapet wall	
308	7		.	2156	D° Interior D°	
280	4		"	1120	D° Banquette	
36	4		.	864	D° Cheeks to 6 Embrasures each	
18	3	6	"	594	D° Sell to 6 D° each	
Total				6634	Plastering two Coats of Chunam at 1. 72. 40 ℔ Sq°	99 22 76

Total Star Pag°. — 4799 14 72

Fort St. George Dr. to Explanation 1813

11535

Fort St. George "A" Egmont Redoubt

№ 11

Probable Estimate for repairing and improving the Mysore Redoubt by Com-pleting its West Flank & Rear & rebuilding part of it South East & South West Angles Plan № 6.

159	20	4	12,720	Clearing away the Stone wall and levelling Terreplein of redoubt
364	5	25	45,500	Do the Old Parapet
265	33	10	87,450	Do the old Rampart to the Terreplein of redoubt
587	26	7	106334	Do the old Rampart of west flank and rear
	Total	252504		Clearing away at 15 Cash ₰ Cub. ft 1.037 4 40
87	4	64	1566	Foundation to part of the west flank to be rebuilt
50	4	64	900	Do part of the Rear of redoubt at extremety of West Flank
87	2	30	6525	Superstructure of part of West Flank
50	2	30	3750	Do of Do of rear of Redoubt
32	2	32	2.500	Rebuilding South west angle of Redoubt.
22	2	20	1100	Do Do South East Do.

475	2	3	4275	Foundation of Interior Revetment of Rampart including both termination too rear — — — — }
460	10	2	9,200	Superstructure of Do
100	3	3	900	Foundation of Retaining walls of Ramps
50	10	2	1,000	Above Foundation of Do
3	61	1	52½	Solls to 15 Embrasures each
	Total -		31,828½	Facing with Stone in Chunam — — at 4 - 40 ₹ Cub: ft — 3,182 38 20
87	6	4	2,088	Foundation to part of West flank backing of brick. —
50	6	4	1,200	Do to part of rear of Extremity of West flank
87	4	30	10,440	Superstructures of west flank
50	4	30	6,000	Do of Rear of Redoubt
8	22	30	6,000	6 Counterforts to west flank
8	4	2 30	4,000 ₹	4 Do to rear of redoubt
32	4	6 30	4,320	South west angle backing of Brick
22	2	2 20	953½	South East Do Do
475	3	2	2850	Foundation to Retaining Wall of Rampart. —
460	10	1	4,600	Superstructure of Do

Carried over Pagodas 4,234 42 60

Fort St. George 14th September 1813.

Brought over Pagodas — 4,234 42 60

3	3	33	6	1,194 3/8	Foundation of 35 Counterforts each
10.	1	37	3	981 3/8	Superstructure of Do
100	1	1		100.	Foundation of retaining walls of Ramps
50	10	1		500	Superstructure of Do
531	2	2	6	2,655	Foundation of Interior Retaining wall of Parapet
3 —	6 2	6 2			
3	6	2	6	2 902½	Foundation of 55 Counterforts each
325	6	9	1	6 5313½	Superstructure of retaining wall of Parapet
3	6	1	6	1 6 433 5/8	Do of 55 Counterforts each
70	2	5	1	6 210	Wall at extremety of Rampart
135	3	2	6	1012½	Foundation of proposed Wall across the Gorge of redoubt
135	7	1	6	1417½	Superstructure of Do
4	6	3	4	6 60½	Foundation of two Gate Piers
12	3	6	3	6 147	Superstructure of Do
30	4	9	1	9 3740 5/8	Cheeks to 15 Embrasures each
30	9	1	6	6075	Floors of Do each
179	2	1	6	580½	Wall at Extremety of Parapet & joining wall across Gorge of redoubt
510	3	2		3060	Banquette and Steps including Foundation
	Total	7,900½		Brick in Chunam	at 2.70 ₹ Cubic ft — 4,529 34 52

1537

Fort St. George 11th S. Bastion Oct. 1818

706	″	1	2,118	Cordon of Cut Stone	at 6 fs. ℔ Do	——	282 18 -
706	15	-	10,590	Underpinning and pointing	at 1. 21	"	155. 14 32
525	6	9	3543¾	Interior Retaining wall of Parapet Plastering			
30	4	9	2137½	Chucks of 15 Embrasures each.			
30	9	"	1,050	Sills of Do.			
570	3	"	1,530	Banquette and Step			
270	8	"	2,160	Wall across Gorge of redoubt			
140	7	"	980	Wall at extremety of Rampart			
48	7	-	336	Gate Piers			
129	4	6	580½	Wall at extremity of Parapet and joining wall across Gorge redoubt			
	Total		1537¾	Plastering two Coats of Chunam	at 1. 22. 10 ℔ Sq.		229 34 39
590	30	6	106,200	Filling in the Parapet with rammed earth	at 15 Cash ℔ Cub. fs.	—	442 22 40
12	10	"	120	One strong Gate with Frame work complete			24 - -
				One Padlock and Key			2 - -

Total Star Pagodas — 9,900 31 63.

Fort St. George 14th September 1813

Brought over Pagodas — 4,234 42 60

3	3	33	6	1,194 3/8	Foundation of 35 Counterforts each
10	1	33	3	984 3/8	Superstructure of Do
100	1	1		100	Foundation of retaining walls of Ramps
50	10	1		500	Superstructure of Do
531	2	2	6	2,655	Foundation of Interior Retaining wall of Parapet
3	6 1/2	6	1/2		
3	6	2	6	2 902 1/2	Foundation of 55 Counterforts each
325	6	2	1	65 315 1/2	Superstructure of retaining wall of Parapet
3	6	1	61	6 433 5/8	Do of 55 Counterforts each
70	2	61	16	210	Wall at extremity of Rampart
135	3	2	6	1012 1/2	Foundation of proposed Wall across the Gorge of redoubt
135	7	1	6	1417 1/2	Superstructure of Do
4	6	3	4	6 60 3/4	Foundation of two Gate Piers
12	3	6	3	6 147	Superstructure of Do
30	4	9	1	9 370 5/8	Chests to 15 Embrasures each
30	9	1	6	6075	Floors of Do each
129	9	1	6	580 1/2	Wall at Extremity of Parapet & joining wall across Gorge of redoubt
570	3	2		3060	Banquette and Steps including Foundation
Total 7,900 1/2					Brick in Chunam ..... at 2.70 ₹ Cubic ft — 4,529 24 52

Fort "George" No 1 Estimate 1843

706	3	1	2,118	Cordon of Cut Stone	at 6 ff. ℔ Do	——	282 18 .
706	15	"	10,590	Underpinning and pointing	at 1. 21 "	——	155. 14 32
525	6	9 "	3543¾	Interior Retaining wall of Parapet Plastering			
30	4	9 "	2137½	Chucks of 15 Embrasures each.			
30	9	"	4,050	Sills of Do.			
570	3	"	1,530	Banquette and Step			
270	8	"	2,160	Wall across Gorge of redoubt			
140	7	"	980	Wall at extremety of Rampart			
48	7	.	336	Gate Piers			
129	4	6 .	580½	Wall at extremity of Parapet and joining wall across Gorge redoubt			
	Total.		1537¾	Plastering two Coats of Chunam	at 1. 22. 10 ℔ Sq. ft.	229 34 39	
590	30	6	106,200	Filling in the Parapet with rammed earth	at 15 Cash ℔ Cub. ft.	242 22 40	
12	10	"	120	One strong Gate with Frame work complete		24 . .	
				One Padlock and Key		2 . .	
					Total Star Pagodas	9900 31 63.	

Fort St. George 14th September 1813

1153

Expence Magazine

48	3	4	576	Foundation to Exterior and Interior Piers	
46	2	3	276	Superstructure of Do	
32	3	4	384	Foundation to end and cross walls	
30	6	3	540	Wall above Do	
	Total		1776	Brick in Chunam — — — — — — — at 2. 70 ₹ Cubic ft —	113 21
26	17	2	884	Arch work	
10	3	2	60	Do to Door	
	Total		944	Arch work in Chunam — — — — — @ 3 40 ₹ Do — —	73 19
20	28	"	560	Plastering two Coats Chunam — — — — @ 1 22 40 ₹ Sqr —	8 18
20	8	"	160	Flooring with Stone Jelly — — — — @ 1 15 ₹ Do —	2 6
4	3	"	"	Two strong Doors with Copper Nails &c Complete — — — — — —	14 33
				Four Brass Hooks hinges with nails — — — — — — — —	29 "
				Four Do Padlocks Keys and bolts — — — — — — — —	6 "
1	1	"	"	Two Brass G — — — — — — — — — —	3 "

Magazine Pagodas — 250 ₹ "

Total Star Pagodas — 10,150 38 63.

1136

Fort St George 11th September 1813

No. 12

Probable Estimate for improving the Southern Redoubt G by completing the Ditches and Exterior Revetments of its East and West Flanks Plan No. 8. —

				Clearing away the Earth and levelling the Terreplein of redoubt		100	-
50	45	24	54,000	Completing the Excavation of the Ditch of East Flank			
50	10	18	36,000	Do	Do	Do	West Do
			Total 90,000	Excavating		at 30 Cash ₰ Cubt. ft	750 - -
50	2	3	20 2,250	Facing of Stone to Complete the Revetment of East Flank			
64	2	3	17 2,148	Do	Do	Do	West Do
20	4	6	17 1,530	Rebuilding the Revetment of South East angle of Redoubt			
34	3	6	15 1785.	Do	Do	part of rear of redoubt	

Carried over Pagodas 850 -

Fort St. George 14th September 1813

115/10

Brought Over Pagodas ——— 350 . .

5	2	6	10	375 3 Counterforts to part of rear redoubt each
3	6	1	1	42 Sells to 12 Embrasures each
	Total		8430	Stone in Chunam . . . . . @ 4. 40 ℔ Cubic ft ——— 843 . .
50	2	4	20	2333⅓ Backing of Brick to Revetment of East Flank
6	3	4	20	1200 3 Counterforts to Do each
64	1	6	17	1632 Backing of Brick to Revetment of west flank
5	3		17	1020 4 Counterforts to Do each
323	2	2	8	1615 Foundation to Interior Retaining wall of Parapet
3	6	2	62	560 32 Counterforts to Do each
323	6	9	1	9 3215½ Superstructure of Interior Parapet
3	6	1	61	6 257 32 Counterforts to Do each
25	4	9	1	9 2193¾ Cheeks to 12 Embrasures each
25	4	1	9	3150 Floors to Do each
163	3	2		1577 Banquette including Steps and Foundation
25	4	9	1	9 207¾ Retaining walls to extremities of Parapets

Fort St. George No 1 St Splinter No 13

419	7	1	6	1257	Coping of Revetment of Rampart		
				Total 21114½	Brick in Chunam	at 2. 70 ℔ Cubic ft	1348 43 37
325	6	9	"	2130½	Plastering Interior Retaining wall of Parapet		
25	5		"	1500	Cheeks to 12 Embrasures each		
25	6		"	1800	Sell of Do each		
263	4		"	1052	Banquette and Step		
25	5		"	125	Parapet wall of extremities of Parapet		
419	3		"	1257	Coping of Parapet		
				Total 7914½	Plastering two Coats of Chunam	at 1. 22 40 ℔ Sft	118 22 9
419	15.		"	6285	Underpinning & pointing the Exterior Revetment	at 1. 21. ℔ Do	92 8 8
370	3	4	25.26666⅔		Filling in the Parapet with rammed earth	at 15 Cash ℔ Cubic feet	111 5 -

Total Star Pagodas - 3,36343 54

Fort St. George 11th September 1813

No. 13.

Probable Estimate of the Expence of Constructing the new Cavalier Bastion a
at the S. E. Angle / Taken from Major Lennons Estimate / Plan No. 8.—

400	45	20	3,60,000		Cooly work for removing the old work and clearing away the foundation ——— @ 15 Cash ℔ Cub. ft.	500 — —
					Stone Cutters work to level the surface of the Rock ———	50 — —
389	4	4	6	7,002	Constructing foundation facing of Stone	
389	2	62		321,817½	Superstructure of Do.	
183	5	4	6	4117½	Foundation to Interior Revetment	
183	2	62		310,522½	Superstructure of Do.	
25	2	10		500	Constructing Ramp	
3	6	1	1	21	Sett. to 6. Embrasures each	
				Total 63930½	Stone in Chunam ——— at 4. 40. ℔ Cub. ft.	6,393 2 20
389	1	3	1167		Stone Cordon ——— at 6 ft. ℔ Do. ———	155. 27 —

389	11	4	61975½	Foundation to Revetment backing of brick	
389	6	6	43 108725½	Superstructure of Do	
10	5	10	38,000	19 Counterforts including foundation	
389	1	6	3 9 2,138⅛	Exterior Parapet wall	
1	6	1	6 3 6	165⅜ 21 Counterforts to Do each	
353	2	6	2 9	2426¾ Foundation to Interior retaining wall of Parapet	
353	2	6	9	4765½ Superstructure of Do	
320	3	2	1,920	Banquette & Do	
36	1	6	3 6	1134 Cheeks of 6 Embrasures each	
18	1	6	4 6	729 Sills to 6 Do each	
	Total			179309¾ Brick in Chunam	at 2. 70 ₱ Cubic ft — 11,455 40 42
335	14	12	56280	Filling in the Rampart & Parapet with rammed earth @ 15 Cash ₱ Do	234 22 40
				Plastering the Parapets &c	105 32 40

Total Star Pagodas — 19,899 3462

Fort St. George 14th September 1813

No. 14

11545

Forth. George 14th. September 1813

Probable Estimate for repairing the Sultaun redoubt Plan No. 8.—

408	5	100	204000	Removing the old Parapet and Rampart of redoubt.	
400	3	25	30,000	Filling in the new Parapet with rammed earth	
-	Total		234,000	Removing with - - - - - - - - - - - - at 15 Cash ℔ Cub. ft —	975 - -
720	2	2	2,880	Coping the whole exterior Revetment of redoubt	
435	2	62	9 2990⅝	Foundation to Interior Parapet wall	
425	2	6	9 5872½	Superstructure of Do	
390	3	2	2,340	Banquette to Do	
50	4	-	1600	Cecks to 8 Embrasures each	
75	1	66	1800	Sells to Do Do each	
	Total		17483½	Brick in Chunam - - - - - - - - - at 2.70 ℔ Cub. ft —	1117 - - 5
720	3	-	2160	Plastering coping of exterior Rampart	
435	7	-	3045	Do interior Retaining wall of Parapet	

390	4	"	1560	Dº Banquette			
80	4	"	1600	Dº Cheeks to 8 Embrasures each			
15	6	"	1200	Dº Sells to 8 Dº each			
	Total		9565	Plastering two coats of Chunam	at 1.22.40.ℳ Sqr	143	21 30
56	7	10	1,000	Repairing the exterior Revetment in various places			
				Stone in Chunam	@ 4. 40.	100	"
720.	15.	"	10,800	Underpinning and pointing the whole exterior Revetment @ 1.22.20ℳ Dº		162	"
10	10	"	"	One new Bridge		35	"

Total Star Pagodas ——— 2,532 21 33.

No 15

Probable Estimate for Completing the Bangalore Gate Battery and for building a Sally Port and Bridge of Communication on the North Flank, Plan Nº 9.—

37.	4	12.	1776	Excavating the Covertway to form the Ramp			
30.	20.	16.	9,600	Dº the North Flank to form the Sally Port			
	Total.		11376	Excavating	@ 15. Cash per Cubic ft	47	18 "

Carried over Pagodas — 47 18 "

Fort St. George 11th September 1813

				Brought Over Pagodas — —			47	18 ~
364	2	6	43.	39,130	Exterior Revetment of North and South Flanks Stone facing —			
150	4	21.		12,600	Completing exterior Revetment of East face			
30	3	13.		1170.	Rebuilding part of the Interior Revetment of North flank			
140	2	6	10.	3,500	Raising the whole interior Revetment of North flank			
178.	2	6	7.	3115	Do. interior Revetment of South flank			
3	6	1	1	31½	Sells to 9 Embrasures each.			
-		Total		59546½	Stone in Chunam - - - - - at 4. 40 ₹ Cubic ft. —		5954	29 20
					Sally Port Bridge of Communication and Ramp-			
82.	2	2	6	410	Foundation of Piers of Sally Port			
82	2	6		904.	Superstructure of Do.			
13	2	12.		312.	Arch work of Exterior & Interior fronts of Sally Port —			
31.	3	9	16	1918½	Pier supporting Bridge of Communication			
39.	1	6	2	117.	Foundation of Retaining wall of Ramp			
37.	1	5	8	444	Superstructure of Do			
		Total		4185½	Stone in Chunam - - - - - at 4. 10. ₹ Cubic ft.		418	23 5.
514	1	3		1542	Stone Coordan of Cut Stone - - - at 6. ft. ₹ Do —		205	27 ~
364	8	43.		12516	Exterior Revetment of North & South Flanks backing of brick			

Copy of Letter from Lt. Col. Kyd to Lt. Col. Fullarton dated 11th September 1813

500.	1	63	9	2812½	Exterior Parapet wall N. and S. flanks and East face —
1.	61	63	6.	393¾	30 Counterforts to Do. each
490.	2	62	9.	3368¾	Foundation to Interior retaining wall of Parapet
490.	2	6	9.	6,615	Superstructure of Do.
440.	3	2		2640	Banquette to Do.
36.	1	63	6	1701	Chucks to 9 Embrasures each
18.	1	64	6	1093½	Sills to 9 Do. each
		Total		143840½	Brick in Chunam — at 2.70 P. Cub. ft. — 9189 36 35.
31	9.	"	279.		A course of 3 Inch Plank with nails &c. @ 9. 10 ft. P. Sqr. 58 40 40
16.	61	9	"		3. Bedding Beams — @ 5. Pags. each — 15 " "
15.	1	10	"		10 Fire Beams @ 4. 22. 40 each 45 " "
62.	5.	"	310.		Teakwood Railing strong Posts and Peers @ 8. 30. Sqr. — 56 37 40
15.	9	"	270		Two strong Sally port Gates with Hinges &c. Complete @ 28. C. ft. 168. " "

Carried Over Pagodas — 16,159 31 60.

Estimate of Chunam Work required for repairing the Fort of Chittagong as per Plan & Section dated 1st Jany. 1813

Brought over Pagodas - - - - - 16,159 31. 60

500	5	" 2,500	Plastering exterior Parapet wall	
490	7	" 3430	D° exterior D°	
440	4	" 1,760	D° Banquette	
36	4	" 1296	D° Cheeks to 9 Embrasures each	
18	4.6	" 729	D° Sills to 9 D° each	
	Total	9,715	Plastering two boats Chunam - - - - - at 1. 22. 40 ₹ Sq°- :---	145. 32 50
514	5.64	6 40,991	Filling in parapets of N. and S. Flanks and East face	
182	23 32.	1,33,952	D° North Flank	
182	32. 44.	256,256	D° South Flank	
	Total	4,31,199	Filling in with rammed earth - - - - - at 15 Cash ₹ Cubic ft	1796 29 72

Total Star Pagodas - - - - - 17,102 4 72

Fort St. George 11th September 1813

N°. 16.

Probable Estimate for reforming the North East Angle Plan N° 12

No 1 of North East angle for completing the Square Bastion and
Connecting the Rampart of North front with the inner rampart
of East Do also connecting the Main and Fause braie Rampart
of North front.

260	2	624.	15600	Completing the Revetment of Square Bastion
310	4	4	4,960	Foundation Rampart Connecting the North and East Fronts —
310.	2	640	31,000	Superstructure of Do —
110	4	3.	1320	Foundation a Rampart connecting the Fause braie and main Rampart of North Front. —
110	2	623.	6,975	Superstructure of Do
390	3	3	3,570	Foundation to Counterscarp of Ditch before the Rampart Connecting the E. and N. Fronts —
390.	2	12.	9,360	Superstructure of Do. —
3	61	1	35.	Sell to 10 Embrasures each —
		Total	72110	Stone in Chunam . . . . . at 1/10 ℔ Cub. ft — 7.211 " "

Carried over Pagodas — 7.211 " "

				Brought Over Pagodas — 7,211 — .
260	4	6	24. 28,080	Completing Square Bastion Casking of Brick
6	4	24	8,640	15 Counterforts to Do. each
310	11	4.	13,480	Foundation to rampart Connecting East and north Fronts
310	7	40	86,800	Superstructure of Do.
8	5	4	2,720	Foundation to 17. Counterforts each
8.	5	38	25,840	Superstructure of 17. Do. each
110.	6.	3.	4980	Foundation to Rampart Connecting Fausse braie and main Rampart of North Front
110	4	23	10,120	Superstructure of Do.
6	4	3.	432.	Foundation to 6. Counterforts 6 Do. each
6.	3	4	22 2640	Superstructure of 6 Counterforts each
390	2	6	3. 2,925	Foundation to Counterscarp of Ditch
390	1	12	4,680	Superstructure of Do.
11	7	6	15 3,300	22 Counterforts to Do. including Foundation
20	5	10	2,400	Interior Revetment to Rampart of Fausse braie
20	3	6	5. 250	Retaining walls to one Ramp- to Do.
620.	1	6	3 9. 34,875	Exterior retaining wall of Parapet

1 6 1 63 6 472½ 60 Counterforts to D°. each

620 7 62 9 4,267½ Foundation to Interior returning wall of Parapet

" 2 69 8370 Superstructure of D°.

550 3 2 3300 Banquette to D°.

36 1 63 6 1890 Cheeks to 10 Embrasures each

18 1 64 6 1715 Sill to 10 D° each

Total 21744½ Brick in Chunam ..... at 2.70 ℔ Cub ft 13,892 12 75

620. 7 " 4,340 D°. Interior D°

550. 4 " 2,200 Banquette

36 4 " 1,440 D° Cheeks to 10 Embrasures each

18. 46 " 810 D°. Sill to 10 D° each

Total 11890 Plastering two Coats of Chunam at 1.22.40. ℔ Sq° 178 15 60

Total Star Pagodas 21557 28 55

Fort St. George 11th September 1813

1552

No. 2. of North East Angle For Constructing the North East Angle Ravelin and building a Counterscarp to the Ditch in rear of A. and to that of the termination of the Second Line of East Face.

336	4	4	5,376	Foundation to the Revetment of the two Faces.
330	2	6 40	33,000	Superstructure of Do.
360	3	3	3240	Foundation to counterscarp of Ditch
360	2	20	14,400	Superstructure of Do.
200	3	3	1800	Foundation to Retaining wall of Gorge
200	2	19	7,600	Superstructure of Do.
80	2	10	1,600	Retaining wall to one Ramp including foundation
3	6	1	1 28.	Sells to 2 Embrasures each
		Total	67044	Stone in Chunam ..... at 4. 10 ₰ Cub: ft. ..... 6704 18.
336	10	4	13,440	Foundation to faces of Ravelin of brick
330	7	40	92,400	Superstructure of Do.
2	12	47.	30240	12 Counterforts to Do. including foundation
360	3	3	3240	Foundation to counterscarp of Ditch
360	1	6 70	10,800	Superstructure of Do.

Estimate of Stone for Construction of Fort Wellington

4	3	22	5280	10 Counterforts to Do each	
200	9	3	1800	Foundation to Retaining wall of Gorge	
200	1	69	5700	Superstructure of Do	
4	3	21	7520	10 Counterforts to Do each	
300	1	89	9 1687	Exterior Parapet wall	
1	6	1	696	236½ 3 Counterforts to Do each	
295	2	62	9	2028½ Foundation to Interior Retaining wall of Parapet including its termination	
295	2	0	93982½	Superstructure of Do	
250	3	2	1500	Banquette to Do	
36	1	83	6	1512 Cheeks to 8 Embrasures each	
18	1	84	6	972 Sills to 8 Do each	
				Total 177338¾ Brick in Chunam	at 2. 70 ₱ cub. ft — 11329 42·66.
330	1	3		990 Cordon of Cut Stone	@ 6 ft ₱ cub ft — 132 — —
					Carried over Pagodas — 18166 1568.

Fort Cornwallis
Gorge Wall September 1913

Fort St. George Estimate for 1843

				Brought over Pagodas		13,166	15 66
300	5.	"	1,500	Plastering Interior Parapet wall			
295.	7	"	2065	Do	Exterior Do.		
250	4	"	1,000	Do.	Banquette		
36.	4	"	1152	Do	Chucks to 8 Embrasures each		
18	4	8 "	648	Do.	Sells to 8 Do. each		
Total	4365			Plastering two Coats of Chunam	at- 1. 22. 40 - - -	95	21 30
				Clearing away the old Rampart and levelling the foundation		300	- -
				Total Star Pagodas		13,561	37 16.

No 3. of North East Angle for forming the 4 Gun Battery and continuing the Counterforts of the Ditch to its Western extremity.—

170	3	3	1530	Foundation to Counterscarp of Ditch	
170	2	20	6,800	Superstructure of Do	
	6	1	1 14	Sills to 4 Embrasures each	
	Total	23144	in Chunam	at 4 . 40 ℳ Cub' f't	334 18 -
170	3	3	1530	Foundation to Counterscarp of Ditch Caikking of brick	
170	1	620	5100	Superstructure of Do	
4	3	22	2376	Counterforts to Do including foundation	
100	2	6	1,200	Exterior parapet wall to Battery including foundation	
100	2	62 9	687½	Foundation to Interior Retaining wall of Parapet	
100	2	6 9	1350	Superstructure of Do	
36	1	63 6	756	Cheeks to 4 Embrasures each	
18	1	61 6	486	Sills to 4 Do each	
	Total.	13485½	Brick in Chunam	at 2 - 70 - ℳ Cub' f't	861 25 65.

Carried over Pagodas — 1695. 43. 65.

11556

Fort St George the 6th September 1913

Brought Over Pagodas ——— 1695 43 65.

100	5	"	500	Plastering exterior Parapet wall	
100	7	"	700	Do Interior Do	
36	4	"	576	Cheeks to 4 Embrasures each	
18	4	8	" 324	Sills to 4 Dr. each	

Total 2,100 Plastering two Coats of Chunam at 1. 22. 40 ——— 31 22 40

Total Star Pagodas ——— 1727 21 25

Fort St. George 11th September 1813

No 4. of North East Angle for Excavating the Ditches and filling in Rampart. —

300.	90	20	540000	Excavating the Ditch before the Rampart the North and East Fronts. —

200	60	10	120,000	Removing the old Rampart &c to form the Berm round the Cavalier. —
150	30	20	90,000	Excavating the Ditch at the termination of the Second line of works
			Total 750,000	Excavating — — — — — — at 15 Cash ℔ Cub: ft — 3125 — —

Total Star Pagodas — 3125 — —

No 5. at North East angle for forming a Sally Port and two Bridges of Communication. —

116	5.	4	6 2610	Foundation to the Piers of the Sally Port
116	5	3.	1740	Superstructure of Do
56	4	6	1344	Foundation to 4 Piers to the Bridges of Communication from the body of the Place to the Cavalier —

Certified Fort St Lighthouse 11th September 1813

1153

11559

Fort St. George 11th Septr. 1813

48	3	12	1728	Superstructure to 4 Piers to the Bridge of Communication from the Body of the Place to the Cavalier			
28	1	4	448	Foundation to two Piers to the Communication Bridge to the Ravelin			
24	3	20	1440	Superstructure of Do			
	Total	9310		Brick in Chunam	@ 2.70 ₹ Cubt. f	594	30 20
58	2	14 6	1682	Arch work to the Sally Port	@ 6 f. ₹ Do	224	12 "
116	5	"	580	Plastering the Piers of the Sally Port			
58	14 6	"	841	Do the Arch of Do			
	Total	1421		Plastering two Coats of Chunam at 1. 22. 10 ₹ Sq.		21	14 14
12	8	6	"	6. Bearing Beams or Summers at 2 11 70 ea		13	22 40
16	6	1 10	"	40 Fixe Beams at 3 11 70 Ea		130	"
	10	"	1150	A course of 3 inch planks with nail Vz @ 9. 10. ₹ Sq. f		242	35
230	5	"	1150	Side Railing with Ports & Draginal braces @ 8-20 ₹ f		210	37 40
9	8	"	144	Two Sally Port Gates Complete	@ 28. f. ₹ Sq.	39	27 "
				Total Star Pagodas-		1527	434

N°. 6. of North East Angle for Rebuilding the Parapets repairing the Foundation & forming a Ramp up to the Cavalier at the North East Angle. —

130	1	63	9	1012½	Exterior Parapet Wall
1	6	1	63	6	141¾ 18 Counterforts to Dº each
130		2	62	9	893¾ Foundation to Interior Retaining Wall of Parapet
130		2	6	9	1755 Superstructure of Dº
120		2			720 Banquette to Dº
36.	1	6	3	6	756 Cheeks to 4 Embrasures each
18	1	6	4	6	488 Sill to 4 Dº each
	Total — 5766.				Brick in Chunam - - - - - - - - - - - - at 2-70 ₹ bulk foot — 368 4. 30
40	2	6	8	.	800 Repairing the foundation of west face
100	2	6	15		3750 Retaining wall to one Ramp including foundation
36.	1	1			14 Sill to 4 Embrasures each
	Total 4564				Stone in Chunam - - - - - - - - - at 4-10 ₹ bulk ft= 456 18 -

Carried Over Pagodas. 824 32 30

George Town Fort St. George 4th. September 1813

					Brought over Pagodas	824 32.30
180	5	"	900	Plastering the exterior Parapet Wall		
130	7	"	910	D° the interior D°		
120	4	"	480	D° the Banquette		
36	4	"	576	D° Cheeks to 4 Embrasures each		
18	46	"	324	D° Sills to 4 D° each		
	Total 3190			Plastering two Coats of Chunam at 1.22 40 ℔ Sq°		47 38 20
					Total Star Pagodas	872 25 50

1811

Fort St. George 11th September

N° 7 of North East Angle for forming a Cremallier Battery of 3 Guns in the Second Rampart of the East front to defend the South East face of the Bayinge, also lengthining the East flank of the first Tower to northward of Cavalier N° 13 to enfilade the face of the Cavalier and its Cremallier Fausse Braie.

60	1	6 2	9	337½ Exterior Parapet wall to Cremallier Battery
90	2	6 2	9	618¾ Foundation to Interior Parapet Wall of D°
90	2	6	9	1,215 Superstructure of D°
132	1	6 2	9	742½ Exterior Parapet Wall to Flank of Tower to west of Cavalier N° 13. including it joining with the Rampart

1 6 1636 78¾ 10 Counterforts to Do. each
132 2 62 9 907½ Foundation to Interior retaining wall of Parapet to Do.—
132 2 62 9 1782 Superstructure of Do.—
130 2 2 780 Banquette
36 1 63 6 756 Cheeks to Embrasures each
18 1 64 6 486 Sills to 4 Do each
Total 7,704 Brick in Chunam ---------- at 2. 70 ₱ Cub. foot — 492 9

1925 " 960 Exterior Parapet wall to Crenallier Battery and Flank of Tower to west of Cavalier № 13.—
272 7 " 1,564 Interior Do Do Do
130 4 " 520 Banquette do Do

Carried Over Pagodas — 492 9.

1152

Capt. Geo. H. Lightfoot's Bill.

Brought over Pagodas— 492. 9ᶜ.

36 4 " 576 Chunks to 4 Embrasures each

18 4 6 . 374 Sells to 4 Dº each

Total 2,934 Plastering two Coats of Chunam at 1 27. 40 ℔ Sqr ———— 59 36.

Total Star Pagodas— 551 936

Total for the whole reform of the South East Angle — 47,922 36 50

1563

Fort St. George 11th September 1813

No. 17.

Probable Estimate for Rebuilding and Reforming the Delhi Bastion N. Plan No. 13.

213 4 2 1704 Foundation 60 113 feet of North East face & 100 of North west Dº—

213 2 63 2 17040 Superstructure of Dº—

300 4 4 4800 Foundation to Carreaue Flank. 67 of North East face and 80 of North west Dº—

300 2 6 26 19500 Superstructure of Dº—

115 26 21,6 6,1812 Completing East Flank on Foundation already laid

3	6	1	1	52½	Sells to 15 Embrasures each		
		Total	49,277¾		Stone in Chunam - - - - - - - - at 4. 40 ₹ Cubic ft - - - - - - -	4927	34 70
213	9	2		3834	Foundation to 113 feet N. E. face & 100 North Do backing of brick —		
213	6	32		40396	Superstructure of Do —		
8	4	6	30	12,960	12 Counterforts to Do each		
2	0	8	4	9,600	Foundation to concave flank 67 feet of N. E. face 80 of N W. Do —		
300	5	26		39,000	Superstructure of Do		
7	4	30		13,440	16 Counterforts to Do each		
115	2	6	21,	6 618¼	Completing East flank		
5	3	70		2,100	7 Counterforts to Do each		
530	1	63	9	2,981¼	Exterior Retaining wall of Parapet		
1,	61,	63,	6	393¾	50 Counterforts to Do each		
600	2	62.	9	4,175	Foundation to Interior retaining wall of Parapet		
600	2	. 6	9	8,100	Superstructure of Do —		
5003		2	.	3,000	Banquette to Do —		

Carried over Pagodas. 4927 34 70

11826

Copy of Estimate 1813

36	1	63	8	3935	Cheeks to 15 Embrasures each					
18	1	64	6	1872	Sills to 15 Do each					
		Total		15126¾	Brick in Chunam			at 2, 70 ₹ Cubt. foot	9,664	17 52
530	5	"		2,650	Plastering exterior Parapet wall					
600	7	"		4,200	Do Interior Do					
510	4	"		2,000	Do Banquette Do					
36	4	"		2,160	Cheeks to 15 Embrasures each					
18	4	6	"	1,215	Sills to 15 Do each					
		Total		17,225	Plastering two coats of Chunam			at 1, 72,40 ₹ Sq^r	183	16 70
630	1	3		1890	Coreden of Cut Stone			@ 6 ₹ Cubt. foot	252	- -
					Clearing away the old Rampart and excavating the foundation				350	- -
					Filling in the Terreplein & Parapets of Bastion with rammed earth				250	- -
					To constructing of a Sally Port in the concave flank				100	- -
								Total Star Pagodas	15727	24 32

Brought over Pagodas — 4927 31 ₹

11565

Estimate dated 14th September 1813

No 18.

Probable Estimate of Expence of repairing the Sultaun's Battery —

366	15	5.			27450	Removing the old work of plastering				

366	15	5.	,	"	27450	Removing the old work of upper or main Battery at 15 Cash ₹ ft	129	77 70
366	2	2 6	-	-	1830	Rebuilding two upper feet of Dº Stone in chunam at 4. 40 ₹ Dº.	196	- -
366	1	3	-	-	1098	Stone Cordon to upper Battery Dº —— at 4. 40 ₹ Dº.	117	27 -
519	12	.	"	62	28	" Underpinning and pointing to Secure the present Wall of the Fausse braie - - - - - - - - - - at 1- 2. ₹ Dº	93.	17 51
519	2	2 6	-	-	2596	Rebuilding the two upper feet of Dº —		
519	1	3	-	-	1557	Stone Cordon Gower Battery —		
					4157	Stone in Chunam - - - - - - - - - - - - - - at 4- 40 ₹ Dº —	4443	6.
						Constructing new Parapet		
366.	39	16	-	-	20589	Exterior Wall of Parapet to main Battery		
36	1	6 1.6	-	-	1576	20 Counterforts to Dº each.		

Carried Over Pagodas — 974 13 41

Fort St. George 11th September 1813

115%

Brought over Pagodas — 974 13 41

330 29 1 6 " - 13,613 Foundation to retaining wall of Parapet
330 6 92 " " 4,455 Wall above foundation
30 3 6 126 " "
18 5 6 126 " " } 3875 Constructing to Embrasures for upper or main Parapet
519 3 91 6 " - 29,194 Constructing Parapet to Lower Battery exterior wall —
3 61 6 6 " - 2,206 28 Counterforts to Do —
483 2 91 6 " - 19,924½ Foundation to retaining Wall of Parapet
483 6 92 " - 65,206 Wall above foundation
3 6 3 6 1 6 "
18 5 6 1 6 " } - 3,375 Constructing 10 Embrasures —
15 9 2 " - 900 Two rows to Lower Battery

2,73,353

1,164 Deduct for 20 Embrasures

261713 Brick in Masonry - - - - - at 2.70 ₱ foot —— 1791 20 27

1867

Ft. Taylor

Plan of Lower Battery

330	10	6	"	-	19.800	Filling in with rammed Earth at 15 Cash ℣ Do	——	88 16 40

Total Star Pagodas — — 2,354 17. 28.

1358.

№ 19

Probable Estimate of the expence of opining a new sally Port and erecting 2 Bridges of Communication ales Counterscarp & Coverterway leading to the South west Battery from near the Mysore Gate Plan №. 6.

55	19	21	"	-	21,945	Clearing away old work &c		
40	5	4	"	"	2,200	Excavation of foundation		
					24145.	Clearing away old work &c at 15 Cash ℣ foot	——	107 33 15.
110	5	4	"	"	2,200	Foundation of side walls of Sally Port		
110	5	26.	"	"	1,375	Side walls of Do: Do:		
					3,575	Brick in Chunam - - - - -	@ 2. 70 ℣ Do	—— 244 30 10
55	146	1-6	-	-	11,963	Arch work of Do: - - - - -	@ 3-40 ℣ Do	—— 99 28 70

Carried Over Pagodas - 452. 2 15.

Fort St. George 11th September 1813

					Brought over Pagodas		457 2 15	11859
110	5	"	5	50	Two Coats of Chunam to Arch work			
55	136	"	7	976	D° to Arch			
			13	476	Two Coats of Chunam to D° at 1. 22. 10 ℔ D°		20 24 6	
2	464			378	Constructing Stone foundation of Exterior Revetment			
21	3	14		882	Exterior Revetment above foundation			
15	4	656		1195	Foundation of 4 Stone Piers			
26	6	1396		1823	D° above foundation			
				7568	Stone in Chunam	at 4. 40 ℔ D°	810 35 "	
13	8	6			4 Bearing Beams	@ 2. 10. 40 each	90 " "	
14	1	10			3 Tee Beams	@ 30 each	90 " "	
67	6	10		675	A course of 3 Inches thick Plank with nails v^z @ 9. 40 ℔ Sq^re		162 28 40	
67	6	10		675	Side railing with strong Posts adiagonal braces @ 8. 20 ℔ D°		132 24 60	
9	8			144	Two Sally Port Gates with Hooks hinges and Diamond Headed Nails v^z Complete at 28 f^t ℔ Sq^re		96 " "	
250	20	15		75000	Clearing away the Ditch to form the Counterscarp			

70	65.	5	-	-	22,750	Excavation required to form the place of Arms	
376	30	6	-	-	67,680	Do. to form the Covertway leading to S. W. Battery	
					165,630	Total Excavation - - - - - - - - at 15 Cash ℔ foot —	738 28 10
471	3	61	6	-	2472 9	Foundation of retaining wall Covertway	
471	1	92	-	-	6358.6	Retaining wall above foundation	
					3831.3	Stone in Chunam - - - - - - - @ 4. 40 ℔ Sq. Foot	946 8 50
7	6	7	6	-	-	25. Palisades to Covertway & the place of Arms @ 33 fo. each —	196 13 -
450	5	2	-	-	4500	Filling in with rammed Earth Swelling Va @ 15 Cash ℔ foot —	20 3 60
						Bridge Communication leading to S. W. Battery	
15	5	64	-	-	990	Foundation of 3 Stone Piers in Chunam	
26	13	3	-	-	3,042	3 Stone Piers above foundation Stone in chunam - - -	
					2,032	Stone in Chunam - - - - - - at 4-40 ℔ foot —	432 - -
13	1	10	-	-	-	3. Bearing Beams - - - - - @ 5. Pagodas each —	15 - -
12	1	9	-	-	-	20 Tie Beams - - - - - - - - @ 4-21 - each - - -	91 - -
80	49	-	380		-	Side railing with string of rights and Diagonal Braces @ 2-20 ℔ ft.	74 28 -
						Carried over Pagodas —	4,276 43 1

Fort St. George 11th September 1813

					Brought over Pagodas ——	4276	43	1
40	9	"	360	"	a Coarse of 3 Inches Planks with nails &c at 9. 40 ℔ foot ——	81	18	-
40	9	"	360	"	Flooring 2 Inches thick Stone Jelly at 1-17-40 ℔ Sq ——	5	4	16
					Total Star Pagodas	4363	20	17

1511

Fort St. George 11th September 1813

N. 20

Probable Estimate for Completing the Enceinte of the Body of the place at the South West Angle by connecting the inner Rampart of the South face with the Rampart of the South west Face Plan N 6. —

208	4	11	3520	Foundation to exterior Revetment
345	26	31	26737½	Superstructure of Do
390	2.6	3	2.925	Foundation to Counterscarp of Ditch
390	2	14	10.920	Superstructure of Do
103	26		772½	Foundation to interior Revetment of Rampart

103.	2	18	3708	Superstructure of Do.				
	Total	50583		Stone in Chunam - - -

				Brought Over Pagodas ——		13206	43 75.
345.	12	"	4,140	Plastering Parapet			
345	4	"	1,380	Do. Banquette			
	Total		5,520	Plastering two Coats of Chunam - - -	at 1. 22. 40 ₱ Sq.	- -	8236 "
100	20	40	80,000	Excavating the Ditch			
200	14	34	95,200	Clearing away the old Rampart			
100	20	30	60,000	Filling up the Rampart with rammed earth			
	Total		235,200	Remaining with - - - - - - - - -	@ 15 Cash ₱ Cubt. foot	—	980 " "
				Total Star Pagodas		14269	35 55.

1875

Fort St. George

Lt. W. Lightenden R.E.

No. 21.

Probable Estimate of the expence of Constructing the new Bastion B S. W. Face Plan No. 2

				Excavating the foundation & Levelling the Surface of the Rock		300	" "
509	4	4.6	9162	Foundation to exterior Revetment of Bastion Stone facing			
503	2.6	316	39611/4	Superstructure of Do.			

3.6	1	1	31½	Sill to 9 Embrasures each				
			Total 18304¾	Stone in Chunam - - - - - -	@ 4.40 ℔ Cub: ft	——	4,380	21 20
500	1	3.	1,500	Stone Cordon of highly finished Cut Stone @ 9 ℔: - - - - - -			300	— —
509	10	1	1.6 22,905	Foundation to exterior Revetment backing of brick				
503	5.	6	31. 6 87,144¾	Superstructure of Do				
8	9	7.	10 1 6 10,486¾	Foundation to 34 Counterforts to Do each				
7.	75	1	30 6 39,963	Superstructure to 34 Do each				
1971	6	3.	9 2795⅝	Exterior Parapet wall				
1.6	1.6	36.	212⅝	27 Counterforts to Do: each				
497	1.6	2.	9 2,050½	Foundation to interior Parapet Wall				
497	1.10	6.	9 6,150¾	Superstructure of Do: —				
497	2	3	2,982	Banquette to Do: —				
36	1.6	3.	6 1701	Chekk to 9 Embrasures each.				
18.	1.	6	4.6 1,093½	Sills to 9 Do: each				
			Total — 177,484⅝	Brick in Chunam - - - - - -	@ 2.70 ℔ Cub: ft	——	11,339	13 23.
497	5.	.	2,485	Plastering exterior Parapet Wall - - - - -				

Carried over Pagodas. 16,819 34 53

Estimate No. 4 of Sept. 1813

11574

					Brought over Pagodas		16,819	34 53
497	7	"	3,479	Plastering interior Parapet wall				
497	4	"	1988	Do. Banquette				
36	4	"	1296	Do. Cheeks to 9 Embrasures each				
18	4 6	"	729	Do Sills to 9 Do. each				
	Total	99,777		Plastering two coats Chunam	at 1. 22. 40		149	29 2
240	50	30	360,000	Filling in the Terreplein of Bastion and its Parapets with rammed Earth	at 15 Cash ₹ cubic ft		1500	
					Total Star Pagodas		19,469	18 55

1535

Estimate of Repairs &c. 1813

No. 22

Probable Estimate for rebuilding part of the Curtain Wall between Bastion A and B Plan No. 2

240	2.6	20	12,000	Foundation to exterior Revetment Stone Facing			
240	2.6	20	12,000	Superstructure of Do.			
	Total	15,340		Stone in Chunam	at 4-40 ₹ C foot	1584	" "

240	7	6	4	7,200	Foundation to exterior Revetment forming of Stone				
240	4	20		19,200	Superstructure of Do				
6.4	6.6	4.		2799½	Foundation to 17 Counterforts to Do				
5.9	2.10	19.		7,119½	Superstructure of Do				
240	1.6	3.9		1350	Exterior Parapet wall				
1.6	1.6	3.6		133¾	17 Counterforts to Do each				
258	2.0	2.9		1,773½	Foundation to interior Parapet wall				
258	1.10	6.9		3192¾	Superstructure of Do				
258	2	3		1548	Banquette to Do				
	Total			41,317	Brick in Chunam	@ 2.70 ℔	Cub: ft	2,231	16 30
240	5.	"		1,200	Plastering Exterior Parapet wall				
258	7.	"		1806	Do Interior Do				
258	4	"		1032	Do Banquette				
	Total			4038	Plastering two Coats of Chunam	@ 1. 22. 40 ℔	Sq:	60	25 52

Total Star Pagodas 2,475 42 2

Fort St. George 14th September 1813

No 23.

Probable Estimate for rebuilding and reforming the Mysore Gate Battery Plan No 6—

370	2.6	2	1850	Foundation to the Exterior Revetment—
370	20.6	46	42550	Superstructure of Do
100	2	12	2400	Retaining Wall to Ramp including foundation
3.6	1		28	Sells to 8 Embrasures each
	Total		46828	Stone in Chunam . . . . . at 4 - 10 ℔ Cub: foot 4,68236
370	13	2	9620	Foundation to exterior Revetment backing of brick
370	8	48	136160	Superstructure of Do
10	5.6	4.6	50600	20 Counterforts including foundation
100	1.6	12	1800	Retaining Walls to one Ram including foundation
60	1.6	12	900	Paving Do
310	1.6	2.9	1743¾	Exterior Parapet Wall
1.5	1.6	3.6	236½	30 Counterforts to Do each
350	2.6	2.9	2406¼	Foundation to interior Retaining wall of Parapet
350	2.	6.9	4725	Superstructure of Do

Fort St George 1815

350 2. 0.9 1725 Superstructure of Do.

390 3 2. 1740 Banquette including foundation
36 1. 6 3. 6 1512 Cheeks to 8 Embrasures each
18 1. 6 4. 6 972 Sells to 8 Do each
75 3. 6 15 3937½ Rebuilding Counterscarp before the S. E. face —
Total 216352¾ Brick in Chunam - - - - - - - - at 2. 70 ℔ Cub. ft - - - - 13822 21 12
310 5. " 1550 Plastering exterior Parapet wall
350 7 " 2450 Do - enterior Do. —
290 4 " 1160 Do Banquette
288 4 " 1152 Cheeks to 8 Embrasures each
72 4. 6 " 648 Sells to 8 Do. — each
Total 6960 Plastering two Coats Chunam - - - D. 1-22. 40 ℔ Cub. ft - - - - 104 18 "
390 1 3 1170 Cordon of Cut Stone - - - - - - - - D 6 fanams ℔ Cubic foot — 150 " "
210 20 40 168,000 Filling in the Terreplein of Bastion
75 20 40 60,000 Cutting away the Counterscarp of the Ditch before the S. E. face to open it to the fire of the Curtain - - - - - - - - - - }

Total 228000 Removing Earth - - - - - - - - - - - - - at 16 Cash ℔ Cubic foot — 950 " "

Total Star Pagodas — 19715 33 12

Estimate of Fort St. George, 1813

No 23.

Probable Estimate for rebuilding and reforming the Mysore Gate Battery Plan No 6—

370	2.6	2	1850		Foundation to the Exterior Revetment—
370	20.6	46	42550		Superstructure of Do
100	2	12	2400		Retaining Wall to Ramp including foundation
3.6	1		28		Sells to 8 Embrasures each
	Total		46828		Stone in Chunam - - - - - - - - - - - - - - at 4 - 10 ₹ Cub: foot 4,68236
370	13	2	9620		Foundation to exterior Revetment backing of brick
370	8	48	136160		Superstructure of Do
10	5.6	4.6	50600	20	Counterforts including foundation
100	1.6	12	1800		Retaining Walls to one Ram including foundation
60	1.6	12	900		Paving Do
310	1.6	3.9	1743¾		Exterior Parapet Wall
1.5	1.6	3.6	236½	30	Counterforts to Do each
350	2.6	2.9	2406¼		Foundation to interior Retaining wall of Parapet
350	2.	6.9	4725		Superstructure of Do

1877

Copy of Estimate No 23

390	3	2		1740	Banquette including foundation		
36	1	6	3	1512	Checks to 8 Embrasures each		
18	1	6	4	972	Sells to 8 Do each		
75	2	6	15	3937½	Rebuilding Counterscarp before the S. E. face —		
	Total			21635 2¾	Brick in Chunam — — — — — — — at 2.70 ₱ Cubic ft — — —	13822	24 12
310	5	"		1550	Plastering exterior Parapet wall		
350	7	"		2450	Do — interior Do —		
290	4	"		1160	Do Banquette		
36	4	"		1152	Checks to 8 Embrasures each		
18	4	6	"	648	Sells to 8 Do — each		
	Total			6960	Plastering two Coats Chunam — — D. 1-22.40 ₱ Sq ft — — —	104	18 "
390	1	3		1170	Cordon of Cut Stone — — — — — — D 6 fanams ₱ Cubic foot —	150	" "
210	20	40		168000	Filling in the Terreplein of Bastion		
75	20	40		60000	Cutting away the Counterscarp of the Ditch before the S. E. face to open it to the fire of the Curtain — — — — — — — —		
Total				228000	Removing Earth — — — — — — — — — — — at 16 Cash ₱ Cubic foot —	950	" "
					Total Star Pagodas —	19715	33 12

Fort St. George 11th September 1813

No. 24

Probable Estimate for rebuilding and reforming the Bangalore Redoubt Plan No 9.

1819

370	1	4	5,920	Foundation to the exterior Revetment of two faces
370	2.6	36	33,300	Superstructure of Do
285	2.6	34	24,225	Completing the exterior Revetment of the two flanks as already laid
44	2	34	2,992	Completing the Revetment of part of George of redoubt
80	1.1	13	1560	Do Do Do Do
3.6	1	1	24½	Sills to 7 Embrasures each
	Total		68021½	Stone in Chunam - - - - - - - - - @ 4" 40 ₹ Cubic foot 802 6 60
370	3	4	11,840	Foundation to exterior Revetment of the two faces backing of brick
370	4.6	3.6	59,940	Superstructure of Do
6	5.	32	23,940	21 Counterforts to Do including foundation
285	4.6	34	43,605	Completing the exterior Revetment of two flanks

Copy of George IV. Septr. 1813

8	5.	34.	16320	16 Counterforts to Do. each
44	2	34	2992	Completing part of George of Redoubt
6.	3	5	34 2112	3 Counterforts to Do. each
80	1	13	1040	Completing part of George of redoubt.
4	3.	13.	780	5 Counterforts to Do each
620	1.	53.	9 24871/2	Exterior Parapet wall
16.	1.	63	6 4881/4	62 Counterforts to Do each
639.	2.	62	9 [illegible]	Foundation to interior retaining wall of Parapet including its termination —
639	2.	6.	9 8626½	Superstructure of Do. —
570	3.	2	3420	Banquette to Do. including its termination
36	3.	6	1.6 1323	Cheeks to 7 Embrasures each.
18.	4.	6	1.6 850½	Sills to 7 Do. each
	Total		195,187⅛	Brick in Chunam — — — — at 2.70 ₩ Cub. foot — 11,831 20 11
620	5	"	3100	Plastering exterior Parapet Wall — —
639.	7	"	4473	Do interior Do.
570	4	.	2280	Do. Banquette Do

Carried over Pagodas 18,633 2671

1580

Estimate of Light Tender 1813

Brought over Pagodas — 18,633 26 71

36	4	"	1.008	Cheeks to 7 Embrasures each		
18	4.6	"	567	Sills to 7 Do. each		
	Total		11,128	Plastering two Coats Chunam	at 1- 22. 40 ℔ Sq^r	171 18 72
661	1	3.	1,995	Cordon of Cut Stone	at 5 fanams ℔ Cubt. ft	266 - -
160	30	100	480,000	Removing the earth of the old Redoubt for the Revetment of the new faces		
290	6.	40	69,600	Removing 6 feet of the earth of the Redoubt.		
	Total		549,600	Removing Earth	at 15 Cash ℔ 6 foot	2,290 - -

Total Star Pagodas — 21,361 - 63.

1851

Fort St. George

Plan of Defences No 3

N. 25.

Probable Estimate for flanking Battery D 2 of 9 Guns S. W. Angle General Plan —

350	2. 9	1. 6	1,143. 9	Constructing a new foundation for the retaining wall of the parapet	
350	6. 9	1. 10	2,331. 3	Wall above the foundation	
36	3.6	1.6	170 1	Constructing 9 Embrasures —	

			7,476				
			159 ½	Redoubt 9 Embrasures			
		Total	7,316. 7½	Brick work in chunam - - - -	@ 2.. 70 ₹ Cub: ft	——	467 20 23.
350	18	3	18,900	Filling up the Parapet with rammed earth	@ 15 Cash ₹ C. ft	—	78 33 60
					Total Star Pagodas	—	546 9 3

Fort St. George 11th September 1813

Nº. 26.

Probable Estimate for forming two Cremallier Batteries D 1. D 2 of 5 Guns each and the Flanks V V S. W. face General Plan. —

780	2. 6	2.	9 5,362½	Foundation to interior Revetment of Parapet. —			
780	2.	6.	9 10,530	Superstructure of Dº			

1582

35	1	63	6	1890	Cheeks to 10 Embrasures each		
18	1	64	6	1215	Sells to 10 Do. each		
	Total	1899½			Brickk in Chunam - - - - -	@ 2. 70 ℔ C. ft - - - - -	1213 32 65
780	7	"		5460	Plastering exterior Parapet Wall		
36	4	"		1440	Do. Cheeks to Embrasures each		
18	4	6	"	810	Do. Sells to 10 Do. each		
	Total	7710			Plastering two Coats Chunam - - at - 1. 22. 10 ℔ Sf - - -		115 29 20

Total Star Pagoda's 1329 17 5.

No. 27.

Probable Estimate for Repairing and rebuilding part of the main Rampart between Bastion C and the Small Tower towards Bastion B Plan No. 4.

195	4	3	2340	Foundation to part of Exterior Revetment
1907	62	6	10212½	Superstructure of Do.

115783

Fort St. George 11th September 1813

190	3	1	570	Stone Cordon to Do		
	Total		13,122½	Stone in Chunam	@ 4.40 ₱ Cubic foot	1312 11 2
195	6	63	3,802½	Foundation to part of Exterior Revetment / backing of brick		
190	4	321.6	17,361	Superstructure of Do		
6	3	623	4,830	10 Counterforts to Do including foundation each		
190	16	3 9	10,68 3/11	Exterior Parapet wall		
1.6	1.6	3.6	149 5/8	19 Counterforts to Do each		
300	2	6 2.9	2,475	Foundation to interior Parapet wall		
300	2	6 9	4,860	Superstructure of Do		
300	3	2	1,800	Banquette to Do		
	Total		36,347	Brick in Chunam	@ 2.10 ₱ Cubic ft	2322 7 50
190	4	"	760	Plastering exterior Parapet wall		
360	7	"	2520	Do interior Do		
300	4	"	1,200	Do Banquette Do		
	Total		4,480	Plastering two Coats of Chunam	@ 1-22-40	67 9-
170	25	"	4,250	underpinning & painting the old interior revetment	1-22-40 ₱ Sq	63 33 60

Total Star Pagodas — 3765 16 50

Fort St. George 15th September 1813

1158/11

No. 28

Probable Estimate for Completing Parapet of Curtain Wall from Small Tower up to Bastion B—

260	2	9	1	6	7072	0	Reconstructing new foundation for the retaining Wall for thickening the Parapet —			
260	6	9	1	10	3217	0	Wall above the foundation			
					Total	4290	— Brick work in Chunam — — — at 2.70 ₱ C. feet —	274	3	60
260	18	3			14040		Filling in Parapet with Rammed Earth @ 15 Cash ₱ C. feet.	58	22	40
							Total Star Pagodas —	332	26	20

No. 29.

Probable Estimate for Completing the interior revetment of the 2d Rampart of the South and East faces adopted from the Chief Engineer. Earth work being added —

1883	11	2	2		107426		Raising the lower Rampart of the East and South faces			

Copy of Letter from Lt. Colonel Fenwick dated 11th September 1883

135	2 . 6	2 . 6	8,439	New foundations	
135	11 .	7 .	2,970	Superstructure	
			11,239	Stone work in Chunam - - - - -	at 4. 40 - - - - 11,123 40 40
4883	11	15	805,895	Filling in the Rampart with ramined earth @ 15 Cast ℔ 6 foot -	3357 2 65

Total Star Pagodas — 14,480 43 25

1886

Estimate for Splendon 1886

P. 30

Probable Estimate of Rebuilding and reforming the Laboratory Bastion & Ramn No 3 & 4.

390	3	6 4.	5,460	Foundation to the interior Revetment	
390	2.	6. 32.	31,200	Superstructure of Dº	
410	2.	12.	9,840	Covering the Rock at bottom of Revetment facing of Stone	
320	2.	6 4.	8,200	Foundation to interior Revetment of Rampart	
320	2.	16.	10,240	Superstructure of Dº	
80	2.	12.	1920	Retaining Walls to two Ramps including foundation	
306	1	1	31½	Sills to 9. Embrasures each	
	Total	— 6,391½		Stone in Chunam - - - - - - - - -	@ 4-40 ℔ 6 foot — 6,189 6 60

Carried over Pagodas. 6,189 6 60

Brought over Pagodas — 6189 60

390	10	4.	15,600		Foundation to exterior Revetment backing of brick
390	6	4 32.	79,040		Superstructure of Do
8	41.	2 34	24,933	22	Counterforts to Do including foundation
410	2.	12.	9840		Covering the Rock below the Revetment backing of brick
320	3	4.	3840		Foundation to interior Revetment of Rampart
320	1	16	5120		Superstructure of Do
4	3.	20	4,320	18	Counterforts to Do including foundation
80	1	12	1920		Retaining Walls to two Ramps
80	2.	12	1,920		Paving Do
336	1.6	3.9	1390		Exterior Parapet wall
1-6	1-6	3-6.	736½		Counterforts to Do
385	2.6	2-9.	2,612½		Foundation interior Retaining wall of Parapet
380	2.	6-9	5,130		Superstructure of Do including its termination
320	3	2	1920		Banquette to Do

Dept. Ajmere 1st Nov. 1853

36.	1.	6	3.	6	1701	Cheeks to 9 Embrasures each		
18	1	6	4	6	1093½	Sells to 9 Do. each		
	Total				16,116½	Brick in Chunam - - - - - - at 2.70 ₹ Cubic ft	10,293	24 75
336		5	"		1,680	Plastering exterior Parapet Wall		
380		7	"		2,660	Do. interior Do.		
320		4	"		1,280	Do. Banquette Do.		
36		4	"		1296	Cheeks to 9 Embrasures each		
18		4	6	"	729.	Sells to 9 Do. each		
	Total				7,645	Plastering two Coats of Chunam - - at 1.72.10 ₹ Sq.	114	30 30
130		40	45		234,000	Cutting away the Rock Removing the old Rampart		
100		30	45		135,000	and filling in the Rampart of the new Bastion		
130		30	45		175,500			
	Total				544,500	Removing Earth and Rock - - - at 15 Cash ₹ 6 foot	2,268	33 60
390	1		3.		1170	Cordon of Cut Stone - - - - at 6 Jan. ₹ Cubic foot	156	" .
							"	. -
						Total Star Pagodas	19,022	5 65

Copy of the Estimate 1813

No 31.

Fort Gratiot 11th Septr 1843

11589

Probable Estimate for forming an Interior Revetment to the Rampart at the North West Angle where Ditch of Cavalier No 1 occurs Plan No 2.—

200	2.	6 7	3,500	Completing part of the Revetment on foundation already laid
100	2	3.	600	Foundation to part of revetment of old ramp. t of north face.—
100	2	24.	4,800	Superstructure of Do
530	2	3.	3,180	Foundation to Revetment
530	2	17	18,020	Superstructure of Do—
	Total		30,100	Stone in Chunam - - - - - at 4 - 10 ₱ cubic foot — 3,010
100	5	3.	1,500	Foundation to interior Revetment of Rampart on North face —
100	2	24.	4,800	Superstructure of Do—
5.	3½	24 =	2,100	5 Counterforts to Do each
530	4	3	6,360	Foundation to Revetment
530	1.6	17.	13,513	Superstructure of Do—
4	3	20	7,200	30 Counterforts to Do including foundation

Total			35,475	Brick in Chunam - - - - - - at 2. 70 ₱ C foot		2,266	20 50
630	4	3.	7,560	Excavating foundation for Revetment			
780	12	20	187,200	Filling in the Rampart with rammed earth -			
Total			194,70	Filling on Earth - - - - - - - - -	@ 15 Cash ₱ C foot	811	22 40
				Total Star Pagodas		6,087	13 10

No. 32.

Probable Estimate for repairing the Rampart of the Fauxe Braie of South west face between Bastion C. and South West Angle General Plan—

475	8	28	95,200	Removing the Breaches and excavating the foundation			
110	10	5.	5,500	Do. old Fauxe braie Near Bastion C 3.—			
110	20	20	44,000	Do. old Rampart and filling in the new rampart & Parapet			
148	8	10	11,840	Do. the Rampart near the South west angle			
	Total		156,540	Removing Earth - - - - - - - - -	@ 15 Cash ₱ C foot	652	11 20
				Carried over Pagodas—		652	11 20

Fort St. George 11th September 1813

Brought over Pagodas — 652 11 20

475	7	4	31,100	Foundation to Fauss braie
475	7	20	17,000	Superstructure of Do —
40	7	4	320	Foundation to flank to hold two Guns
40	7	20	1,600	Superstructure of Do —
3.6	1	1	7	Sell to 2 Embrasures to flank
100	2.6	11	7,250	Completing the exterior revetment near the S. W. angle
3.6	1	1	7	Sells to 2 Embrasures to Do —
Total 25,084				Stone in Chunam at 4 - 4 to 7 P Cubic foot — — — — — 2,508 18 —
475	6	4	8,500	Foundation to Fauss braie
475	2	20	17,000	Superstructure of Do
655	7	5.6	7,705	Interior Revetment to part of Fauss Braie including foundation
475	3	6	7650	Parapet Wall to Fauss braie
475	2	2	1,700	Banquette to Do
40	5	4	800	Faundation to flank of Fauss braie

Estimate of Stone Work required for the Fort of Gheriah 1816

1611

40	2	20	1,600	Superstructure of Do.—
340	3	6	6,120	Parapet to Fausse braie near Bastion C 3.
340	2	2	1,360	Banquette to Do
25	1.6	3.9	110 5/8	Exterior Parapet wall to Flank
40	7.6	2	600	Interior Do. including foundation
148	2	8.	2,368	Interior Revetment to Fausse braie near S. W. angle —
84	1.6	7	882	Exterior Parapet wall to Do. —
5.	61	1.6	3.9 315	
140	2	7.	1,960	Interior Do. including foundation
24	3.6	1.6	504	Cheeks to 4 Embrasures
12	4.6	1.6	324	Sills to 4 Do.
70	2.6	3.	735	Parapet to part of Fausse braie near the S. W. angle.
	Total	59,763 5/8		Brick in Chunam _ _ _ _ _ _ _ at 2.70. ₱ Cft. —— 3,313 10 34.
425.	13.6	"	5,737 1/2	Plastering Exterior Parapet of Fausse braie
425.	3.	"	1,275	Banquette to Do
340	13	"	4,420	Do. to Parapet near Bastion C3.
340.	3.	"	1,020.	Banquette to Do.

Carried over Pages 2 and —— 6,978 39 54

Brought over Pagodas - 6,978 39 54

25	5	"	125	Esterior Parapet wall to flank			
40	7	"	280	Interior Do			
84	7	"	588	Plastering Esterior Parapet wall of Fauşe braie			
56	5	"	280	near S. W angle			
140	7	"	980	Do interior Do			
24	4	"	384	Plastering Cheeks to 4 Embraisures each			
12	4.6	"	216	Do Sells to 4 Do each			
70	12	"	840	Do Parapet near S. W. Angle			
	Total 16,143			Plastering two Coats - - - - -	at 1- 22 to 72 Sq	242	8 17
810	1	3.	2430	Cordon to Fauşe braie in Chunam	at 2-70 72 6 foot	155	11 20
1320	24.	"	31,680	Underpinning and pointing the old esterior revetment of Fauşe braie and recuring its foundation at 1- 21. 72 Sq - - -		464	28 64

Total Star Pagodas - 7,840 42 75

1793 Fort St. George 11th. September 1793

No. 33.

Probable Estimate for forming a new Counterscarp to the Ditch of the Second line of works of East Face South of Bangalore Gate on a Medium height of 17 feet.

1,416	18	20	509,760	Removing the earth for new Counterscarp @ 15 Cash ₹ Cfoot	— 2,124 — —
1,416	3	17	72,216	Revetment to Counterscarp brick in Chunam @ 2.70	— — — 4,61336 —

Total Star Pagodas — 6,73,736

No. 34.

Probable Estimates for Rebuilding the Breaches, repairing the Rampart and removing three Towers of the inner line of East face.

No. 1 for rebuilding the Breach at 214 feet South of Bangalore Gate removing the adjoining Tower and repairing the foundation of Rampart also rebuilding the Escarp of the Ditch round the Tower at the S. E. Angle.

70	5	25.	8,750	Removing the Earth of the Breach. —

Fort St. George 4th September 1813

1150

25	40	25	25,000	Removing the adjoining Tower			
110	30	10	33,000	Do. the old scarp round the small Tower at the S. E. angle —			
	Total		66,750	Removing Earth - - - - - - - - - - @ 15 Cash ℔ Cub'. foot —	278	5	50
95	2	22	4,180	Rebuilding the Rampart of breach and in rear of Tower			
110	2	6 18	4,950	Do. the Escarp round the small Tower at S. E. angle -			
	Total		9,130	Stone in Chunam - - - - - - - at 4. 40 ℔ Cub foot —	913	-	-
95	2	22	4,180	Rebuilding the Rampart of Breach and backing of brick			
95	3	16	1,282½	Parapet to Do.			
110	1	18	1,980	Rebuilding escarp round the small Tower at S. E. angle backing of brick			
	Total		7,442½	Brick in Chunam - - - - - at 2. 7.0 ℔ C foot - - - -	475	22	15
95	12	"	1,140	Plastering the Parapet with two coats Chunam at 1-22-40 ℔ Sq. ...	17	4	40
600	10	"	6,000	Underpinning and pointing the Parapet & repairing its foundation in various places - - - - - - - - @ 1-21 ℔ Sq —	88	-	-
				Total Star Pagodas -	1771	32	25.

No. 2 for rebuilding the Breach of 12 feet North of Bangalore

Copy of Estimate No. 1 for repairing the Breach &c. 1795

11595

Gate and repairing the inner Bangalore Gate Battery —

116	8	34	23664	Removing the Earth of Breach - - at 15 Cash ℣ Cub foot ——	98	27	~
116	2	31	7192	Rebuilding the Breach facing of Stone. at 4-10 ℣ Cub foot —	719	9	~
116	2	31	7192	Do.. Do backing of brick			
116	3	1-6	1566				
	Total		8758	Brick in Chunam - - - - - @ 2.70 ℣ Cub foot ——	559	24	20
116	12	"	1392	Plastering the Parapet both Sides with two coats at 1-22-40 ℣ Sq —	20	37	52
240	20	"	4800	underpinning and pointing the inner Bangalore Battery and repairing its foundation in various places @ 1-21. ℣ Sq - -	70	18	~

Total Star Pagodas — 1468 27 68

No 3. for removing the Two Towers north of Bangalore Gate and underpinning and pointing the Adjoining Rampart —

58	32	38	60800	Removing the Two Towers - - - - - @ 15 Cash ℣ Cft —	253	15	~

Carried over Pagodas — 253 15

Draft of Letter dated 11th September 1813

				Brought over Pagodas —		253. 15	-
50	2	25.	2500	Rebuilding the Curtain facing of Stone . . .	at 4. 40 ℔ C foot —	250	- -
50	1 g	26	2187½	D°.	D°. backing of brick		
50	3	46	675	Parapets			
	Total		2862½	Brick in Chunam - - - - -	at 2. 70 ℔ Cub foot —	192	39 55
50	12	-	600	Plastering Parapet - - - - -	@ 1. 22. 40 ℔ ☐ft - - - - -	9	- -
200	10	-	2000	Underpinning and pointing the Rampart in various places @ 1. 21 ℔ ☐ft		29	15 -
				Total Star Pagodas -		724	24 55

N° 4 for rebuilding a breach at 430 feet north of Bangalore Gate —

70	6	28	11760	Removing the Breach - - - - -	at 15. Cash ℔ Cub foot —	49	- -
70	2	25	3500	Rebuilding the Curtain Stone facing	@ 4 - 40. ℔ ☐ft - - - - -	95	- -
70	119	25.	3062½	D°. - - - - -	D°. backing of brick		
70	3.	4.	6 945	Parapet			
Total -			4007½	Brick in Chunam - - - - -	at 2. 70 ℔ Cub foot —	256	1 45.

Capt. H. Goodfellow's Estimate dated 1st September 1813

70	12	"	840	Plastering the Parapet two Coats	@1- 22.40 ℔ Sqr	—	12 27 .
60	10	"	600	Underpinning and pointing the foundation	@1- 21- ℔ Sqr	—	836 "
					Total Star Pagd	—	676 19 45

N°. 5. for rebuilding the Breach at the unfinished Bastion N. E. Angle.

80	6	30	14,400	Removing the Breach	@ 15 Cash ℔ Cubfoot	—	60 " "
80	2	27	4320	Rebuilding the Curtain facing of Stone	@1- 40 Cash ℔ Dº	—	432 " "
80	1,9	27	3780	Dº	Dº Caulking of brick		
80	3	4. 6	1,080	Dº	Parapet		
	Total		4860	Brick in Chunam	@2- 70 ℔ Cubfoot	—	310 22 40
80	12	"	960	Plastering the Parapet two Coats	@1- 22- 40 ℔ Sqr	—	114 18 "
					Total Star Pagodas	—	816 40 40

Total for the whole of the Rampart of inner line of E. Face Pagodas — 5,458 9 73.

Estimate No. 1 of Fortifications Sept. 1813

No. 35.

Probable Estimate for building a new Counterscarp to the Ditch of the Second Line of East Face of North of Bangalore Gate on a Medium height of 17 feet Section No. 10.—

1859

972	18	20	349920	Removing the Earth for new Counterscarp @ 15 Cash ℔ Cub foot	——	1,458	~	~
972	3	17	49572	Revetment to Counterscarp Brick in Chunam at 2.70		3,167	4	40
				Total Star Pagodas—		4625	4	40

Forth. 4th September 1813

No. 36.

Probable Estimate for forming the Ford Battery L. at the North East angle to Contain Nine Guns Plan No. 12.—

168	2	2	672	Foundation to exterior Parapet Wall	
100	1.6	4	6	675.	Superstructure of Do.
16	1.6	4	6	101½	10 Counterforts to ℔ - - - - Do. including foundation

204	2	6	2.9	1,402½	Foundation to Interior Retaining wall of Parapet
204	2	8		3,264	Superstructure of Do.
120	3	2		720	Banquette to Do.
36	16	3.6		1,701	Cheeks to 9 Embrasures each
18	16	4.6		1,093½	Sells to 9 Do. each
	Total			9629¼	Brick in Chunam - - - - - - - at 2.70 ℔ Cub foot — 615 9 8
100	6	~		600	Plastering exterior Parapet wall
204	8	~		1,632	Do. interior Do.
120	4	~		480	Do. Banquette
36	4	~		1,296	Cheeks to 9 Embrasures each
18	4.6	~		729	Sells to 9 Do. each
	Total			4737	Plastering two Coats of Chunam - - - at 1-22.40 ℔ Sq[r] - - - - - 71 2 38
36	1	1		31½	Sells to 9 Embrasures each Stone in chunam @ 4.40 - - - - - - - - 3 6 60
					Filling in the Parapet with rammed Earth and raising and building the Terreplein Battery - - - - - - - - - - - - - - - - } 50 - -

Total Star Pagodas — 739 13 26

Fort St. George 11th September 1813

No. 37.

Probable Estimate for reforming the two Batteries Z Z. in the Bosy of the Place between the Delhi Bastion and the North East angle General Plan. —

145	5	16	11,600	Excavating foundation for Revetment of both Batteries at 15 Cash ₹ C.ft		48 15	—
145	4.	6 5	3,262½	Foundation to Revetment of both Batteries			
145	2.	6 22.	7,945	Superstructure of Do.			
3	6	1	1	24½ Solls to 7 Embrasures			
	Total		11,262	Stone in Chunam - - - - - - - - -	at 4-10 ₹ C.ft. foot	— 1126	9
145	5	5	3,625	Foundation to Revetment of both Batteries Backing of Brick			
145	4	4 22	13,823½	Superstructure of Do.			
7	5	5	1575	Foundation to 9 Counterforts each			
6	3½	20	3,600	Superstructure of 9. Do. each			
90	1	6 3.9	506¼	Exterior Retaining wall of Parapet			
1.6	1.6	3.8	70⅞	9 Counterforts to Do. each			
258	1.6	2.9	899¼	Foundation to Interior Retaining wall of Parapet			
258	1.6	6.9	2,207¼	Superstructure of Do. including its termination			

Fort William 1st September 1813

154	2	3	924	Banquette including foundation			
3	6	1	6 3 6	1383	Chutts to 7 Embrasures each		
18		1	6 1 6	858/p	Sells to 7 Do. each		
			Total	29,404⅜	Brick in Chunam - - - -	@ 2.70 ₹ Cubfod - - - -	1878 27 46
90	5		"	450	Plastering exterior Parapet wall		
218	7		"	1526	Do. Interior Do.		
154	4		"	616	Do. Banquette to Do.		
36	4		"	1008	Chutts to 7 Embrasures each		
18	46		"	567	Sells to 7 Do. each		
			Total	4,167	Plastering two coats of Chunam - -	@ 1. 22. 410 ₹ Sq. - - - -	62 2258
135	1	3		435	Cordon of Cut Stone - - - -	@ 6 fs. ₹ Cubfoot - - - -	58 -
95	10	72		83,600	Filling in Rampart with rammed Earth		
120	3	6	18	7,560	Do. Parapets		
95	3	20		5,700	Removing the old Rampart		
			Total	96,860	Filling in Earth - - - - - - - - -	@ 15 Cash ₹ angle ——	403 2620
						Total Star Pagodas -	3577 10 44

Fortification Estimate 1813

No 38.

11603

Probable Estimate for forming a Cremalliere Battery of 3 Guns in the main Rampart West of Delhi Bastion and repairing the 2d Tower West of Dº to hold one Gun for defending the N. W. Face of proposed new Delhi Bastion –

100	2.6	29.	687½	Foundation to Interior retaining wall of Parapet of Cremalliere battery
100	2.	6.9	1,350	Superstructure of Dº
60	1.6	3.9	337½	Exterior Parapet wall to Dº
1	1.6	3.6	47½	Counterforts to Dº each
60	3	2	360	Banquette to Dº
10	1	6 3 0	630	Cheeks to 3 Embrasures each
20	1	6 5	450	Sills to 3 Dº each
44	1.6	4.	264	Completing the Interior Parapet wall of Tower Nº 2 to west of Delhi Bastion
40	3	2	240	Banquettes to Dº
36	1	6 3 6	189	Cheeks to 1 Embrasures
18	1.6	46	121½	Sill to 1 Dº

Total — 4676¾ Brickt in Chunam - - - - - @ 2. 70. ₩ Cub foot - - - 293 35. 52

Capt. J. Goldfinch Commg. 11th R. Sappers & Miners 1843

100	7	"	700	Plastering the Interior Parapet wall of Cremalliere battery	
60	5	"	300	Do Exterior Do	
60	4	"	240	Do Banquette to Do	
10	4	"	480	Cheeks to Embrasures each	
20	5	"	300	Sells to 3 Do each	
44	5	"	220	Do Interior Parapet wall of Tower No 2 to west of Delhi Bastion	
40	4	"	160	Do Banquette to Do	
36	4	"	144	Cheeks to 4 Embrasures Do	
18	4 6	"	81	Sells to 4 Do	
	Total	2625		Plastering two Coats of Chunam @ 1/2 22 210 ℔ Sq	39 16 70
30	20	2	1200	Removing the Earth & Levelling the Terreplein of Tower No 2.	
60	18	36	3780	Filling in the Parapet of Cremalliere battery	
	Total	11980		Removing Earth @ 15 Cash ℔ Cubfoot	20 33 60

Total Star Pagodas. 358 41 22

Fort St. George 11th September 1815

W. Kelly Major

No. 39

Probable Estimate for removing the two Two Towers East and West of Delhi Bastion and rebuilding the Adjoining Breach —

110	30	24	79,200	Removing the Two Towers	
310	8	6	11,880	Do. the breach East of Delhi Gate.	
150	18	6	16,200	Do. the breach West of Do.	
	Total		1,10,280	Removing Earth - - - - - - - - at 15 Cash ₹ Cub foot	459 2240
110	2	6	4. 1100	Foundation to Curtain in rear of the two Towers	
110	2	6	20 5,500	Superstructure of Do.	
150	2		15 4,500	Rebuilding Breach West of Delhi Bastion	
	Total		11,100	Stone in Churnam - - - - - @ 4. 10 ₹ Cub foot	1110 —
290	1	3	870	Stone Cordon to Curtain in rear of Towers to Breach west of Delhi Gate }	at 16 Jannams - - - - - 110 —
110	7	6	4. 3,300	Foundation to Curtain in rear of the Two Towers	
110	4		20 8800	Superstructure of Do.	
6	3	4.	24. 2880	6. Counterforts to Do. each including foundation	
150	2		15. 4,500	Rebuilding Breach west of Delhi Bastion	
3	2	6	15. 900	3 Counterforts to Do. each -	

1165

Fort St. George 11th Oct. 1813

310	-	3	8	8.	7440	Rebuilding Breach East of Delhi Bastion		
310		3.		1.	930	Brick Cordon to Do.-		
260		1.	6	3. 6	1462½	Exterior Parapet wall to new Curtain		
16		1.	6	3. 6	201¾	76 Counterforts to Do. each		
110		2.	6	2. 9	736¼	Foundation to Interior Retaining wall of Parapet -		
110		2.		6 9	1485	Superstructure of Do.—		
119		3		2.	660	Banquette of Do.—		
		Total			33118¾	Brick in Chunam - - - - - - at 2. 70 ₹ Cub foot - - - - -	2115	4055
310		9.		"	2790	Plastering Exterior Revetment of Breach East of Delhi Gate -		
260		4		"	1040	Do. exterior Parapet wall to new Curtain		
110		7		"	770	Interior Do. to new Parapet		
110		4		"	440	Banquette to Do. -		
		Total			5040	Plastering two Coats of Chunam - - - @ 1-72-40 ₹ Sq.—	75	27 -
800		3		12	28800	Filling in Parapet and rampart with Earth @ 15 Cash ₹ C ft — —	120	- -

Total Star Pagodas - 3997 - 15.

Estimate Exhibited in Page 11th of Explanation 1813

No 40

Probable Estimate for repairing the Battery P near the Mysore Gate by rebuilding its Parapet and forming a Ramp up to it from the body of the Place. Plan No 8.

20	15	3	900	repairing the foundation of Rampart	
171	2	2½	670	Foundation to Retaining walls of Ramp	
62	2	20	2480	Superstructure of Do	
3	6	1	38½	Sills to 11 Embrasures each	
	Total		4038½	Stone in Chunam	@ 4. 10 ₱ Cubic foot — 403. 38 20
124	2	2½	620	Foundation to Retaining walls of Ramp backing of brick	
62	1	20	1240	Superstructure of Do	
332	1 6	3. 9	1867½	Exterior wall of Parapet	
1.6	1.6	3.6	259 7/8	33 Counterforts to Ditto each	
260	2.6	2.9	1787½	Foundation to Interior Retaining wall of Parapet	
260	2	6 9	3640	Superstructure of Do	
214	3	2	1284	Banquette including Foundation	

Estimate of Repairs to Battery P

1801

36.	3.6	1.6	2,079	Cheeks to 11 Embrasures each			
18	4.6	1.6	1336½	Sills to 11 Do. each			
36	3.6	1.6	189.	Retaining wall to extremities of Parapet			
	Total		14173⅜	Brick in Chunam - - - - -	@ 2.70 ₱ Cub foot	- - -	905. 23 36
214	5	"	1070	Plastering exterior retaining wall of Parapet			
260	7	"	1820	Do. Interior Do.			
214	4	"	856	Do. Banquette			
332	7	"	2324	Do. Top of old revetment			
36	4	"	1584	Cheeks to 11 Embrasures each			
18.	4.6	"	891	Sills to 11 Do.	Do.		
36.	4	"	144	Retaining wall to extremities of Parapet			
	Total		8,689	Plastering two Coats of Chunam - -	@ 1.72.40 ₱ Sq.r	=	130 15. 6
300	36	18.	18.900	Filling in the Parapet with rammed Earth -			
45.	7.	38	11,970	Do. in the Terreplein of redoubt			
	Total		30870	Filling in earth. - - - - - - - - -	@ 15 Cash ₱ Cft.r	=	128 28 10
13x	30	"	41.10	underpinning and pointing the exterior Revetment in rear = ans.r plans @ 1.71. ₱ Sq.r			60 12 48.

Total Star Pagodas 1.628 27 40

11608

Fort St. George 11th September 1813

№ 41

Probable Estimate for forming a Sally Port through the Rampart in rear of Bastion C Plan № 3.

110	5	4	2,200	Excavating foundation for Piers of Sally Port at 15. Cash ℔ Cub foot	9	7 40
110	5.	4. 6	2175	Foundation to Side Piers		
110	5.	3.	1,650	Superstructure of Side Piers		
	Total	4,125	Brick in Chunam	@ 2.70 ℔ Do	263	24 30
55	14. 6 2.		1595	Arch work to Sally Port @ 6 ℔ Do	212	30
110	5.	"	550	Plastering the Piers		
55	14 6	"	797½	Do. the Arch		
	Total	1347½	Plastering two Coats	@ 1. 22. 40. ℔ Sq.	29	9 45.
9.	8.	"	"	Two Sally Port Gates Complete	96	"
				Total Star Pagodas —	601	26 35.

Fort St. George 1st September 1813

№ 42.

Probable Estimate for repairing the Lozenge work U at the North East Angle of the Fort Plan № 12.

110	29.	11	3,327½	Rebuilding part of the George of Lozenge			
3.6	1	1	14	Sills to 4 Embrasures each			
	Total		3,341½	Stone in Chunam	@ 4. 10. ₱ Sq. foot		334 6 60
110	2	5.	1100	Rebuilding part of Gorge			
100	1	6 3 9	562½	Exterior Parapet wall to East face			
1.6	1	6 3 6	78¾	10 Counterforts to Do. each			
130	2	6 2 9	993¾	Foundation to Interior Parapet wall			
130	2	6 9	1755	Superstructure of Do.			
100	2	3.	600	Banquette to Do.			
36	36	1.6	756	Cheeks to 4. Embrasures each			
18	4.6	1.6	1486	Sills to 4. 2 Do. each			
	Total		6232	Brick in Chunam	@ 7.70 ₱ Do.		398 7 -
110	6.6	"	715	Plastering brick work of Gorge			
100	5	"	500	Exterior Parapet wall of East face			
130	7	"	910	Interior Do Do			
100	4	"	400	Banquette to Do			
36	4	"	576	Cheeks to 4. Embrasures each			

Carried over Pagodas. 732 13 60

				Brought Over Pagodas		732	13 60
18.	4.	6	324	Sells to 4 Embrasures each			
	Total		3125	Plastering two Coats of Chunam	@ 1. 22. 40 ₱ Sq.	51	16 70
190	10	12	22800	Removing Earth to open the Gorge			
130	4	18	9360	Filling in Parapets with rammed Earth			
	Total		32160	Filling in rammed Earth	@ 15 Cash ₱ C. foot	134	- -
10	10			One new Bridge to Lazerga		30	- -
				Total Star Pagodas		967	30 50

Fort St. George 11th September 1793

P. 43.

3 Probable Estimates of removing three Towers and rebuilding a Breach in the Second Rampart of East Face —

40	25.	35.	35000	Removing the Tower	@ 15 Cash ₱ Cub foot	145.	37 40
40	2	22.	1760	Rebuilding the Curtain facing of Stone	@ 4-40 ₱ Do	176.	- -

40	1.6	22.	1320	Do.	Do. backing of brick		
40	3.	3.	360	Parapet to Do.			
	Total		1,680	Brick in Chunam	@ 2.70 ℔ Cubfoot	107.	15 -
40	9	"	360	Plastering the Parapet two Coats	@ 1 22. 40 ℔ Sqr	5	18 .
50	30	"	1,500	underpinning and pointing the adjoining Rampart	@ 1.21. ℔ Sqr	22	- .
					Total Star Pagodas —	456	25 40

No 2 for rebuilding a breach @ 120 feet north of Bangalore Gate

100	8	52	41,600	Removing the Earth of breach	@ 15 Cash ℔ Cubfoot.	173	15 .
100	2	50	10,000	Rebuilding the Curtain facing of Stone	@ 1- 40. ℔ Do	1,000	. .
100	2.6	50	12,500	Do.	Do backing of brick		
100	3	3.	900	Parapet to Ditto			
	Total		13,400	Brick in Chunam	@ 2. 70 ℔ Cubfoot	856.	5 -
100	9.	"	900	Plastering the Parapet two Coats	@ 1- 22. 40 ℔ Sqr	13	22 40
					Total Star Pagodas -	2,042	42 40.

116/2

Estimate of Repairs &c. Septr 1813

N.o 3 for removing the Two Towers North of Bangalore Gate.

60	22	24	31680	Removing the two Towers	at 15 Cash ₹ Cubic ft	132	- -
62	2	20	2480	Rebuilding the Curtain facing of Stone	at 4. 40 ₹ Do	240	- -
60	1.6	20	1800	Do	Do backing of brick		
60	3	3	540	Parapet to Do			
		Total	2340	Brick in Chunam	@ 2. 70 ₹ Do	149	22 40
60	9	"	540	Plastering the Parapet two Coats	@ 1 22. 40	8	4 40
				Total Star Pagodas		529	27 "

Total for the whole Rampart of Secon. L. . . 3029 5 "

Ports. from N.o 1 to Plan N.o 3 1813

N.o 44.

Probable Estimate for forming two Curtain Batteries East and west of Mysore Gate Bastion and removing the two adjoining Towers Plan N.o 6.

14	16	3½	784	Repairing the foundation of the Rampart of west Battery			

15	10	3	450	Do.	Do	Do of East Do	
36	2	24	4,728	Rebuilding the Curtain behind the Tower west of Bangalore Gate			
45	1	8	360	Covering the rock at foundation of Do			
26	2	19	988	Rebuilding Curtain behind Tower last of Bangalore Gate			
80	1	10	800	Repairing the rock at foundation of Do			
3	0	1	1	3½	Sills to 9 Embrasures each		
		Total	5741½	Stone in Chunam	@ 4	10	7/ Cub foot — 574 6 60
386	2	6	2	9	2,247½	Foundation to Interior retaining wall of Parapet	
350	2	6	9	4,725	Superstructure of Do		
350	1	6	3	9	1,968¾	Exterior Parapet wall to Do	
1	6	1	6	3	6	275⅝	35 Counterforts to do each
314	3	2				1884	Banquette including foundation
36	1	6	3	6		1701	Cheeks to 9 Embrasures each
18	4	6	1	6		1093½	Sills to 9 Do each
36	3	6	1	6		189	Retaining walls to Extremities of Parapets
36	1	6	24			1296	Rebuilding Curtain behind Tower west of Bangalore Gate

Carried over Pagodas. 574 6 60

					Brought over Pagodas		514 6 60
76	1	6	19	741	Rebuilding Curtain between Tower East of Bangalore Gate		
		Total		16321 3/8	Built in Chunam @ 2. 78 ₹ Cubic foot		1042 33 78
350	7			2450	Plastering Interior Parapet wall		
350	5			1750	Do Exterior Do		
312	4			1256	Do Banquette		
311	1			1296	Cheeks to 9 Embrasures each		
18	1	6		729	Sills to 9 Do each		
36	4			144	Retaining walls to extremities of Parapet		
		Total		7625	Plastering two Coats @ 1-22. 40. ₹ Sq.		114 16 70
346	1	6	18	22428	Filling in Parapet with rammed Earth		
35	35	25		49000	Removing the Two Towers adjoining		
		Total		71428	Removing with @ 15 Cash ₹ Cub. foot		297 27 60

Total Star Pagodas — 1963. 4026

No. 45.

Probable Estimate for forming the Flank R. R. of Inner Line East of Laboratory Bastion by adding a Parapet and widening and connecting its Rampart with that of the Laboratory Bastion Plan No. 8. —

100	6.	2½	1500	Repairing the foundation of the rampart	
214	3	4.	2,928	Foundation to Interior Revetment of Rampart	
240	2	12	5,760	Superstructure of Ditto	
30	2	8	480	Retaining wall of Ramp including foundation	
3.	81	1	17p	Sells to 5 Embrasures each	
	Total		10685½	Stone in Chunam - - - - - @ 4 - 10 ₱ Cub foot	1068 24 60
214	3	4	2,928	Faundation to Interior Revetment of Rampart	
240	1	12.	2,880	Superstructure of Dº —	
15	3	4.	2,880	10 Counterforts to ditto including foundation	
30	1	8	240	Retaining wall of Ramp including foundation	
102	1.6	3.9	573¾	Exterior. Parapet wall	
1.6	1.6	3. 6	78¾	10 Counterforts to Dº including foundation	
120.	2.6	2.9	825.	Foundation to Interior retaining wall of Parapet -	
120.	2.	6.9	1620	Superstructure of Dº	

Carried over Pagodas — 1068 24 60

Fort St. George 11th September 1813

Fort St. George 11th September 1813

Brought over Pagodas. 1,068 24 60.

3	6	1.63.6	915.	Checks to 5 Embrasures each		
18		1.64.6	607½	Solls to 5 Do. each		
82	3	2	1192	Banquette including foundation		
30	2	15	900	Paving Ramps		
		Total	11,970	Brick in Chunam - - - - - @ 2.70 ℔ Cubfoot ——	956	18 60
120	7	"	840	Interior retaining wall of Parapet		
102	5	"	510	Exterior Do. Do.		
36	4	"	720	Checks to 5 Embrasures each		
18	4	6 "	405	Solls to 5 Do. each		
82	4	"	328	Banquette including foundation		
		Total	2,803	Plastering two Coats of Chunam - @ 1.22.40 ℔ Sq. ——	42	2 2
260	38	12	118,560	Filling in Rampart with removed Earth		
177	5	12	10,620	Do. Parapet		
		Total	129,180	Filling in Earth - - - - - - - @ 15 Cash ℔ Cub foot ——	638	11 20
				Total Star Pagodas	2,605	11 62

No. 46.

Probable Estimate for forming the flank S S of 2 Line by adding a Parapet and widening its Rampart also removing the Small Cavalier in rear of its Plan No. 8.—

38	1	63	9	213¾	Exterior Parapet wall		
1.6	1.6	3.6		31½	4 Counterforts to Do. each		
73	2	62	9	501¾	Foundation to Interior Parapet wall inclusing its termination		
73	2	6	9	985½	Superstructure of Do		
36	1	63	6	378	Cheeks to 2 Embrasures each		
12	1	64	6	243	Sills to 2 Do each		
47	3	2		282	Banquette inclusing foundation		
		Total		2,635½	Brickt in Chunam ——— @ 2.70 ₹ Cubfoot	168	17 5
60	2	38		1,080	Interior Revetment of Rampart inclusing foundation		
36	2	1		288	Retaining wall to Ramp		
3.6	1	1		7	Sills to 2 Embrasures each		
		Total		1,375	Stone in Chunam ——— @ 4-40 ₹ Do ———	137	2240
					Carried Over Pagodas	305	39 45

Fort St. George 14th September 1813

11618

Brought over Pagodas - 1,069 24 60.

3	6	1.63.6	945.	Cheeks to 5 Embrasures each	
18		1.64.6	607½	Sills to 5 Do. each	
82	3	2	492	Banquette including foundation	
30	2	15	900	Paving Ramp	
	Total		14,970	Brick in Chunam - - - - @ 2.70 ₱ Cubic foot ——	956 18 60
120	7	"	840	Interior retaining wall of Parapet	
102.	5.	"	510	Exterior Do Do	
36	4	"	720	Cheeks to 5 Embrasures each	
18	4	6 "	405	Sills to 5 Do. each	
82	4		328	Banquette including foundation	
	Total		2,803	Plastering two Coats of Chunam - @ 1.72.40 ₱ Sq. - - - -	42 2 2
260	38	12	118,560	Filling in Rampart with removed Earth	
177	5	12	10,620	Do. Parapet	
	Total		129,180	Filling in Earth - - - - - - @ 15 Cash ₱ Cub foot ——	638 11 20

Total Star Pagodas - 2,605 11 62

Fort St. George 11th September 1813

№ 46.

Probable Estimate for forming the flank S S of 2 Line by adding a Parapet and widening its Rampart also removing the Small Cavalier in rear of its Plan № 8.—

38	1	63	9	213¾	Esterior Parapet wall		
1	6	1.6	3.6	31½	4 Counterforts to Dº. each		
73	2	62	9	501¾	Foundation to Interior Parapet wall inclusing its termination		
73	2	6	9	985½	Superstructure of Dº		
36	1	63	6	378	Sheets to 2 Embrasures each		
12	1	64	8	243	Sills to 2 Dº each		
47	3	2		282	Banquette inclusing foundation		
		Total		2,635½	Brickt in Chunam	@ 2.70 ₹ Cubfoot	168 17 5.
60	2	38		1,080	Interior Revetment of Rampart inclusing foundation		
36	2	4		288	Retaining wall to Ramp		
3	6	1	1	7	Sills to 2 Embrasures each		
		Total		1,375	Stone in Chunam	@ 4-40 ₹ Dº	137 2240

Carried Over Pagodas 305 39 45.

Fort St. George 11th September 1813

Fort St. George 1813

Brought over Pagodas — 305 39 45

38	7	"	266	Exterior Parapet wall	
73	7	"	511	Interior Do Do	
17	1	"	188	Banquette	
36	1	"	288	Cheeks to 2 Embrasures each	
18	1 6	"	162	Sills to 2 Do : each	
	Total	1415		Plastering two Coats of Chunam @ 1-22-10 ₱ Sq^r	21 10 10
140	30	11 p	15180	Removing the small Cavalier & filling in the Rampart with rammed Earth @ 15 Cash ₱ C^t foot	63 11 20

Total Star Pagodas 390 15 75

No. 47.

Probable Estimate for Cutting down the large Square Flag Staff Cavalier to the 2d Breast and Constructing new Parapets General Plan.—

100	1	11	1210	Repairing part of the foundation of its North & West face
66 2	7½		990	Retaining wall to Part of its Ram including foundation
3 6	1	1	28	Sills To 8 Embrasures each —

			Total 2,228	Stone in Chunam - - - - - - -	@ 4. 10 ℔ Cub ft		22236
66	1	7½	495	Retaining wall to part of Ramp backing of brick			
290	1	6 3	9 1631½	Exterior Retaining wall of Parapet			
1	6	1 6	3 6 228⅜	29 Counterforts to ditto			
310	2	6	2 9 2131½	Foundation to Interior retaining wall of Parapet			
310	2	6	9 4,185	Superstructure of Dº			
36	1	6	3 6 1,512	Cheeks to 8 Embrasures each			
18	1	6	1 6 972	Sills to Dº Dº each			
250	3	2		1,500 Banquette to Dº			
			Total 12,654½	Brick in Chunam - - - -	@ 2. 70 ℔ cub foot		808 2261
290	5	"		14,50. Plastering exterior Parapet wall			
310	7	"		2,170 Dº. Interior Dº			
250	4	"		1,000 Dº Banquette to Dº			
36	4	"		1,152 Dº Cheeks to 8 Embrasures each			
18	4	"		576 Dº Sills to 8. Dº each			

Carried over Pagodas — 1,031 13 61

Fort St. George 11th September 1813

Brought over Pagodas ——— 1031 13 61

Total 6,348 Plastering two Coats of Chunam at 1r. 22. 10 ℔ Sqr ——— 95 9 72

72 11 72 57,024 Removing the Earth to the Second Breast and filling in the Parapet @ 15 Cash ℔ Cupout ——— 237 27.

Total Star Pagodas — 1364 5 53.

Fort St. George 11th September 1813

No. 48.

Probable Estimate for repairing the S.E. Angle Bastion of the Fort St. George adjoining the Flank and Completing the Rampart round it to that of the Flank N.E. Plan No. 8.

100	4	6	4	1800 Foundation to exterior Revetment of East and part of west flank
90	2	6	31	6975 Superstructure of Do.
25	2	6	18	1125 Rebuilding part of west flank including foundation from a height of 2 feet
390	2	4		3120 Foundation to Interior Revetment of Rampart
305	2	12		9,240 Superstructure of Do.
70	2	4		560 Foundation to retaining wall of Gorge of Cavalier

70	2	22	3,080	Superstructure of Ditto
110	2	13	2860	Retaining wall to ramp including foundation
3	6	1	1	31½ Sells to 9 Embrasures each
			Total 28791½	Stone in Chunam - - - - - @ 4-10 ₱ Cubfoot - - - - - 2879 6 60
100	7	6	4	3,000 Foundation to exterior Revetment of East & part of west flank
90	6	31	16740	Superstructure of Do
25	2	6	18	1175 Completing part of west flank including foundation
8	11	82	5720	5 Counterforts to East and west flanks including Do
390	3	4	4,680	Foundation to Interior Revetment of Rampart
385	1	12	4620	Superstructure of Do
4	3	15	4,500	25 Counterforts to Do including foundation
430	3	2	2,580	Banquette to Rampart
70	4	4	1120	Foundation to Revetment of Gorge
70	2	22	3,080	Superstructure of Do
4	3	22	528	2 Counterforts to Do including foundation
110	1	13	1,430	Retaining walls to Ramp including foundation

Carried over Pagodas — 2,879 6 60

Fort St. George 11th September 1813

Brought over Pagodas – 2879 6 60

125	1	6	2	9	703½	Exterior Retaining wall of Parapet –			
1	6	1	6	3	6	9½	12	Counterforts to D° inclusing foundation	
202	2	6	2	9	1388¾	Foundation to Interior Retaining wall of Parapet –			
202	2		6	9	2727	Superstructure of D°			
160	3		2		960	Banquette inclusing foundation			
36	1	6	3	6	1701	Chucks to 9 Embrasures each			
18	1	6	1	6	1093½	Sills to 9 D° each			
55	2	15			1650	Paving the Ramp			
					Total 58,840⅞	Brick in Chunam – – – – – –	@ 2-70 ₹ Cub.ft	– – – –	3759 12 41
195					695	Plastering exterior Parapet wall			
202	7				1414	D° Interior D°			
160	4				640	D° Banquette			
36	4				1296	Chucks to 9 Embrasures each			
18	46				729	Sills to 9 D° each			
					Total 4704	Plastering two Coats of Chunam	@ 1- 22. 40 ₹ Sq	– – – – –	70 25 16

Contd. to Abstract No 3

1123

370	12	28	124320	Filling in Rampart with rammed Earth	
160	36	16	10,080	Do Parapet	
56	25	34.	47,600	Do Cavalier	
			Total 182,000	Filling in Earth - - - - - @ 15 Cash ℔ Cubpost - - -	738 15 ~

Total Star Pagodas 7467 14 37

No 49

Probable Estimate for repairing the two Curtain Batteries North and South of Bangalore Gate

Battery Plan No 9.—

3	61.	1	38½	Sills to 11 Embrasures each Stone in Chunam @ 4. 40 ℔ C post - - -	3 38 20
460	1.6	2	9 2587½	Exterior Retaining wall to Parapet	
2	6 1.6	1.6	362½	46 Counterforts to Do each	
460	2. 6	2.9	3162½	Foundation to Interior Retaining wall of Parapet	
460	2	6.9	6,210	Superstructure of Do	
380	3	2 .	2280	Banquette to Do	

Carried over Pagodas 3 38 20

Fort St. George 11th September 1813

							Brought Over Pagodas	—	3 38 20	
36	1	6	3	6	2,079	Cheeks to 11 Embrasures each				
18	1	6	1	6	1936½	Sill to 11 Do. each				
					Total 18,017¾	Brickt in Chunam	@ 2. 70 ₱ Cub foot		1151 6 2	
469	5				2,300	Plastering the exterior retaining Parapet wall				
460	7				3,200	Do Interior Do				
380	4				1520	Do Banquette and Step				
36	4				1584	Cheeks to 11 Embrasures each				
18	4	6			891	Sills to 11 Do. each				
					Total 9,575	Plastering two Coats of Chunam	@ 1. 22. 40 ₱ Sqr.		142 32 50	
416	3	6	18		26,208	Filling in Parapet with rammed Earth	@ 15 Cash ₱ Cub foot		109 9 —	

Total Star Pagodas. 1406. 1072

No. 50

Probable Estimate for repairing the inner Rampart of South Face—

11625

Fort St. George the 5th September 1813

No 1 for repairing the foundation of the Rampart and underpinning and pointing its exterior Revetment in Various places.

100	15	2	3,000	Repairing the foundation of Rampart between S - E
120	5	2	1200	Angle of Flank O.3 —
20	5	2	200	Do between Flank O 3. and Laboratory Bastion
190	10	2	3800	Do West of Laboratory Bastion
50	15	2	1500	Do at 80 feet East of Mysore Gate
35	6	2	420	Do @ 80 feet West of Mysore Gate Battery P
10	10	2	200	Do near the S. W. angle —
	Total 11,220			Stone in Chunam - - - - - @ 1- 40 ℔ Cub foot - - - - 1122 - -
200	20	"	4,000	Underpinning and pointing the Rampart in various places @ 120 ℔ Sq. 58 30 -
500	5	"	2,500	Plastering the Parapet in Various places at 1- 22. 40 ℔ Do - - - 37 2240

Total Star Pagodas 1218 ℔ 40.

Fort St George 11th September 1813.

No 2 for Completing the revetment across the Arch of the
Inner Mysore Gate and filling in the Rampart.

23	2	6	20	1150	Completing the exterior Revetment at both Sides of the Gate		
18	2	6	15	675	Do interior Do Do Do		
		Total		1825	Stone in Chunam - - - - - @ 4 40 P Cub foot - - -	182	22 40
73	3	10		2190	Completing the revetment across the Arch way including Parapet		
48	3	3	6	504	Rebuilding the Parapet East and west of Gateway		
121	3	2		726	Banquette including foundation		
		Total		3420	Brick in Chunam - - - - - @ 2.70 P Cub ft - -	218	22 40
73	19	"		1387	Plastering Revetment across Archway		
48	10	"		480	Parapet East and west of Gateway		
120	4	"		484	Banquette to Do		
		Total		2351	Plastering two Coats of Chunam @ 1- 22. 40 P Sq - - -	35	11 74
15	30	10		13500	Filling in Rampart with Earth @ 15 Cash P cub foot - -	56	11 20
121	3	1		363	Stone Cordon - - - - - - @ 6 Fa. P Do - - - -	48	18

Total Star Pagodas — 510 41 14.

Total for the whole of Inner Rampart of South face Star Pagodas — 1759 3 34.

No. 51

Probable Estimate for repairing the Second Rampart of South Face.

No. 1. For removing the Tower between the S. E. angle and Flank G 3. and rebuilding part of the Flank G 2. from foundation

28	26	24	17472	Removing the Tower			
15	6	20	1800	Do. the Angle of Flank G 2			
	Total	19272		Removing Earth	@ 15 Cash p foot		30 15 40
28	2	21	1176	Building Rampart in rear of Tower			
15	2	18	540	Do. the Angle of Flank G 2.			
	Total	1716		Stone in Chunam	@ 4. 40. p Do.		171 27 -

Carried over Pagodas 251 40 10

1828 Fort St. George Sept. 1st 1813

				Brought Over Pagodas		251	40 20
28	1	6	21	882	Rebuilding the Rampart in rear of Tower backing of brick		
15	1	6	18	405	Do angle of Flank No 2		
28	3		4	336	Parapet to Curtain in rear of Tower		
	Total			1,623	Brick in Chunam @ 2.70 ₱ C foot	103	31 10
28	11	"		308	Plastering Parapet two Coats @ 1.22.40 ₱ Sq	4	27 72
					Total Star Pagodas	360	9 1/2
30	18	6		3240	for rebuilding a Breach at 300 feet west of myaone Gate Battery underpinning & pointing the Rampart in various places		
30	6	18		3,240	Removing the Breach @ 15 Cash ₱ Cub foot	13	22 40
30	2	15		900	Rebuilding the Rampart Stone facing @ 1. 10 ₱ Sq	90	
30	1	6	15	675	Rebuilding the Rampart Stone backing of brick		
30	3	4		360	Parapet to Do		
	Total			1,035	Brick in Chunam @ 2:70 ₱ Cubfoot	66	5 50
30	11	"		330	Plastering Parapet two Coats @ 1. 22. 10 ₱ Sq	4	12 60

Fort St. George 11th September 1813

430	20	"	8,600	Underpinning and pointing the Parapet in various places at 1-21	126	0 -
				Total Star Pagodas —	300	31 70
				Total for the whole Rampart of 2d Line South face Star Pagodas -	660	41 32

No. 52

Probable Estimate for repairing the South West face between Bastion C 3 and South West Angle —

36.	2	9	2.3	759	Rebuilding Breach at 100 feet East of Bastion C 3 —	
90	2	6	15	3,375	Rebuilding part of the Flank in rear of Bastion C 3.	
125.	1		10	1,250	Repairing the Rampart in various places damaged by Shot —	
		Total		6,374	Stone in Chunam - - - - - @ 4 - 10 P Cub foot —	637 18 -
90	1		15	1,350	Rebuilding part of Flank in rear of Bastion C 3 casting brick	
90	3		3.6	945	Parapet to D°	

Carried over Pagodas — 637 18.

Fort St. George 1st September 1813

					Brought over Pagodas	—	637	18
36	3	3	6	378	Parapet to Rampart over Gate			
12	3	3	6	126	Do to breach 100 feet East of Bastion C 3			
100	3	2		600	Repairing to Parapet in various places			
	Total	3399			Brick in Chunam @ 2.70 ℔ Cub foot	—	2177	10
36	10	"		360	Plastering Parapet over the Gate			
12	10	"		120	Do Do to breach @ 100 feet East of Bastion C 3			
90	10	"		900	Do to Flank of Rampart in rear of Bastion C 3			
	Total	1380			Plastering two Coats of Chunam @ 1 22.40 ℔ Sqr	—	20	31 40
2346	10	"		23,100	Underpinning and pointing the rampart in various places @ 1.21 ℔ Sqr		213	9
36	5	15		2,700	Removing the Earth of breach over Gate			
12	8	26		2,496	Do at 100 feet East of Bastion C. 3			
Do	6	16		8640	Do of Flank of Rampart behind Bastion C. 3			
Total	13,836				Removing Earth @ 15 Cash ℔ Cub ft	—	57	29 20
					Total Star Pagodas		1,276	4 70

1811

Fort St. George 11th September

11633

Fort St. George Sept. 1813

P. 53.

Probable Estimate for repairing the Fausse braie Rampart of the North face by rebuilding the breaches in its exterior and Interior Revetments and underpinning and pointing the exterior Revetment in various places.

120		6	22	15840	Removing the Earth of three Breaches @ 15 Cash ₱ C ft	—	66 —
20		2	3	120	Foundation to Breach opposite the Delhi Gate		
20		2	16 6	660	Superstructure of Do		
20		2	3	120	Foundation to Breach west of Delhi Gate -		
20		2	16.6	660	Superstructure of Do		
80		2	3	480	Foundation to breach west of Sultaun Battery		
80		2	18 6	2960	Superstructure of Do		
		Total		5,000	Stone in Chunam - - - - - @ 4-40 ₱ Do - - - - - - - -		300 - -
20		4	3	240	Foundation to breach opposite Delhi Gate Casting of Brick		
20		1	6 16.6	495	Superstructure of Do		
20		4	3	240	Foundation to breach East of Delhi Gate Do		
20		1	6 16.6	495	Superstructure of Do Do Do		

Carried Over Pagodas - 466 - -

					Brought over Pagodas — 568 — —		
80	4	3	960	Foundation to Breach west of Sultaun Battery			
80	1.6	18.6	2220	Superstructure of Dº —			
120	3	1 6	1620	Parapets to the above Breaches			
300	2	10	6000	Rebuilding the Interior Revetment of Rampart in various places			
	Total		12,270	Brickt in Chunam —	@ 2 70 ℙ Cubº —	733 41 20	
120	12	"	1440	Plastering the Parapets of the Breaches			
100	5	"	500	Dº the old Parapet in various places			
	Total		1940	Plastering two Coats of Chunam —	at 1 22 40 ℙ Sqr —	29 4 40	
44	50	10	44500	underpinning and pointing the exterior Parapet in various place recurring its foundation — — — — — — — — —		652 30 —	
					Total Star Pagodas	2,031 : 30 60	

No 34.

Probable Estimate for rebuilding two breaches in the Main Rampart of North Face and underpinning and pointing its exterior Revetment and recurring its foundation in Various places —

20	8	20	3,200	Removing the Earth &c of two Breaches at present built up			
70	8	25	14,000	with Saw Stone			
130		Total	17,200	Removing Earth - - - - - - - - - at 15 Cash ₹ Cub ft —		71	30
20	2	3	120	Foundation to Breach West of Sultaun Battery at present			
				built up with Saw Stone —			
20	2	16 6	660	Superstructure of Do —			
70	2	3	420	Foundation to Breach at 60 feet East of Delhi Gate —			
70	2	21.6	3011	Superstructure of Do —			
	Total		4,210	Stone in Chunam - - - - @ 4. 10 ₹ Cub ft - - - - -		421	-
20	5	3	300	Foundation to Breach West of Sultaun Battery basting of brick			
20	1	6 16 6	495	Superstructure of Do —			
70	6	3	1,260	Foundation to Rampart at 40 feet East of Delhi Gate —			
70	1	.6 21.6	2257½	Superstructure of Do —			
95	3	4.6	1,282½	Parapets to the above —			
100	4	3	1,200	Repairing the Old Parapet in various places —			
	Total		6,795	Brick in Chunam - - - - @ 2. 70 ₹ Cub ft - - - - -		434	5 50.

Carried Over Pagodas 926. 35 50

11634

Fort St. George 1813

The Sultaun's

					Brought over Pagodas —	92635	50
200	12	"	2400	Plastering the Parapets of breaches & of old Do in various places at 1 22 40		36	..
3207	15	"	48105	Underpinning and pointing the Rampart and repairing its foundation in various places at 1 22 40 ₱ Sqr.		721	2570
					Total Mar Pagodas	10814	1640

No. 55.

Probable Estimate for forming the two Batteries 02 in the Fausse braie of North face and Completing the unfinished Revetment of part of the Fausse braie near the East Battery 02 General Plan.—

120	2	5	1200	Completing the unfinished Revetment of Fausse braie
140	2	3	840	Foundation to Interior Revetment of both Batteries
140	2	9	2520	Superstructure of Do

11635

Fort St. George

Plan III. Sq. Plan dated 1813

48	2	3	288	Foundation to two Ramps			
24	2	9	432	Superstructure of Do			
	Total		5280	Stone in Chunam	at 4. 10 ℔ Cub f	528	~
50	1	5	600	Completing the unfinished part of Fause braie backing of brick			
140	1	6	3 630	Foundation to Interior Revetment of Rampart of both batteries			
140	6	9	630	Superstructure of Do			
48	1	3	144	Foundation to 2 Ramps backing of brick			
1	1 6	3 9	843¾	Exterior Parapet wall including the unfinished part of Fause braie			
1	6 1	6 2	118½	15 Counterforts to do each			
100	1 6	2 9	412½	Foundation to Interior retaining wall of Parapet			
100	2	6 9	1350	Superstructure of Do			
35	3	2	210	Banquette to Do			
40	3 6	1 6	840	Cheeks to 4 Embrasures each			
20	5	1 6	600	Superstructure of Do			
	Total		6378⅜	Brick in Chunam	@ 2. 70 ℔ Cub f	407226	
150	5	~	750	Plastering exterior Parapet wall			
100	7	~	700	Do interior Do			
					Carried over Pag f	935 2266	

116 36

Fort St. George 1813

Lt. Col. Pollander

					Brought Over Pagodas		935.2266
35	4	"	140	Plastering Banquette			
40	4	"	640	Cheeks to 4 Embrasures each			
20	4	"	320	Sills to 4 Do Do			
			2508	Total Plastering two Coats of Chunam	@ 1-27.40 P Sq		38 11 20
					Total Star Pagodas		973346

P. 56.

Probable Estimate for forming a new Inner Covertway on the East face North of Bangalore Gate General Plan.—

572	4	20	41600	Removing the Old Covertway	@ 15 Cash P Cub. f		173 15
572	1	2	2600	Foundation to retaining wall of Covertway			
520	1	6	5265	Superstructure of Do			
320	3	2	3120	Banquette to Do			
96	2	2	960	Foundation to Retaining walls of two Traverses each			
96	1	6	1872	Superstructure of Do			

1911

Estimate "A"

Sept. 1913

60	3	2	360	Banquette to Do—			
			Total 11177	Brickk in Chunam	@ 2·70 ℘ Do	— — — — —	905 33·70
520	7	"	3640	Plastering Retaining wall of Coverlway			
520	4	"	2,080	Do Banquette to Do—			
96	7	"	1911	Do Retaining walls to Two Traverses each			
60	4	"	240	Do Banquette to Do			
			Total 7301	Plastering two coats of Chunam	@ 1-22 to ℘ Sq ft	—	109 25 16

Total Star Pagodas 1,188 29 6.

No 57.

Probable Estimate for forming a new Second Coverlway to the East face North of Bangalore Gate General Plan.—

450	1	8	14,400	Excavating foundation to Coverlway	@ 15 Cash ℘ Cub ft	—	60 " "
450	2	2	6 2750	Foundation to retaining wall of Coverlway			
1,150	1	6	6 9	4556½	Superstructure of Do—		

Carried Over Pagodas — 60 " —

Copy Sent to Engineer 11th September 1813.

11638.

					Brought Over Pagodas	60	~ ~
450	3	2	2700		Banquette to retaining wall of Covertway		
96	2.	2.6	960		Foundation to retaining walls of two Travers each		
96	1.6	6.6	1872		Superstructure of Do.		
60	3	2	360		Banquette to Do.		
		Total	12698½	Brick in Chunam	@ 2.70 ℔ Cub.f	311	12 37
450	7	~	3150		Plastering retaining wall of Covertway		
450	4	~	1800		Do. Banquette to Do.		
96	7	~	1344		Do. retaining walls to 22 Travers each		
60	3	2	360		Do. Banquette to Do.		
		Total	6534	Plastering two Coats of Chunam	at .1.22.40 ℔ Sq.	98	~
					Total Star Pagodas —	969	12 73

1639

Fort St. George

"A" Estimate 1813

No. 58.

Probable Estimate for forming the North end of the 1st. Glacis of East face behind the Fort Battery I. into a Place of Arms by lowering its Terreplein and rebuilding the Parapet of its East face Plan No. 12.

170	2.6	2.9	1168¾	Foundation to retaining wall of Parapet	
170	2	7	2380	Superstructure of Do—	
170	1	3	1530	Banquette to Do—	
	Total		5078¾	Brick in Chunam @ 2 70 ₹ Cub ft.	324-21.32
170	8	"	1360	Plastering retaining wall of place of Arms	
170	4	"	680	Do Banquette to Do—	
	Total	"	2040	Plastering three Coats of Chunam @ 1-22.40 ₹ Sq—	30 27 4
200	40	8	64000	Removing from the place of the Arms @ 15 Cash ₹ Cub ft—	266.30

Total Star Pagodas — 6213332

No. 59.

Probable Estimate for forming a new inner Coverture on the East face South of Bangalore Gate General Plan.

1140	5	20	114000	Removing the Earth of the Old Coverture

1140.0

Fort St. George

W. H. Lightfoot 1813.

85	45	6	22950	
54	21	4	5184	Removing the ruins of the three Barbette Batteries
58	24	6	8352	
	Total		150486	Removing Earth @ 15 Cash ℔ Cub. ft. ——— 627 1/10
1/40	2	2 6	5700	Foundation to Retaining wall of Caseway
1/40	1	6 6 9	11542	Superstructure of Do
1/40	2	3	6840	Banquette to Do
96	1	6 6 6	3744	Superstructure of Do
96	3	2	720	Banquette to Do
	Total		30466	Brick in Chunam @ 2. 70 ℔ Cub ft. ——— 1946 2/15
1/20	7		7980	Plastering Retaining wall of Causeway
1/40	6	"	4560	Do Banquette to Do
96	7	"	2688	Do Retaining walls to 4 Traverses each
120	4	"	480	Do Banquette to Do

Estimate of Stone Work in the Three Barbette Batteries 1843

Total	15708			Plastering two Coats of Chunam	@ 1	22.40 ℘ Sq^{r}	235.27 72
						Total Star Pagodas	2809 0 17

P. 60

Probable Estimate for forming a new inner Coverture way to the South face and removing and levelling the Second Coverture way.—

7390	1	20	191,200	Removing the Earth of the Old Coverture way			
2,000	3	25	7,50,000	D^{o} and Levelling the 2^{d} Coverture way			
	Total		441,200	Removing Earth	@ 15 Cash ℘ Cub ft		1838 15 -
7390	2	26	11,950	Foundation to Retaining wall of Coverture way			
7390	1	66.9	24,198 3/4	Superstructure of D^{o}			
7390	2	3	14,340	Banquette to D^{o}			
96	2	2.6	2880	Foundation to Retaining wall of Traverses each			
96	1.6	6 6	5616	Superstructure of D^{o}			
180	2	3	1080	Banquette to D^{o}			
	Total		60,064 3/4	Brick in Chunam	2.70 ℘ Cub ft		3337 21 12
2390	7	"	16,730	Plastering retaining wall of Coverture way			
2390	4	"	9,560	D^{o} Banquette to D^{o}		Carried over Pagodas	5,675 36 12

George Ill^{d} 4th September 1813

				Brought over Pagodas	5.675 36 12
96	7	"	4,032	Plastering Retaining walls to 6 Traverses each	
180	4	"	720	Do Banquette to Do	
		Total	3,012	Plastering two Coats of Chunam @ 1. 22. 20 ℔ Sq	465 28 28
				Total Star Pagodas.	6141 19 40

No 61

Probable Estimate for forming a Place of Arms and Coverture before the Gorge of the Redoubt rebuilding the Outer Coverture on the South West of Do and removing and levelling the Second Coverture of Do Plan No 6.

1140	5	10	57,000	Removing and levelling the 2d Coverture
1140	5	25	177,500	Do the Old outer Coverture
350	5.	50	87,500	Do for the places of Arms
		Total	322,000	Removing Earth @ 15 Cash ℔ Cubic ft 1,341 30 -
1,420	2	2.6	7,100	Foundation to place of Arms and Coverture

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1420	1. 6	6. 9	14377	₱	Superstructure of Do		
1420	2	3	8520		Banquette to Do		
80	2	2. 6	2080		Foundation to 5. Traverses each		
90	1. 6	6	4680		Superstructure of 5 Do each		
150	2	3	900		Banquette to Do		
	Total	37977	₱	Brick in Chunam	@ 2. 70	₱ Cub ft	2426 15 25
1420	1		5680		Do Banquette to Do		
1480	7	"	9360		Retaining wall to Traverses		
150	4.	"	600		Banquette to Do		
	Total	19580		Plastering five Coats of Chunam	@ 1. 22 40	₱ Sq ft	2933 40

Total Star Pagodas 4061 31 65

Rangoon 11th September 1813

No. 62

Probable Estimate for forming a Place of Arms and Covertway before the Bangalore redoubt also two Coverttways before the North and South Flank of the Bangalore Gate Battery 1 and a Barrier Gate to the Sunter of the East face Plan No. 9.

253	2	6	2	1,753	Foundation to Retaining wall of Salient place of Arms.	
253	2	:	10,3	5277½	Superstructure of Do.	
950	2	2	6	4,750	Foundation to Coverttway and revetment place of Arms	
950	1	6	7	9975	Superstructure of Do.	
					Foundation to Coverttway before the flanks of Bangalore	
300	2	2	6	1500	Gate Battery	
300	1	6	4	1800	Superstructure of Do.	
1205	2	2	8	6370	Banquette Do.	
				Total 33375	Brick in Chunam	@ 2.70 ₱ Cub ft 7132 11 15.
1205	8	"		9,640	Plastering retaining walls of Place of Arms	
300	5	6	"	1,650	Do. of Coverttway before the North and South flank of	

1145

North Front

Plan No. 13

Bangalore Gate Battery

1,350	4	"	5,580	Do.	Banquette &c—			
	Total	16,870		Plastering two Coats of Chunam	@ 1-22-40 ℔ Sq.		253	2 20
270	7	35	13,650	Removing the Earth and levelling the Salient Place of Arms				
400	7	60	16,000	Do	Do	Do. Rentrant Do		
350	7	90	17,500	Do	Communication on N. E. S. Flank of Bangalore Gate Battery			
	Total	52,150		Removing Earth	@ 15 Cash ℔ Cost		2,700	28 10
15	10	"	"	One Barrier Gate Complete to Sorte			127	— —

Total Star Pagodas— 4,712 44 75

No 63.

Probable Estimate for forming a Banquette to the Second Rampart of East face —

1620	3	3	14,580	Banquette including foundation Brick in Chunam	@ 2. 70. ℔ C. ft	931 22 40
1620	5.	"	8,100	Plastering the Banquette two Coats	@ 1-22-40. ℔ Sq.	121 22 40

Total Star Pagodas- 1,053 " —

Fort St. George 11th Septr. 1819

No. 62.

Probable Estimate for forming a Place of Arms and Covertway before the Bangalore redoubt also two Covertways before the North and South Flank of the Bangalore Gate Battery 1 and a Barrier Gate to the Sentrie of the East face Plan No. 9

255	2.	6	2.9	1,753	Foundation to Retaining wall of Salient place of Arms.	
255	2	:	10.3	5277½	Superstructure of Do	
950	2		2.6	4750	Foundation to Coverture and Revetment places of Arms	
950	1	6	7	9975	Superstructure of Do	
300	2		2.6	1500	Foundation to Coverture before the flanks of Bangalore Gate Battery	
300	1	6	4	1800	Superstructure of Do	
1375	0	4		5370	Banquette Do	
Total 33375					Brick in Chunam @ 2.70 ₱ Cub ft	7132 14 15.
1705	8			9640	Plastering retaining walls of Place of Arms	
300	5.	6		1,650	Do of Coverture before the North and South flank of	

11645

Lt. Col. Garstin's Estimate

No. 13

Bangalore Gate Battery

1,350 4 " 5,580 Do Banquette Do —

Total 16,870 Plastering two Coats of Chunam @ 1-22-40 ₱ Sq^r . . . . . 253 2 20.

270 7 35 13,650 Removing the Earth and levelling the Salient Place of Arms

400 7 60 16,000 Do — Do — Do Rentrant Do

350 7 90 12,500 Do Coverway on N.E. I. flank of Bangalore Gate Battery

Total 52,150 Removing Earth @ 15 Cash ₱ Cft^t . . . . . 2,700 28 10.

15 10 " " one Barrier Gate Complete to Sortie . . . . . 127 — —

Total Star Pagodas — 4,712 4475

No 63

Probable Estimate for forming a Banquette to the Second Rampart of East face —

1620 3 3 14,580 Banquette including foundation Brick in Chunam @ 2. 70. ₱ C. f — 931 22 40

1620 5 " 8,100 Plastering the Banquette two Coats — — — @ 1. 22. 40. ₱ Sq^r — 121 22 40

Total Star Pagodas - 1,053 " —

116 46 1

Fort St. George, 1st September 1819

No. 64

Probable Estimate for forming a Banquette to the 2d. Rampart of South face.—

2700	3	3	24300	Banquette including foundation Brick in Chunam	@ 2.70 ₹ C ft	1552	22 40
2700	.5	"	13500	Plastering Banquette two Coats	@ 1. 22. 40 ₹ Sq ft	202	22 40
					Total Star Pagodas	1755	

No. 65

Probable Estimate for forming a Banquette to the South West Face between Bastion C and South West Angle

2250	3	3	20250	Banquette including foundation Brick in Chunam	@ 2.70 ₹ C ft	1793	33 60
2250	.5	"	11250	Plastering the Banquette two Coats	@ 1. 22. 40 ₹ Sq ft	168	33 60
2250	6	3	40500	Removing the earth from back of Parapet	@ 15 Cash ₹ C ft	168	33 60
					Total Star Pagodas	1631	11 20

1755

Pagodas

1913

N°66

Probable Estimate for forming a Banquette to the North Face —

Removing the Earth from behind the Parapet @ 15 Cash —		320	31 40
Banquette including foundation brick in Chunam @ 2.70 ₱ C ft =	1344	1	10
Plastering Banquet two Coats @ 1-22.40 ₱ Sq ft —		240	23 30
Total Star Pagodas —		2405	11 20

N°67

Probable Estimate for building up the Escarp of Ditch of the second Line of Works on the East face North of Bangalore Gate Section N° 10. —

Removing the Rock at the bottom of two Traverses			
Cutting away Rock — — @ 20 Cash ₱ ft		30	630
Carried over Pagodas		30	630

11th 8th

Sept. 1st

Sept. 1st

				Brought over Pagodas —		30630 ~
740	2	2.	2,960	Facing of Stone to foundation		
				Stone Berm to Escarp		
				Stone in Chunam — — —	at 4. 40 ₱ Cub ft — — — —	1406 ~ ~
				Foundation Backing of Brick		
				Escarp Superstructure		
				Brick in Chunam — — —	at 7 70 ₱ 10ᵐ — — — —	3545 3740 ~
740	3	25	92,500	Filling in earth to back of Escarp at 15 Cash ₱ 10ᵐ — — —		385 1860
				Cutting away the Rock and Clearing the foundation		
				Total Star Pagodas		53143 41 20

No. 68

Probable Estimate for building up the Escarp of the Delek of the Second Line of works — the East Face South of Bangalore Gate Section No. 10.

50	20	30	30,000	Cutting away the Rock of foundation of Tower @ 20 Cʰ ₱ C ft —		1660 ~
				Foundation to Escarp facing of Stone —		
				Stone Berm to Escarp		

1819

Total			20,900	Stone in Chunam	@ 4. 40 ℔ Do	2,090 — —
				Foundation to Escarp backing of brick		
				Superstructure of Do		
				Brick in Chunam	at 2. 70 ℔ Do	6325 —
				Filling in Earth to back of Escarp at 15 Cash ℔ Do		37241 2
				Cutting away the Rock of old Escarp & Clearing the foundation		300 —
					Total Star Pagodas	9254 762

Probable Estimate for building a Counterscarp to the Ditch round the Bangalore Redoubt Plan No 9. —

190	3	20	11,400	Completing part of the Counterscarp on the foundation already laid —	
4	2	20	2,000	10 Counterforts & Do earth —	

Madras 11th September 1815

120	2	0	15	4,500	Completing part of Counterscarp already begun		
					7 Counterforts to Do each		
					Foundation to Counterscarp		
					Superstructure of Do		
					35 Counterforts to Do including Foundation		
					Brick in Chunam	@ 2.70 ₹ cub ft	5831 9 10
					Excavating the Foundation	@ 15 each ₹ Do	85 33 4

Total Star Pagodas 5916 43 14

1911

Forts Ogle & Pulicat

№ 70.

Probable Estimate for Connecting the Ditch of the North face with the E. Ditch on the East face by building a Counterscarp from the Saliant angle of the Lozinge work to the North termination of the Ditch on the East face, also building a Escarp to that Ditch round the North Angle of the 1st Glacis on the East face before the Ford Battery

L Plan № 12.—

44	2	20	1760	Completing part of the Counterscarp on foundation already laid		
				Foundation to Counterscarp		
				Superstructure of Do		
				Foundation to Escarp round the North Angle of the 1 Glacis-		
				Superstructure of Do—		
				Stone in Chunam	@ 1. 14. ½ Cub ft	3152
44		20	880	Completing part of Counterscarp on foundation already laid		
				Foundation to Counterscarp		
				Superstructure of Do—		
				Foundation to Escarp of Ditch before the East Battery 1.		
				Superstructure of Do		
				14 Counterforts to Do including foundation		
				18 Counterforts to Counterscarp Do—		
				Brick in Chunam	@ 2. 70 ½ Do	2517 41 50
210	13		3,730	Underpinning the Old Counterscarp of Ditch for the East face of Lozenge work	@ 1. 21. ½ Sq	40 1 64.
				Clearing away the Rock to from the Counterscarp		
				Do Do to from the Escarp		
					Carried over Pagodas—	5709 43 34.

11652

Fort St. George 11th September 1813

				Brought Over Pagodas	5709	43 34
Total	133600		Cutting away Rock - - - - -	@ 20 Cash ℔ Cub ft	742	10 -
			Stone Cutters to prepare the foundation of Counterscarp	- - - - -	50	- -
				Total Star Pagodas	6502	8 34

No 71

Probable Estimate for repairing the breaches in the Counterscarp of the Ditch of the Second Rampart of South face East of Mysore Gate and rebuilding 300 feet of the Counterscarp of Do West of Mysore Gate -

10	4	3	1200	Foundation to various breaches in the Counterscarp west of Mysore Gate -		
				Superstructure of Do		
				Stone in Chunam - - - - - - - - - - - - at 4-40 ℔ Cub ft	630	- -
				Foundation to part of Counterscarp west of Mysore Gate -		

Survey'd by Lt Colonel Taylor 1813

300	3	15	13,500	Superstructure of Do—			
				16 Counterforts to Do including foundation			
			Total 20,500	Brickwork in Chunam — — — — — — — at 2. 70 ₱ Cub ft — — — —		1,313	25 —
3000			3000	Underpinning and pointing the Old Counterscarp in various places — @ 1. 21. ₱ Sq — — — — —		44	"
				Total Star Pagodas —		1,187	25

Received 11th September 1813

11/54

Probable Estimate for building a Stone Berm to the Escarp of the Ditch of the Second Rampart of South face East of Mysore Gate and rebuilding part of Do West of Mysore Gate Section No. 10.—

2350	2	5.	23,500	Stone Berm to Escarp East of Mysore Gate —			
200	2	2	800	Foundation to part of Do west of Do—			
200	2	5	2,000	Stone Berm to Do Do			
			Total 26300	Stone in Chunam — — — — — — — — — — — at 4. 40 ₱ C ft — — — — — — — — —		2,630	"
200	2.6	10	5,000	Rebuilding part of Escarp west of Mysore Gate Brickwork in Chunam at 2. 70 ₱ C ft — — — — —		319	20
				Carried Over Pagodas —		2,949	20

			Brought Over Pagodas		2,949 20
140	18	" 2520	Underpinning and pointing Escarp West of Mysore Gate		
160	6	" 960			
	Total	3,480	Underpinning and pointing at 1/ 21. 7/ Sq^r		57 1 64.
2,500	3	4 4 " 30,000	Removing the Earth of the top of the Old Escarp of Ditch East of Mysore Gate at 15 Cash/ 6 P^r		125 " "
			Total Star Pagodas		3125 21 64.

No. 13

Probable Estimate for Constructing a Low flank before the west flank of Bastion C. and rebuilding 240 feet of the Fausse bray East and west of Bastion C. Plan No 4.—

135	2	06	2175	Foundation to Low Flank embedding its Shoulder	
				Superstructure of D^o —	
				Foundation to Fausse bray East and west of Bastion C.	
				Superstructure of D^o —	

Fort St. George 11th October 1813

36	1	1	14.	Sallo to 4 Embrasures each			
	Total	15424	Stone in Chunam	at 4-20 ℔ Cub ft		1542	18.
145	6	6	5655	Foundation to low Flank including its Shoulder			
				Backing of Brick			
				Superstructure of Do			
				8 Counterforts to Do including foundation			
				Foundation to Fause bray			
				Superstructure of Do			
				13 Counterforts to Do including foundation			
				Corden to Do			
				Parapet to Do			
				Banquette to Do			
				Exterior Parapet wall to low Flank and its Shoulder			
1	6	1	63.6	78 3/4 10 Counterforts to Do each			
				Foundation to interior Parapet Wall to Do			
				Superstructure of Do			
				Banquette to Do			
				Sheiks to 4 Embrasures each			
				Sallo to 4 Do each			
Total		37503/4	Brick in Chunam		at 2 70 ℔ Cub ft	2398	1 67
					Carried over Pagodas	3938	19 67

11662

Sept 11th & Septr 1813

				Brought over Pagodas		3938	19 67
130	1	3	450	Stone Cordon to low Flank at 6 f. ℔ Cub ft		60	
				Plastering Exterior Parapet wall of low Flank			
				Do Interior Do			
				Do Banquette to Do			
				Cheeks to 11 Embrasures each			
				Sells to 11 Do each			
				Parapet to Fausse bray			
				Banquette to Do			
Total 6700				Plastering two Coats of Chunam at 1 22 40 ℔ Sqr		100	22 40
				Removing the Old Fausse bray and filling up the Terreplein of low Flank			
100	70	13	7560	Do Parapet of Do			
				Removing Earth - - - - - - - - - -	at 15 Cash ℔ Cub ft	406	22 40
				Total Star Pagodas		4505	19 67

Fort St George 11th Feby 1813

No 74.

Probable Estimate for forming two Redans or Fleches in the 2d Coverture of the East face North and South of the Bangalore Redoubt for defending the Faces of that work & repairing & levelling the Coverture between the South Redan & the Bangalore Redoubt Plan No 9.

1838

					288	Repairing part of the Crown for Coverture		
						Sills to 10 Embrasures each		
						Stone in Chunam		
						Foundation to Retaining walls & of Parapet		
						Superstructure of D°		
						Exterior Parapet wall		
						Banquette to D°		
						Cheeks to 10 Embrasures each		
18	16	1	6	1215		Sills to 10 D° each		
					378	Retaining walls to extremities of Parapets		
						Brick in Chunam	at 2 70 ₹ Cubp	711 5 15
						Plastering Interior Parapet wall		
						D° Exterior D°		
150	4			600		D° Banquette		

Carried over Pagodas 769 27 35

Fort St George 11th September 1813

					Brought over Pagodas —	769 27 55	
36	4	"	1440	Checks to 10 Embrasures each			
				Sells to 10 Do each			
				Retaining walls to extremities of Parapets			
				Plastering two Coats of Chunam - - - - @ 1 72 48 ℔ Sq —		85 21 12	
240	3	6	1,8	15120	Raising the Parapet Levelling the Courtway		
					Do the Terreplein of the Redans		
	Total			33400	Filling in Earth at 15 Cash ℔ Cub ft —		
					Total Star Pagodas .	952 28 27	

№ 75

Probable Estimate for forming the Battery № in the Fausse braie of North Rampart between the Delhi Bastion and Sultaun Battery and removing the Tower in the Main Rampart General Plan.

34	20	30	20400	{ Removing the Tower and filling in the Rampart of Fausse bray at 15 Cash }	85 ~ ~	
34	2	0	4	340	Foundation to Revetment of Rampart behind the Tower	

Fort St. George 11th November 1813

					Superstructure of Do—					
					Sells to 3 Embrasures each					
Total	1,778	½			Stone in Chunam	@ 4	40	℔ Cub ft.	177	38 20
					Foundation to Rampart backing of brick					
					Superstructure of Do—					
					Parapet to Do—					
180	4	6	3	2430	Foundation to Interior Revetment of Rampart of Fanjee bray					
					Superstructure of Interior Revetment of Rampart Do					
					Retaining wall to rear Parapet					
					Foundation to Interior retaining wall of Parapet					
					Superstructure of Do—					
					Exterior Parapet wall —					
24	1	63	6	378	Cheeks to 3 Embrasures each					
					Sills to 3 Do each					
					Banquet to Do—					
Total	11,872				Brick in Chunam	at 2.	70.	℔ Cub ft	758	22.

Carried over Pagodas 1,021 15 20

Fort St. George 11th September 1815

					Brought Over Pagodas	1071	15 20.
70	7	"	490	Plastering Interior Parapet wall of Fausse bray			
				Do. Exterior Do.			
				Do. Cheeks to 3 Embrasures each			
				Do. Sills to 3 Do. each			
				Do. Banquette			
				Do. Parapet to Main Rampart			
			1578	Total Plastering two Coats of Chunam	at 1 22. 20 ℔ Sq.	23 30 12	
					Total Star Pagodas	1045 " 32.	

No. 7

Probable Estimate for forming a Sally Port and Bridge of Communication through the second Line of works in rear of the Southern redoubt & removing the Tower in Ditto and building a Ramp from the Bridge of Communication upon the redoubt G: Plan No. 8.—

32	2	6	20	1,600	Rebuilding the Rampart in rear of the Tower, Stone facing Retaining wall of Ramp into redoubt G.—

Fort St. George Military Sketches 1813

Total	2,350	Stone in Chunam	at 4 .. 10 ℔ Cub foot ——	235	- -
		Rebuilding the Curtain in rear of Tower backing of brick			
		Parapet to Dº —			
		Foundation to Piers to Sally Port			
		Superstructure of Dº			
		Foundation to 4 Piers to Bridge of Communication			
		Superstructure of Dº			
		Building up the Escarp of Ditch under the Bridge			
	24	1220	Dº the Counterescarp		
Total	12,246	Brick in Chunam	@2 - 70 ℔ Dº	782	17 20
		Plastering the Parapet of the Rampart			
		Dº in the Piers of the Sally Port			
		Dº the Arch of Dº			
		Dº the Piers of the Bridge			
		Dº the Escarp and Counterescarp under the Bridge			
		Carried over Pagodas		1017	17 20

1068

Estimate of Repairs to Bridge No. III Egmore 1813

					Brought Over Pagodas	1017	17 20
Total	13,198			Plastering two Coats of Chunam	at 1-22 40 ₱ Sqr	197	24 -
				Arch work to Sally Port	at 6 ₱ ₹ Cubt ft	174	- -
				Removing the Tower and spinning the Rampart to form the Sally Port at 15 Cash ₱ Cubt foot		62	22 40
				Cutting away the Rock at Bottom of Tower at 20 Cash		83	15 -
				6 Bearing Beams to Bridge	@ 2-11 20 each	13	22 40
				30 Tie Beams to Do	@ 3 22 40 each	105	- -
17	1	10	825	Teakwood Railing with Posts &c	@ 8 20 ₱ foot	151	11 20
				A Course of 3 inch Planks	@ 9 40 ₱ Do	173	5 -
1	8	-		Two Sally Port Gates complete		96	- -
					Total Star Pagodas	2,074	2 40

No 11

Probable Estimate for forming a new Sortie through the outer Glacis before the Bangalore Gate and Constructing a Teakwood Railing to the Passage through the East face Plan No 9.

1063

Fort St. George 11th September 1813

56	2	2	C	2,800	} Foundation to Retaining wall of Sortie	
360	2	2		1,440		
560	2	1		1,480	} Superstructure of Do	
360	2	2	3	1620		
		Total		10,340	Brick in Chunam @ 2.70 ₱ Cub foot	660 27 40
920	5		"	4,600	Plastering the retaining wall of the Sortie two Coats of Chunam at 1.22 40 ₱ Sq.	69 ~ ~
1340	5		"	7,700	Teakwood Railing with Posts Diagonal Braces and Complete at 3 ₱ ₱ Sq.	573 15 ~
10	5.		"	"	4 Gates with hooks hinges &c Complete at 14 Pagodas each	56 ~ ~
100	4	20		32,000	Excavating the Glacis to form the Covertway at 15 Cash ₱ C ft	133 15 ~

Total Star Pagodas 1,432 1240

Madras 11th September 1813
W. H. L. Splitgerber

No 78.—

Probable Estimate for forming a new Sortie to the outer Glacis before the Mysore Gate &

Constructing a Teakwood Railing to part of the Passage through the South face Plan No 6.—

1165

560	2	2	6	2,800	Foundation to retaining wall of Sortie
360	2	2		1440	
560	2	4		4,480	Superstructure of Do
360	2	2.3		1,620	
130	4	3		2760	Foundation to Interior Retaining wall to inner Glacis East of Mysore Gate
230	2	12		2280	Superstructure of Do
				21380	Brick in Chunam at 2½ 70 ℔ Cub ft - - - 1365 4240
320	5	5		1300	Plastering the retaining wall of the Sortie
					Do the Retaining wall of inner Glacis.

Estt. for Sortie to Mysore Gate under 1813

			Total	7,920	Plastering two Coats of Chunam at 1. 22. 40 ℘ Sq.	118	36
.520	5		2,600	Teakwood Railing &c	at 3. Sant. ℘ Sq. ft	173	15
10	5			One Teakwood Gate Complete		14	
				One Barrier Gate to the South with hooks & Complete		127	
			32,000	Excavating the Glacis to form the Covertway at 15 Each		133	15
				Total Star Pagodas		1932	18 40

No. 79

Probable Estimate for forming an Interior Revetment and Banquette to the Inner Rampart of East Face—

600	3.	4	7200	Foundation to Interior Revetment South of Bangalore Gate.
600	2.	12	14.400	Superstructure of Do—
700	3.	4	8400	Foundation to Interior Revetment North of Bangalore Gate.
700	2.	17	23800	Superstructure of Do
260	1.6	2.	780	Coping part of Revetment already built up
298.	3.	4.	3576	Foundation to Interior Revetment of proposed rampart of Connection between E. and its flank.
298	2	18	10,728	Superstructure of Do.

Sept. 11th 1813

30	2	8	480	Retaining wall to one Ramp to Rampart South of Bangalore Gate			
45	2	6 10	2,250	D° to 2 Ramps to Rampart North of D° each — —			
	Total		7,614	Stone in Chunam	@ 4- 40 ℔ Cub foot	7161	18.
620	2.	4	4960	Foundation to revetment South of Bangalore Gate Casting of brick —			
600	1	12.	7200	Superstructure of D°			
4	2, 6	14	4620	33 Counterforts to D° including foundation			
700	2.6	4	7000	Foundation to Interior Revetment of Rampart North of E. Gate			
700	1.6	17.	17,850	Superstructure of D°			
4	6 2, 9	18.	8687/439	Counterforts to D° including foundation			
298	2	4	2384	Foundation to Revetment of prospect Rampart of Communication between E. and N. front —			
298	1	18	5364	Superstructure of D°			
4	2.	6	3200	16 Counterforts to D° each			
1700	3.	2,	10200	Banquette to whole of Rampart			
	Total		71485/4	Brick in Chunam	at 2. 70. ℔ Cub°	4586	37 47
1700	4,	"	6800	Plastering Banquette two Coats	at 1. 22. 40 ℔ Sq° —	102	

Fort St. George 11th Sept. 1813

260	20	"	5,200	Underpinning and pointing the Old Revetment at 1.22.40 ℔ Dº —	78	- -
600	12	15	108,000	Filling in Rampart South of Bangalore Gate		
700	6	18.	75.600	Dº. Dº North of Dº —		
	Total			Filling in earth at 15 Cash ℔ Cubes —	765	- -
				Total Star Pagodas —	12672	1017

N: 80

Probable Estimate for reforming the Fausse bray East and West of Delhi Bastion so as to defend the faces and flanks of that work Plan Nº 13.

250	10	12	30,000	Removing the old Fausse bray - - at 15 Cash Cubes - - - -	125	- -
210.	2.	3.	1260	Foundation to interior Revetment of Fausse bray E. of Delhi Bastion		
210.	2	9.	3780	Superstructure of Dº		
135.	2	3.	810	Foundation to interior Revetment of Fausse bray W of Delhi Bastion		
135.	2.	9.	2430	Superstructure of Dº		
	Total		8280	Stone in Chunam - - - - - - - - at 4 - 40 ℔ Cubic ft —	828.	- -
210.	4.	3.	2520	Foundation to Fausse bray East of Delhi Bastion basting of Brick		
210.	1 . 9	9.	3307 1/2	Superstructure of Dº		
				Carried over Pagodas —	953	- -

Sept. 11th 1813

Lt. Col. Fenwick's Estimate

					Brought Over Pagodas	953	" "
135.	4.	3.	1620.	Foundation to Fausse braie West of Delhi Bastion backing of brick			
135.	1.	9	9.	2126/4 Superstructure of Do			
290.	2.	6	8. 6.	6162/p Interior Revetment to Fausse Braie E. & W. of Delhi Bastion			
345	3.		4. 6.	4657/p Parapet to Do Do			
40	2		4. .	320 Retaining walls to Ramp			
20	1.	6	10.	300 Paving Do			
345.	1.		3.	1035 Brick Cordon to Fausse bray			
	Total		22018 3/4	Brick in Columns	at 2. 10 p Cub: f:	1468	3 12
345.	12.		"	4140 Plastering the Parapet 3 Coats	at 1. 2240 p Sq:	62	4 56
					Total Star Pagodas	2423	3452.

S. 11

Probable Estimate for forming the Rampart of the North Face 36 feet wide with an Interior Slope of Earth whose Base is to its height as 4. to 3.—

5130	6	22	677160	Filling in the rampart & forming its interior Slope at 15 Cash p C f		2821	82 40
5130	18.		" 92340	Sodding the Slope	at 17 f. p Sq:	348	37 64.
					Total Star Pagodas	3170	15. 24.

No. 82.

Probable Estimate for forming the Rampart of the S. W. face 36 feet wide with an Interior Slope of earth whose Base is to its height as 4. is to 3.—

2,290	14	33.	1057920	Filling in the Rampart and forming its interior Slope.		
1630	10	7	114100	Do the Parapet		
	Total		1172080	Filling in with Earth	at 15 Cash p Cub ft	1,883 30
2590	30.		77700	Sodding the Interior Slope	at 17 ft. p Sq.	293 24
					Total Star Pagodas	5177 9
						Sa. Rs. f. 6.
No 83.				Three Batterdause in Ditch including Drains		5100
No 84.				Sally Ports four each	each 450 Pagodas	1800
No 85.				Expence Magazines 5. of first Class		315
No 86.				Do Do Do of Second Do		360

/Signed/ J. L. Caldwell
Lt. Colo of Engineers
& Special Surveyor of
Defences &c

Nov 11th Rampart & Interior Slope 1813.

Abstract of the Estimates for the whole of the works now brought forward for Construction reform or repair at the Fortress of Seringapatam.

1811

No. of Estimate			
1	For constructing the N. West angle Bastion A including Low Flank Plan No. 2	18,097	34 17
2	For Constructing two upper and lower Flanking Batteries to defend the North face of Bastion A and the ruins of the Delhi Bridge Plan No. 2	5992	4 8
3	For rebuilding part of the Curtain X X between Bastion A and the Delhi Gate Plan No. 2	3930	24
4	Expence of Constructing the Cavalier No. 2 North West angle Plan No. 2	19,217	4 31
5	For repairing Cavalier No. 2 on the South West face Plan No. 4	1,044	44 34
6	For repairing Bastion C South West face Plan No. 4	10,297	447
7	Expence of repairing Cavalier 3 Plan No. 6	275	3 57
8	For rebuilding the 5 Gun Battery agreeably to Section No. 7 and Plan 6	1873	26 62

Fort St. George 11th September 1813

9.	For Dº the 8 Gun Battery at the South west angle, Plan Nº 6 Section Nº 7 -	1,999	3	59.
10	Expence of repairing the S. W. Battery E Plan Nº 6 - - - - - - - - - - - -	4799	14	72
11	For repairing and improving the Mysore redoubt by completing its west Flank and revetments and rebuilding part of its South East and South west angles Plan Nº 6	10,150	38	63.
12	For improving the Southern redoubt C by completing the Ditches and Exterior revetments of its East and west flanks Plan Nº 8 - - - - - - - - - -	3363	43	54
13	Expence of Constructing the new Cavalier Bastion I. at the S. E. Angle taken from Major Limons Estimate Plan Nº 8 - - - - - - - - - -	19,399	31	62
14.	For repairing the Sultaun Redoubt, Plan Nº 8 - - - - - - - - - - - - - -	2532	21	35.
15.	For Completing the Bangalore Gate Battery and for building a Sally Port and Bridge of Communication on the North flank Plan Nº 9 - - - - -	18,102	4	22

Carried over Pagodas - 121573 19 6.

Fort St. George 1st September 1813

W. H. Lyon Lt. Col.

	Brought over Pagodas	12,575	196
16	For reforming the North East angle Plan No 12	4,792	3658
17	For rebuilding and repairing the Delhi Bastion M Plan No 13	1,572	432
18	Expence of repairing the Sallaure Battery	285	1728
19	Expence of opening a new Sally Port and erecting 2 Bridges of Communication also counterscarp and coverterway leading to the South West Battery from near the Mysore Gate Plan No 6	436	2017
20	For completing the Enceinte of the body of the Plan at the South west angle by connecting the Inner rampart of the South face with the rampart of the South west face, Plan No 6	426	3555
21	Expence of constructing the new Bastion B S. W face Plan No 2	184	1855
22	For rebuilding part of the curtain wall between Bastions A and B Plan No 2	247	422
23	For rebuilding and reforming the Mysore Gate Battery Plan No 6	197	3312
24	For rebuilding and reforming the Bangalore Redoubt Plan No 9	21	361 " 63.

Fort St. George Consultation 11th May 1813

25	Flanking Battery D2 of 9 Guns S. W angle General Plan	526	9	3
26	For forming two Casemated Batteries B2. D2 of 5 Guns each, and the flanks V V S. W face, General Plan	1329	17	5
27	For Revetting and rebuilding part of the Main rampart between Bastion C and the Small Tower towards Bastion B Plan N° 8	2765	16	3
28	For completing Parapet of Curtain Wall from Small Tower up to Bastion B	332	20	2
29	For completing the interior revetment of the Second Rampart of the South and East faces adopted from the Chief Engineer Earth Work being added	14,480	43	25
30	For rebuilding and reforming the Laboratory Bastion G Plan N°. 8. and 14	19,022	5	65
31	For forming an interior Revetment to the rampart at the North west Angle where Ditch of Cavalier N°. 1 Occurs Plan N°. 2	6,087	13	10
	Carried over Pagodas	3,16,300	4	24

Rec'd 11th September 1813

		Brought over Pagodas	316300	4	24
32	For repairing the Rampart of the Faussebraie of South West face between Bastion C and South West angle General Plan		7840	42	75
33	For forming a new Counterscarp to the Ditch of the Second Line of works of East face South of Bangalore Gate on Medium height of 17 feet		6737	36	
34	For rebuilding the Breaches repairing the Rampart and removing three Towers of the Inner line of East face		5452	9	72
35	For building a new Counterscarp to the Ditch of the Second line of East face North of Bangalore Gate on a Medium height of 17 feet Section No. 10		1425	4	20
36	For forming the Fore Battery L at the North East angle to contain Nine Guns Plan No. 12		739	18	25
37	For forming the two Batteries Z Z in the body of the place between the Delhi Bastion and the North East angle General Plan		3577	10	44
	For forming a Cremaliere Battery of 3 Guns in the main rampart west of Delhi				

1815

38. Bastion and repairing the 2d Tower west Do. to hold one Gun for defending the North west face of proposed new Delhi Bastion — 358 41 22

For removing the Two Towers East and West of Delhi Bastion and rebuilding Breach — 3.997 — 15

40 For forming the Battery P near the Mysore Gate by rebuilding its Parapets and forming a ramp up to it from the body of the place — Plan No 2 — 1622 27 40

41 For forming a Sally port through the Rampart in rear of Bastion C Plan No 3 — 601 26 35

42 For repairing the Lozenge Work U at the North East angle of the Fort Plan No 12 — 967 30 30

43 For removing three Towers and rebuilding a breach in the Seven Ram = part of East face — 3.029 5 —

44 For forming two Curtain Batteries East and West of Mysore Gate. Bastion and removing the two adjoining Towers Plan No 6 — 1.968 40 26

Carried over Pagodas 357.830 2770

Geo. W. Gilliam Lieut. 1st Regt.

	Brought Over Pagodas		357830 27 70	
45.	For Spanning the flank R. R. of inner line East of Laboratory Bastion by adding a parapet and widening and connecting its rampart with that of the Laboratory Bastion Plan No. 8		2,605 11 62	
46	For Spanning the flank R S of Second line by adding a Parapet and widening its Rampart also removing the small Cavalier in rear of it Plan No. 8		390 15 75	
47	For Cutting down the large Square Flag Staff Cavalier to the P. Brick and Constructing new Parapets General Plan		1364 5 53	
48	For widening the South East Single Cavalier P of the inner line by adding two flanks and completing the Rampart of it to that of the flanks R R Plan No. 8		7,467 14 37	
49	For repairing the two Curtain Batteries North and south of Bangalore Gate Battery Plan No. 9		1406 40 72	
50.	For repairing the inner Rampart of South face		1759 3 54	

51	For repairing the Second Rampart of South face	660	4132
52	For repairing the South West face between Bastion C. 3. and S. W. angle ——	1276	470
53	For repairing the Fause braie Rampart of the North face by rebuilding the Revetment on its exterior and interior revetment and underpinning and pointing the Exterior Revetment in Various places	2031	3066
54	For rebuilding two breaches in the Main Rampart of North face and underpinning and pointing its Exterior Revetment as recovering its founda tion in Various places	1,684	1640
55	For forming the two Batteries O. 2 in the Fause braie of north face, and completing the unfurnished Revetment of part of the Fause braie near the East Battery O. 2 General Plan	97334	6
	Carried over Pagodas ——	3,79,458	22 71

Fort St. David 11th September 1813

		Brought Over Pagodas		379,450	22 71
56	For forming a new inner Coverteway on the East face North of Bangalore Gate General Plan			1,188	29 6
57	For forming a new Second Coverteway to the East face No. of Do. General Plan			969	12 73
58	For forming the North end of the 1st Place of East face behind the Fort Battery L into a place of arms by lowering it & Terreplien and rebuilding the Parapet of its East face Plan No. 12			621	33 82
59	For forming a new inner Coverteway on the East face South of Bangalore Gate General Plan			780	5 17
60	For forming a new inner Coverteway to the South face and removing and levelling the Second Coverteway			6,241	19 40
61	For forming a place of Arms and Coverteway before the Mysore redoubt rebuilding the outer Coverteway on the South west of Do. and removing and levelling the Second Coverteway of Do. Plan No. 6			4,061	21 65

Sheet No. 6911

Sheet No. 6913

	For forming a place of Arms and Covertway before the Bangalore redoubt			
62	also two Covertways before the north and South flanks of the Bangalore Gate Battery and a Barrier Gate to the Curtin of the East face Plan No. 9 —	4712	44	75
	For forming a Banquet to the Second rampart of East face — — — —	1053		
	For forming a Ditto Ditto on South face	1155		
	For forming a Banquet to the South West face between Bastion C and South West Angle			
66	For forming a Banquet to the North face — — — — — —	2485	11	40
67	For building up the Escarp of Ditch of the second line of works on the East face North of Bangalore Gate Section No. 10 — —	5843	41	20
68.	For building Ditto — — — Ditto Ditto South of Bangalore Gate, Section No. 10 — — — — — — — — — — — — — — — —	9454	26	20

Carried Over Pagodas 42098 19 39.

Brought over Pagodas — 422098 19 39

69 For building a Counterscarp to the Ditch round the Bangalore redoubt

Plan N°. 9 — — — — 5916 42 10

70 For Connecting the Ditch of the North face with the 3 Ditch on the East face by building a Counterscarp from the Saliant angle of the Lezunge work to the north termination of the Ditch on the East face — 6302 8 34

also building a Escarp to that Ditch round the north angle of the 1st Flanks in the East face before the First Battery I. Plan N°. 12

For repairing the Breaches in the Counterscarp of the East of the 2d Flank of South face East of Mysore Gate and rebuilding 300 feet of the Counterscarp of Do. West of Mysore Gate — — — — — — 1987 25

72 For building a Stone berm to the Escarp of the Ditch of the Second Rampart of South face East of Mysore Gate and repairing and rebuilding part — 3125 21 02

of Do. West of Mysore Gate Section N°. 10 — — — — — — — —

Fort St. George

1811

73 For constructing a Low flank before the West flank of Bastion C and rebuilding 240 feet of the Fause braie and west of Bastion C Plan No 4 — 4,505 19 07

For forming two redans in the Second Coverd way of the East face East and South of Bangalore redoubt for defending the faces of

74 that work and retaining and levelling the Coverd way between the South redan and the Bangalore redoubt Plan No 9 — 952 26 27

For forming the Battery O1 in the Faus brays of North rampart

75 between the Delhi Bastion and Saltain Battery and rimaving the Tower on the Main Rampart General Plan — 1045 . 32

Carried Over Pagodas — 4.46133 28 53

Supplement 1863 No 1183

		Brought Over Pagodas		4,16,133	28 53
		For forming a Sally port and Bridge of communication through the Second line of works in rear of the Southern redoubt & removing the Coun in Do and building a ramp from the Bridge of Communication upon the redoubt G. Plan No 8	76	2,974	2 40
		For forming a new Sortie through the outer Glacis before the Bangalore Gate and constructing a Teakwood railing to the Passage through the East face Plan No 9	17	1,932	18 20
		For forming a new Sortie to the outer Glacis before the Mysore Gate and Constructing a Teakwood railing to part of the passage through the South face Plan No 6	10		

1683

1813

79 For forming an interior revetment and Banquette to the inner Rampart of East face 12,672 10.47

For forming the Faces East and West of Delhi Bastion so as to defend the faces and Flanks at the West Point No 13

Estimate for forming the Rampart of the North face 36 feet wide with

81 an interior Slope of Earth the base of which is to its height as 4 to 3 3170 15 24

Estimate for forming the Rampart of the S. W. face 36 feet wide with an

82 interior Slope of Earth the base of which is to its height as 4 is to 3 . . . . . 5177 9 "

Carried over Pagodas —

Fort St. George 18th September 1813

Brought Over Pagodas ——— 426,133 28 53

1683

For forming a Sally port and Bridge of communication through
the Second line of works in rear of the Southern redoubt &
76. removing the Town in Do and building a ramp from the Bridge 2074 2 40
of Communication upon the redoubt G. Plan No 8

For forming a new Sortie through the outer Glacis before the
77 Bangalore Gate and constructing a Teakwood railing to the Passage 1932 18 10
through the East face Plan No 8

For forming a new Sortie to the outer Glacis before the Mysore Gate
78 and Constructing a Teakwood railing to part of the passage } 1,932 18. 10
through the South face Plan No 6. - - - - - - - - - - - - - -

1683

79 For forming an interior revetment and Banquette to the inner Rampart of East face 12,672 10.47

For forming the Faussebraie East and West of Delhi Bastion

to serve to defend the faces and Flanks at the West Pleis No 13 2,223 3 "

80 Estimate for forming the Rampart of the North face 36 feet wide with

81 an interior Slope of Earth the base of which is to its height as 4 to 3 3170 13 24

Estimate for forming the Rampart of the S. W. Face 36 feet wide with an

82 interior Slope of Earth the base of which is to its height as 4 is to 3 5177 9 "

Carried over Pagodas —

Fort St. George 4th September 1813

Brought Over Pagodas —— 426,133 28 53

11683

For forming a Sally port and Bridge of communication through
the Second line of works in rear of the Southern redoubt &
76. removing the Scarp in Do and building a ramp from the Bridge 2,074 2 40
of Communication upon the redoubt &. Plan No 8

For forming a new Sortie through the outer Glacis before the
77 Bangalore Gate and constructing a Teakwood railing to the Passage 1,932 18 40
through the East face Plan No 9

For forming a new Sortie to the outer Glacis before the Mysore Gate
78 and constructing a Teakwood railing to part of the passage 1,932 18 40
through the South face Plan No 6 . . . . . .

Fort St George

1813

79 For forming an interior revetment and Banquette to the inner Rampart of East face 12,672 10.47

For forming the Faces East and West of Delhi Bastion

to cover and defend the faces and Flanks at N.E. and N.W. Plan No 13

80 Estimate for forming the Rampart of the North face 36 feet wide with

81 an interior Slope of Earth the base of which is to its height as 4 to 3 3170 13 24

Estimate for forming the Rampart of the S. W. Face 36 feet wide with an

82 interior Slope of Earth the base of which is to its height as 4 is to 3 . . . 5177 9 "

Carried Over Pagodas —

Examined & Estimated 1813

	Brought over Pagodas		
83.	Three Batter doun in Ditch including Drains	300	..
84	Sally ports four	each 450 Pagodas	1800 ..
85.	Expense Magazines 5 of first Class		315 ..
86	D° D° of Second Class		360 ..

Total Star Pagodas 42239 4136

[Signed] Jno L Caldwell
Lieutenant Colonel of Engineers and
Special Surveyor of Defences &c

[True Copies]
[Signed] W. Ormsby
A. M. B.

Minute

11686 Fort St George 14th September 1813

Minute of the Chief Engineer

The Chief Engineer has perused the Report and examined the Plans and Estimates submitted by Lieutenant Colonel Caldwell for the repair and reform of the Fortress of Seringapatam and takes occasion to record the following Remarks.

The Plan of defence adopted by Lieutenant Colonel Caldwell is founded upon similar principles with what has been on various occasions formerly brought forward Viz.t the improvement, increase, and introduction of flanking fire to the existing line of works and which alone is applicable to this Fortress, which as Lieutenant Caldwell justly refers, proposes the insurmountable natural disadvantages

disadvantages, as to render it altogether unworthy of the vast sum of money which must be required to surround it with a Series of Collateral works upon established & Scientific principles, and without which no Fortress Can be professionally Considered as strong or effectually defensible against an European Enemy.—

A different view of the subject may be taken if our conclusions are to be Confined to Capability of defence against a simple Native Power in allusion to which only, for: = mer opinions have been offered by myself wherein I have represented = Seringapatam as a place of Considerable Strength, regulating my conclusions by the State of Times improbabilities

of

of an European Enemy being ever able
to sit down before it, so ignorant are
the Natives of any systems of offensive
& attack and Defence and so
inferior in the discipline and organe-
-zation of their forces that little beyond
a simple direct Defence aided by
the impediment of a high Wall &
deep Ditch may be deemed
a respectable security against their
insults: Seringapatam in allmost all
its parts possess these properties being
at the same time totally deficient in
Collateral Defence and highly defective
with respect to Command from without,
against which, no effectual remedy
can be provided The present project
accomplishes all that can be expected
from the amount of the Estimates —

that

Fort St. George 11th September 1813

that accompany it, this Considerably
exceed in their Total the amount of
Sums. others which have been formerly
submitted arising from the decayed
Condition of the Foundations represented
by Lieutenant Colonel Caldwell and
the additional Works that have been
introduced, not from any augmentation
of the Price as the Chief Engineer ob=
=serves that the rate of work per foot
or yard adopted by Lieutenant Colonel
Caldwell is the same as heretofore,
the variation in amount from other
projects depending altogether upon the
Quantity, not rate of work. Since
no reduction Can be sought for but
under the Curtailment of the project
of Defence by the rejection of some
of the proposed works as none

of

Fort St. George 14th September 1813

of [illegible] Superfluous but on the Con-
= trary many additional ones may be intro-
= duced was the plan Considered worthy of
the Cost the Chief Engineer has nothing to
suggest on this head further than to observe
that a much larger quantity of work for
the same Money is now presented upon
the Estimate than has appeared upon
any former occasion, this Lieutenant Colonel
Caldwell has been enabled to accomplish
by the adoption of Brick for Stone in his
Revetment the whole being faced only
with the former Materials and this the
Chief Engineer Considers an improvement
worthey of the notice of the Board.—

The Chief Engineer has —
Minutely examined the Dimensions of the
Profiles of the several Revetments adopted
Lieutenant Colonel Caldwell with

a

11691 Fort St. George 4th. September 1813

a view towards ascertaining how far their solidity relative to the height is absolutely necessary as upon this point the quantity of Masonry and Consequent Cost of the undertaking must Materially depend, the Prescribed Rules by the Marechal Vauban and other great author are, he observes, abided by and in all instances where any deviation from their high and established authorities is made the thickness and solidity of the Walls and Revetments has rather been Curtailed than Augmented and the quantity of Masonry consequently reduced; with respect to Earth work which Composes a Considerable Share of the undertaking the whole is estimated for under certain rates per yard of Cost and it remains for the Board to mark such deductions as will result from employing the

11692 Fort St. George 12th September 1813

"the Corps of Pioneers upon this portion of the works in some of the Estimates which accompanied former projects the Earth work was not included under the persuasion that this System would be adopted and Considerably lower amount Consequently exhibited for the required general Reform.

In forming the project of Defence now submitted by Lieutenant Colonel Caldwell that Officer appears to have been materially influenced by the suggestions and recommendations made in the Report of the Committee of the Military Board in the year 1807 whose many additional undertakings beyond what had been then Estimated for are pointed as necessary and which are under various modifications and improvements

11693 Fort St. George 11th September 1813.

improvements introduced

It may possibly be super-
= fluous on the part of the Chief Engineer
with reference to the Amount of the
present Estimates to remind the Board
of the number of years that have now
elapsed since the question of the reform
and repair of the Fortress of Seringapa-
= tam was first agitated and consequently
of the general ruin and decay which has
annually resulted from the entire neglect
of all its Defences, there works have been
originally Constructed upon such light
principles and are so very numerous and
extensive that the decay and failures of a
Single year, in their various parts are of
great extent. The nature and Character
of the Revetments upon which the
Stability of the Fortress depend

is.

11694 Fort St. George 12th September 1813

is fully exhibited in Lieutenant Colonel
Caldwells Report and these are annually
giving way forming large breaches in
the works and filling up the Ditches upon
their Ramparts with rubbish a great
additional expence is of Course annually
entailed.

It having been suggested
to the Board that the Lozenge
ted on the N. E. Angle of the Fortress
might be improved by altering the
direction of the N. W. face agreeably
to a, b, under which reform the prin-
cipal Saliant angle of the work will
be rendered less acute and a more
perfect infilade be established upon
the face from the Body of the Place
at V W. I have applied the small
Carpet to Lieutenant Colonel Caldwell's
Plan

11695 Fort St. George 14th Dec 1813

Plan explanatory of the proposed alte:
= ration and at the same time beg to
offer the following remarks upon the
point.—

The Lozenge is a very low =
work subject to the Command and to =
being Completely plunged into, from the
works in its rear Consequently a perfect
infilade upon all its faces is of less im:
= portance.— The N. W. face is already well
protected by direct and oblique fire upon
it.—

The present direction of the
N. W. face is such as to afford some
protection against the advance upon Ca:
= valier B. which is a very weak point.
Under the suggested reform two of the
Guns of the N. E. face which now Com:
= mand the bed of the River and Fort St
Jon

1696 Fort St George 1st September 1813

for which purpose the work was appra=
=re[illegible] entrenched / will be lost - The
Guns of L W in the Body of the place
already in part command the River
and Country beyond the Lozenge to the
Eastward as its low position enables
them to range over it - The weak point
upon this outwork is its N. E. face
which will still remain defective under
the adoption of the suggested reform =
notwithstanding that a Considerable
expence will be entailed and which the
Chief Engineer is of opinion the advantages
to be derived will will not Compensate =
unless an entire reform of the work is
adopted by taking down and rebuilding
both the North West and North East
faces upon more approved lines of
direction which may admit of Collateral

11695 Fort St. George 14th Dec 1813

Plan explanatory of the proposed alte:
= ration and at the same time beg to
offer the following remarks upon the
point.—

The Redoubt is a very low
work subject to the Command and to
being Completely plunged into, from the
works in its rear Consequently a perfect
infilade upon all its faces is of less im:
= portance.— The N. W. face is already well
protected by direct and oblique fire upon
it.—

The present direction of the
N. W. face is such as to afford some
protection against the advance upon Ca:
= valier B. which is a very weak point.
Under the suggested reform two of the
Guns of the N. E. face which now Com:
= mand the bed of the River and Fort St

11696 Fort St George 1st September 1813

for which purpose the work was appra-
= rently constructed / will be lost - The
Guns at 1 W in the Body of the place
already in part command the River
and Country beyond the Lozenge to the
Eastward as its low position enables
them to range over it - The weak point
upon this outwork is its N. E. face
which will still remain defective under
the adoption of the suggested reform -
notwithstanding that a Considerable
expence will be entailed and which the
Chief Engineer is of opinion the advantages
will not Compensate -
unless an entire reform of the work is
adopted by taking down and rebuilding
both the North West and North East
faces upon more approved lines of
direction which may admit of Colla-
teral

1169.7 Fort St. George 14th Sept. Ser. 1813

Collateral defence being brought upon them—

Chief Engineer's Office
Fort St. George
11th June 1813.—

/Signed/ E. Trapaud
Chief Engineer

/A true Copy/
/Signed/ W. Ormsby
Lt. M. B.

No. 25.
Resolution thereon

Resolved that the Lore: = plans and estimates prepared by Lieute: = nant Colonel Ca[illegible] and Chief Engineers Minute thereupon be recorded—

To His Excellency Lieutenant General
The Honorable John Abercromby
Governor in Council

Va Va Va

Honorable Sir,

No. 26.
From the Military Board. Recom: = mend that Lieut Coggenpohl of the Horse artillery be

I The Officer Commanding at St. Thomas's Mount has represented to us

11698

Fort George 14th September 1813

be permitted to enclose a spot of ground at St. Thomas's Mount.—

Sir

Lieutenant Poggenpohl of the Horse Artillery is desirous of obtaining a Grant of a Piece of Ground, 150 yards in length and 100 in breadth situated on the left of the road leading to Chin-glepet, opposite and to the Eastward of Majr Burltons Compound, and to the Southward of Lieutenant Abdys. the value of the House to be erected thereon is not to exceed one thousand Pagodas—

As the Officer Commanding has reported that the Ground in question is not required for any public purpose We have the honor to Recommend that Lieutenant Poggenpohl may be permitted to enclose it agreeably to the terms of the General Order by Government dated 7th of May 1812.—

We

11699 Fort St. George 14th September 1813.

Fort St. George
2d September 1813

We have the honor to be,

Sir,

Your

Most obedient

Humble Servants

(Signed) E. Trapaud
Robt. Bell
J. Lonsway
D. Blacker
W. Morison
J. Prendergast

No. 27.
Resolution thereon

Resolved that the Military Board be desired specifically to State the terms upon which they recommend the ground in question should be granted to Lieutenant Poggenpohl.—

To His Excellency Lieutenant General
The Honorable John Abercromby
Governor in Council

Your Excellency,
Honorable Sir,

No. 28.
From the Mily Board. repre= = sent the necessity of

1. The Commissariat of Stores at Cannanore

11700 Fort St. George 14th September 1813

of increasing the pay of the artificers attached to the Ordnance Department at Cannanore and submit the Draft of a G: O: Correcting the rates of Pay allowed them by the Ordnance Regulations.—

Cannanore has represented that the monthly Pay authorized by the new Code of Ordnance Regulations to be drawn for the Artificers attached to the Store Department under his Charge is less than what has been hitherto allowed, and he has stated that the Artificers are unwilling to Continue in the service on the reduced Allowance. He has requested information from the Commissary of Stores on receipt of the representation directed the Officer Commanding in Malabar and Canara to ascertain and report the rates at which Artificers could be engaged for the public Service, as it appeared on reference to the Monthly Pay allowed to those employed in the Ordnance Department and the rates paid by the Superintending Engineer that those of the former were Considerably higher

11701

Fort St. George 14th September 1813

higher - In reply thereto stated that the Artificers employed by the Superintending Engineer are natives of the Country and are not sufficiently expert Workmen to Answer for the Ordnance Department, the Artificers attached to which, are mostly Portuguese, are very Skilful in their profession, and as their mode of living is different from the Natives, the Pay allowed by the Regulations is insufficient for their Maintenance.

2.

It further appears that there is Considerable difficulty in procuring a description of workmen at Cannanore, and as much inconvenience would be experienced, if those at present attached to the Store Department there, were to quit the Service, we beg leave to recommend that authority may be given for the payment of

the

11702 Fort St. George 14th September 1813

No. 1. The Regulations specified in the accompanying Letter are submitted for the sanction of Government, and that the Regulations be corrected by the publication of the enclosed Draft of a General Order, if it should be approved of. We also beg leave to recommend that the Military Auditor General may be directed to pass the Abstracts of the Ordnance Officers at Cannanore agreeably to the rates detailed in the General Order from the period when under the new Code of Regulations, the Commissary of Stores ceased to draw the Allowances authorized previously to their publication.

We have the Honor to be &c, &c

/Signed/ E. Trapaud
Robt. Bell
J. H. S. Conway
V. Blacker
W. Morison
J. Prindergast

Draft

Fort St. George
2d September 1813

11703

Fort St. George 14th September 1813

Draft of a General Order

The Honorable the Governor in Council is pleased to direct that the Allowances to be drawn by the Commissary of Stores at Bermahone, for the Artificers attached to the Ordnance Department at that Station shall be regulated in conformity with the following rates Viz.—

	Pr.	fo	C.
1 Maistry Carpenter	4..	12..	60
2 Carpenters	6..	12..	60
2 Armourers	6..	12	60
2 Bellows Boys	1	32..	11
1 Tin Man	3..	6.	30
1 Painter	4..	12..	60
2 Chunkledars	5..	6..	30
1 Chunkler	2..	12	60
2 Smiths	5..	30	..
2 Hammermen	4..	12..	..
1 Cooper	4..	..	..

The

1704 North George 12th September 1813

No 29.

Minute thereon

The Board approving the —
Draft of General Order submitted with
the foregoing Letter, direct that it be
published in General Orders —

And the Board resolve
that Authority be given for passing the
Abstracts of the Ordnance Officer at —
Cannanore agreeably to the rates therein
specified, from the period recommended by the
Military Board —

To His Excellency Lieutenant General
The Honorable John Abercromby
Governor in Council
Fort St. George

Honorable Sir,

No 30

From the Military Board. Submit with observations, Copy of a Minute of the Military Auditor General questioning the Authority of the Board to admit Charges for Extra wastage in the accounts.

I The Regulations of the Com-
= missariat Department for the Depart-
= ment of Cavalry Supplies, authorizes
= Charge of Wastage in the Accounts of
Quarter

11705 Fort St. George 14th September 1813

accounts of Quarter masters of Cavalry Corps: no provision for the purpose being made in the Commissariat Regulations.—

Quarter Masters of Corps equal to 3 per Cent per Annum or 1/4 per cent Monthly. Sent no provision is therein made for the admission of any extra Wastage which may unavoidably take place we have accordingly under the Letter of the 30th October 1810 followed the rules which have hitherto guided us in admitting extra Wastage on the Proceedings of Committee officers, or other vouchers which are considered adequate, but the Military Auditor General has on a recent occasion expressed his doubts that as the Regulations do not allow any wastage beyond 1/4 per cent to be admitted in the accounts of Quarter Masters, we are not authorized to admit Extra wastage under the documents above adverted to— The opinion of the Military Auditor General is Contained in the Annexed accompanying Copy

of

11706 Sent to St George 11th September 1813

No. 1. of a Minute which he has recorded, —

and in submitting it for the information

of your Excellency in Council we have

the honor to report the Circumstances

which have led to the discussion of this

question.

2. A quantity of Grain having

been supplied by the Commissariat for

the use of the Horse Artillery, the Officer

in Command of that Corps assembled

a Committee for the purpose of examining

and reporting upon its state, and the

Committee having reported to this in-

spection, amounted to five per Cent,

their proceedings were transmitted to our

Office, and in Conformity with the

usage of the Service we authorized wastage

at the above rate to be Charged as wastage

by damage in the Accounts of the

Quarter

x 2 Grace x 280 Mercalls.

x Let the Quantity submitted

11707 Forts: George 11th September 1813

Quarter Master of the Corps:—

3. The Grain in question is stated by the Commissary General to have been provided by the Collector of the Guntoor Circar and was intended to have been sent before the monsoon last year to the Presidency, but as tonnage could not be obtained for the whole quantity before the rains set in it lay for several Months in Godowns at Nizamapatam before it could be removed and in Consequence of which a portion of it was damaged.—

4. In this place it is necessary to explain that the Accounts of Quarter Masters of Corps of Cavalry have been subjected to audit and Control in our Office, and as on various occasions Grain has been issued which has suffered some injury either from the depredations of

Insects

11708. Fort St. George 11th. September 1813

Inorder, the inclemency of the weather and other accidents to which Grain is liable, it has been customary for the receiving Officers to assemble Committees for the purpose of ascertain= =ing its State, and the reports of Com= =mittees have been considered the proper voucher to authorize the Extra wastage to be written off. If the above practice had not been sanctioned by us, it would have become necessary that the Department of supply should clean the Gram previous to delivery, an ope= =ration that could not have been per= =formed on large quantities without much expence and Considerable delay, or otherwise that each case of extra wastage as it occurred, should be= =Committed for the sanction of Govern= =ment

Fort St. George 12th Septr 1813

Government, but by the mode hitherto adopted.
Grain issued to Regiments is when necessary
cleaned by the followers of each Corps with
facility and without incurring any additional
expence to Government.

5. Having thus explained the
grounds of the practice which has obtained
for a length of time, we have the honor to state
our opinion that it would not be expedient
to make any alteration in the existing system
as we do not conceive it would be advisable
to hold out that Extra Wastage would be
admitted, and we recommend that, as
heretofore it may be passed to the extent
which may be ascertained and proved by
the Proceedings of Committees which we
may Consider adequate. In the absence
of such Proceedings any deficiency will
of Course be retrenched, for it would

rent

11710 Fort St. George 11th September 1813

rest with the parties as formerly, to refer
such retrenchments for the Ultimate decision
of Government, agreeably to the Rules which
have prevailed hitherto —

We have the Honor to be,

Fort St. George
2d. September 1813

V.a V.e,

/Signed/ E. Trapaud
Robt. Bell
T. H. S. Conway
C. Blacker
W. Morrison
J. Prendergast

Minute of the Military Auditor Genl.

In Conformity with the notice
which I gave to the Board at the last
Meeting, I now beg leave to State —

that under the existing
Regulations for the Com
missariat Department

I

11711

Fort St. George 14th September 1813

I suppose hind it is not
Competent to the Board
to Authorize a charge of
Wastage on Gram esc =
= ceeding one Quarter
per Cent — The 9th —
Paragraph under the
Head Cavalry Supplies
Regulation which I
Can find applicable to
the case. —

It has been stated
that under the former system of Cavalry
supplies extra charges on Account of
Wastage were uniformly passed
on the fact of the Wastage being
established by the proceedings of a
Committee admitted, this to have
been

Fort St. George 14th September 1813

been the Case I am still bound to attend to existing Regulations and must therefore abject to Custom or former Regulation being Considered as authority for my guidance, besides which, the present case appears to me to be of an irregular nature.—

A quantity of Grain is delivered to the Troops of Horse Artillery which in consequence of its having become in some degree damaged or in a state to require Cleaning, the Board have directed, on information obtained thro' a Committee appointed for that purpose, that in place of the usual quantity of 5 Measures per one Horse per day 5 ¼ Measures of this Grain shall be issued as it is Calculated

that

11713

Fortt George 11th September 1813

That on the Clearing, it will be re-
duced to 10 per Cent —

It is provided by the 11th
Paragraph of the Regulations for the
Department of Cavalry Supplies that
in Cases of loss or damage to Grain
on Field Service the amount may be
written off under the authority of the
Officer commanding the Army, but in
such cases the Officer in Command
must be considered as representing
the Government which rather Confirms
my opinion that the wastage of 5
per Cent on the Grain delivered
to the Horse Artillery which the
Board have sanctioned requires the
authority of Government before it
can be regularly allowed in the
Public

Mili
Offi
26.

No. 3
To the
Board
it inv
to ma
Chang

11714 Fort St. George 14th. September 1813.

Public Accounts. I accordingly request that the question which has given rise to this Minute may be submitted for the approval of Government accompanied by a Copy of this Minute.—

Milt. Auditor Generals Office, Fort St. George 26th. August 1813.

(Signed) I. Prendergast
Mily Audr. Genl.

(A true copy)
(Signed) Thos. MacLeane
D. S. M. B.

Ordered that the following letter be dispatched to the Military Board.—

To the President and Members of the Military Board.

Gentlemen,

No. 31.

To the Military Board — Consider it inexpedient to make any change in the present

Para 1. I am directed by the Hon: = nourable the Governor in Council to — Knowledge the receipt of your letter of

11715

present mode of examining the state of grain provided for the Cavalry or to recognize the practice by regulation — But directs that all instances of wastage, exceeding the rate authorized by the existing regulations, be reported, for sanction, to Govt —

Fort St. George 11th September 1813

Sir,

I have the honor to transmit herewith the enclosed Copy of a Minute recorded by the Military Auditor General —

2. The Governor in Council has deemed it inexpedient that any alteration should take place in the mode, which is described to have hitherto obtained, of examining and reporting upon the state of grain provided by the Commissariat for Cavalry supplies or that any regulation recognizing either the existence, or the Continuance, of this practice on the special occasions, on which it is in use, should at present be published —

3. But His Excellency in Council desires that each Case of Wastage, exceeding the Amount admissible under the regulations may be submitted by you for the Sanction of the Government previously to

11716

Fort St. George 12th. September 1813

to authority being given for allowing the Charges in the Accounts of Quarter Masters of Corps of Cavalry.—

I have the honor to be,

Yr.
Yr.

Signed/ Ed. Wood

Secy. to Government

Fort St. George
14th. September 1813

To His Excellency Lieutenant General
The Honorable John Abercromby
Governor in Council

Yr.
Yr.
Yr.

No. 32. — Honorable Sir,

From the Mily Board. Submits Copy of Correspondence with the Marine Board regarding the irregular manner in which Military Stores are landed from the Indiamen; and recommends that a Communication on the subject be made to the Court of Directors.

1. With reference to a letter from the Secretary to Government in the Military Department - dated the 30th January 1812 and to the extract from a General letter from the Honorable the Court of Directors under date the 10th July 1811 therewith transmitted for our guidance

1717 Fort St. George 14th September 1813

guidance, we have now the honor to =
state, that having adopted in the new
Code of Regulations for the Ordnance
Department the Rules printed out by
the Honorable Court for landing their
Military Consignments, we entertained a
hope that it would not be necessary
for us to bring to the notice of Govern=
=ment any further representations con=
=nected with this important duty, but
the Commissary of Stores in charge of
the Arsenal having reported that no=
=cessitious delays could in every instance
ensure a strict adherence to the Regula=
=tions regarding Boats, as the Officers
Commanding on board the Indiamen
were in the habit of sending the Stores
nearest to hand on shore in whatever
Boats were along side, whether sent off
from

11718

Fort St. George 11th September 1813

from the Military or any other De-
partment, we directed a Communica-
tion of which No. 1 is a Copy to be
made to the Marine Board with a
view of ensuring more regularity in
future; and the reply from their Secre-
tary is Contained in No. 2.—

From the Statement Con-
tained in the letter from the Secretary
of the Marine Board, it appears that
one of the principal causes which
have led to the inconvenience ad-
verted to is the irregular manner
in which the outward consignments
are laden in England, and as this
is a point over which we can have
no controul, we have deemed it to
be our duty to submit for the con-
sideration of your Excellency in Coun-
cil

11719 Fortt. George 14th. September 1813

Council whether it may not be advisable to request the attention of the Honorable Court to the means which may be best adapted to ensure the delivery of their Military consignments in a manner Corresponding with their orders and expectations - and also in Conformity with the Regulations established by Government for the Conduct of the Ordnance Department.

Section XIII

Fortt. George
2d. September 1813

We have the Honor to be

Sir,

Your

Most Obedt. Servts.

(Signed) Eyre Shapland
Robt. Bell
T. H. S. Conway
V. Blacker
W. Morison
I. Prendergast

To

11720

Fort St George 14th September 1813

To the Secretary to the Marine Board

Sir

With reference to my letter of the 20th Ultimo I am directed by the Military Board to State for the information of the President and Members of the Marine Board, that the Commissary of Stores in Charge of the Arsenal, has in a report of which the enclosed is a Copy, stated the difficulty which he experiences in carrying into effect the Regulations for the Honorable the Court of Directors in consequence of Stores being landed before Boats could possibly be sent off by the proper Department and the Military Board have directed me to request that such orders may be issued to the Commanders of the Honorable Company's Ships as will insure

a

11721

Fort St. George 12th September 1813

a greater regularity in future.-

Fort St. George
12th August 1813.

Sam Sir,

Vz Vz Vz Vz

I Signed W. Ormsby

S. M. B.

To the Secretary to the Military Board

Sir,

Your letter of the 12th Instant
with its enclosure having been laid be-
=fore the Marine Board, I am directed
to state to you for the information of
the Military Board that from the irre-
=gular manner in which the outward
consignments, Consisting of a very great
variety of Articles, are laden in England
immediate dissemination of the different
packages Vz at the Port of delivery be-
=comes very difficult and in many
instances almost impossible and that

on

1722 Fort St. George 14th September 1713

on this account Articles are frequently
landed as they come to hand without the
Officers on Board being able to Separate
the Consignments for the respective Depart:
= ments of Government. I am further directed
to State that the important object of getting
the Ships ready to prosecute their voyage
to Bengal as soon as possible renders the
expeditious delivery of the Cargoes necessary;
and with this view the Commanders are
instructed immediately on their arrival to
land their Consignments with all prac:
= ticable expedition, delivering them to
the Officers duly appointed to take charge
of them. In order to obviate the temporary
inconvenience felt in the Military Depart:
= ment until the invoices are distributed
The Board are of opinion that the
Commissary of Stores upon the receipt
of

11723 Fort St: George 11th September 1813

of the usual notification made to you from this Office should ascertain by application to the Master Attendant, whether Boats have been sent off either on account of the Commercial or Marine Department, and cause his Servants to be prepared accordingly to receive charge of any Military Stores that may be landed previously on those occasions —

Orders will be issued to prevent as much as possible in future the landing of Civil and Military Stores in the same Boat. —

Board of Trade Office
27th August 1813.

I am Sir,
Yr. Yr. Yr.
(Signed) J. Gwatkin
Secretary

(True Copies)
(Signed) W. Ormsby
A. M. B.
Orders

11724

Fort St. George 14th September 1813

No. 33.

Order thereon

Ordered that the following letter be dispatched to the Secretary at the East India House, London.—

To William Ramsay Esqr.

Secretary at
the East India House
London.

Sir,

No. 34.

To the Secy to the East India House London — Represents the difficulties experienced by the Commissary of Stores in charge of the arsenal in conforming to the Regulations established for his guidance in landing Military Stores, and requests that measures may be taken to ensure greater regularity in England in lading the outward Consignments — Reports that the Pay Certificate of Ensign Stewart of the 18th Regt. N.I. forwarded with the General letter of the 25th Ultimo has been Cancelled that Officer having failed to procure a passage on the Rose

Para 1

I am directed by the Hono-
rable the Governor in Council to request
that you will lay before the Honorable
the Court of Directors the enclosed Copies
of a Letter from the Military Board
at Fort St. George, and of its enclosure
from the Secretary to the Marine Board,
relating to the difficulties which are
found to oppose every endeavour of the
Commissary of Stores in charge of the
arsenal to conform to the regulations esta-

11725

Fort St. George 11th October 1813

Rose - Transmit a further address from Lieut. Col. Pierce apologizing for the intemperate language in which his Memorial to the Honorable Court, was couched -

established for his guidance in landing Military Stores -

2 The Governor in Council is desirous of attracting the early attention of the Honorable Court to the Subject of this reference with a view to the adoption of Measures calculated to ensure greater regularity in England in loading the out = ward Consignments, to the want of which the inconveniences attending their delivery are principally ascribed. -

3. I am further directed to - transmit to you the accompanying Copies of a letter and of its inclosure from the - Accountant General applying for authority to Cancel the pay certificate, Duplicate - of which was forwarded in the packet adverted to in para 46 of the General Letter from this Department Dated 25th ultimo

11726 Fort St. George 11th September 1813

Ultimo granted from his Office to Ensign W. Stewart of the 18th Regiment Native Infantry, who had failed to Secure a passage to Europe on the Honorable Company's Ship Rose; and to request that you will State for the information of the Honorable Court that authority was given to the Accountant General accordingly. —

With reference to para 39. of the General letter of 25th Ultimo, trans= mitting a Memorial to the Honorable Court from Lieutenant Colonel Pierce, but Noticing the disrespectful and intemperate Language in which it was couched, I have it in Command to request that you will Submit to the Honorable the Court of Directors, the Accompany= ing address Subsequently received from that Officer apologising for the error into which

11727

Fort St. George 14th. September 1813

which he had fallen, together with copies of the Letters with which it was laid before the Honorable the Governor in Council. —

Fort St. George
17th. September 1813

I have the honor to be,

Sir,

Your most obedient
humble Servant

/Signed/ Ed. Wood

Secry. to Government

Read the following Letters from the Military Auditor General.

To His Excellency Lieutenant General
The Honorable John Abercromby
Governor in Council

Sir, Madras, Madras, Madras,

No. 35

From the Mily. Auditor General. States the Commutation usually allowed to Recruits for the Care of horses belonging to the Company, on their voyage from England.

1.

In reference to that part of the Minutes of your Excellency in Council under date the 10th Ultimo, which directs me to state the reward usually allowed to Recruits for the care of Horses belonging

11728.

Fort St. George 12th September 1813.

To the Honorable Company on their Voyage from England, I have the Honor to report that the reward Ordered by the Honorable Court of Directors to a Recruit who was charged with the care of the English Horse Champion on the voyage to Madras in the year 1804, was Fifty Rupees, or Pagodas 14.—12.—60. for which sum a Bill was drawn on the Military Auditor General's Office; Fort St. George 11th September 1813.

No. 36.
Resolution thereon

of Government on the face of the Bill.——

The above appears to be the only instance on record in this Office of a disbursement of the above description.——

I have the Honor to be,

Sir, Your, Most, Obedient, Humble Servant,

/Signed/ J. Prendergast

Mily Audr. General

Resolved that authority be given for payment of the Sum of Star Pagodas 14—12.

11729

Fort St. George 14th September 1813

f° 6.

12th 60 to Patrick Curran, the recruit, who had charge during the voyage of the Rose Indiaman, of a mare the property of the Honorable Company, and in whose behalf an application was submitted to the Board in a letter, dated the 5th ultimo, from the Commander in Chief's Military Secretary.—

To His Excellency Lieutenant General
The Honorable John Abercromby
Governor in Council
&c, &c, &c,

No. 37.

From the Military Auditor General. Recommends that his Deputy may be permitted to be absent from the Presidency for 12 days, for the purpose of proceeding to Vellore to meet his family.—

Honorable Sir,

I. I have the honor to transmit herewith a letter addressed to me by my Deputy Lieutenant Rundall requesting your permission to be absent from the Presidency for twelve days to proceed to Vellore, which indulgence I hope your Excellency.

11730 Fort St. George 14th September 1813

Excellency in Council will be pleased
to grant for the reasons assigned by Lieu:
tenant Rundall.

I have the honor to be,
Yr. Yr. Yr.
/Signed/ J. Prindergast
Mily Audr. General.

Military Auditor General's
Office, Fort St. George
10th September 1813

Major J. Prindergast
Military Auditor General

Sir,

I have the honor to request
you will do me the favor of obtaining
the permission of the Honorable the
Governor in Council for my being absent
from my official duties for the space of
twelve days for the purpose of proceed:
=ing as far as Vellore to meet my
Family who are on their return to the
Presidency from the Mysore Country.

I have

11731

Fort St. George 14th. September 1813

Fort St. George
September 10th. 1813.

I have the honor to remain

&c, &c, &c,

/ Signed / Chas. Rundall

Depy Mily Audr. Genl.

№ 38.
Resolution thereon

Resolved that Leave of absence be accordingly granted to Lieutenant — Rundall. —

Read the following letters from the Accountant General. —

To the Chief Secretary to Government

Sir,

№ 39.
From the Accountant General. Requests authority to Cancel the pay Certificate granted to Ensign Stewart of the 17th. he not ... having secured a passage to Europe by the Rose —

I have the honor to submit Copy of a letter received from Ensign — W. Stewart of this day's date, stating that he had not secured a passage — to Europe on the Rose, and requesting that his last pay certificate of the — Presidency Paymaster may be returned to him - to enable him to continue —

drawing

11732.

Fort St. George 11th September 1813

drawing his pay in this country —

As on the last pay =

certificate of the Presidency Paymaster

this certificate from this department

dated the 2d August was granted du:

= plicate and triplicates of which, were

sent up to Government under that date,

it appears necessary that the latter

should be cancelled previous to the

returning of the former to Ensign =

Stewart - and I therefore request the

authority of His Excellency in Council -

to cancel it accordingly —

I have the Honor to be,

Accountant General's

Office, Fort St. George

8th September 1813

Vr, Vr c,

/Signed/ Geo: Garrow

Accountt. Genl.

To the Accountant General

Madras

Sir,

In consequence of my not =

getting

11733

Fort St. George 14th September 1813.

getting a passage on the first to Europe am
necessitated to draw more pay — The Paymast
has informed me that he cannot pay me
any money until I return him the pay
certificate that he gave me, and that I de
liver into your Office, upon my receiving
the enclosed. I will be greatly obliged by you
returning me the required certificate, tha
I may be enabled to draw pay —

I have the honor to be

Sir, Your, Your,

/Signed/ W. Stewart Ens.

1st Batt. Coast 18th Reg.t N.

/True Copy/

/Signed/ John G. Trumbull

Deputy Accountt. General

No 20

Resolution thereon

My Department

Resolved that authority be

given for cancelling the pay certificate

granted

11734

Fort St. George 14th. September 1813.

granted, under date the 2d. Ultimo, to

Ensign W. Stewart, from the Office of the

Accountant General.

To the Chief Secretary to

Government

Sir,

I have the honor to submit

to be laid before His Excellency the

Honorable the Governor in Council copy

of a letter received in this department

from Captain Macdowall Paymaster at

Trichinopoly dated the 30th. July last —

with its original inclosures being two

abstracts for pay in arrears for March —

April, May, and June last to one —

Conicopoly and a Shroff who have been

and are at present employed in the

Coimbatore District to pay a detachment

serving in that country on field Service. —

Captain

No. 41.

From the Accountt General - Recommends that the Paymaster at Trichinopoly be authorized to employ a Conicopoly and a Shroff at the monthly expence of Pagodas 7. for the purpose of issuing pay to the Detachment of Troops in Coimbatore - & that his abstracts for the Salaries in arrears for march, April, may & June, be passed. —

11735 Fort St. George 11th September 1813

Captain Maitland requests the sanction of Government for discharging the amount of the two accompanying Abstracts and for the permanently maintaining the establishment now entertained Viz.t of one Conicopaly on five Pagodas & and one Shroff on two Pagodas monthly pay.—

The establishment which is employed by the Paymaster is on the most reduced scale and one which when Troops were formerly Stationed in Coimbatore was allowed by Government for the issuing of pay to them — and as a smaller establishment could not perform the duties required to be transacted by it— I beg leave to recommend that it be sanctioned from the first of March from which day it was first entertained

and

11736

Fort St. George 4th September 1813

..and be continued at the monthly expense
of 1 pagoda seven until the force now
serving in Coimbatore shall be with-
= drawn —

Accountant General's Office
Fort St. George;
10th September, 1813.

I have the honor to be
Va. Va.
/Signed/ Geo: Garrow
Accountt. General

To the Accountant General.
Fort St. George

Sir,

I have the honor to enclose
two abstracts of Pay in arrears for March
April, May, and June last to 1 ~
Conicopoly and a Shroff, whom I have
employed in my Department to issue
pay to the Detachment on Field Service
in the Coimbatore District in Conformity
with the establishment allowed by ~
Government

11735 Fort St. George 11th September 1813

Captain Maitland requests the sanction of Government for discharging the amount of the two accompanying abstracts and for the permanently maintaining the establishment now entertained Viz.t of one Conicopaly on five Pugodas and one Shroff on two Pagodas monthly pay.—

The establishment which is employed by the Pay master on the most reduced scale and one which when Troops were formerly Stationed in Coimbatore was allowed by Government for the issuing of pay to them — and as a smaller establishment could not perform the duties required to be transacted by it— I beg leave to recommend that it be sanctioned from the first of March from which day it was first entertained

and

11736 Fort St. George 4th September 1813

..and be continued at the monthly expense
of Pagodas seven- until the force now -
serving in Coimbatore shall be with-
= drawn —

Accountant General's Office
Fort St. George;
10th September, 1813.

I have the honor to be
Sir
Your
Most
Obedient
Humble
Servant
/Signed/ Geo: Garrow
Account. Genl.

To the Accountant General.
Fort St. George

Sir,

I have the honor to enclose
two abstracts of Pay in arrears for March
April, May, and June last to 1 -
Conicopoly and a Shroff, whom I have
employed in my Department to issue
pay to the Detachment on Field Service
in the Coimbatore District in Conformity
with the establishment allowed by -
Government

11737 Fort St. George 14th September 1813

Government formerly while Troops were
Stationed at the 3rd Cantonment and request
that they may be Submitted for Sanction
and payment to the Constituted authorities.—

As the Detachment above
= mentioned is Stationed at Coimbatore
I request authority for permanently employing
the said Establishment of Servants as usual
to enable me to transact the public Service

I have the Honor to be,
&c. &c.
/Signed/ L. M'Dowall
Paymaster

Trichinopoly
30th July 1813

/A true Copy/
/Signed/ John Turnbull
Deputy Accountt Genl. M. D.

No. 42.
Resolution
thereon

Under the Circumstances
stated in the foregoing letter, the Board
resolve that authority be given for pay
ment

11738

Fort St. George 14th September 1813

payment of the enclosed abstracts for pay
& arrears for March, April, May and
June of the Conicopoly and Shroff employed
in the pay department in the Coimbatore
district, as also for the Continuance of this
establishment at the Monthly expence of
Pagodas 7 until the field force serving in
that district shall have been withdrawn.——

Read the following letter
from the Town Major of Fort St. George.—

To the Chief Secretary to Government
Fort St. George

Sir,

I have the honor to request
you will submit for the Consideration &
Sanction of the Honorable the Governor
in Council the enclosed Papers and Bills
for Pagodas 363 : 20 : 1/3 for Slops furnished
by the Agent for Army Clothing to the
Recruits

No. 43.

From the Town major of Fort St. George:- Submits, for sanction, bills for slops furnished to recruits recently arrived from Europe.—

11739 Fort St. George 14th September 1813

Recruits lately landed from the Honorable Company's Ships General Stuart, Thistlart Ocean and Dewaynes.

Town Major's Office
Fort St. George.
9th September 1813

I have the honor to be, Sir,
Your most obedient humble Servant
/ Signed / J. S. Fraser
Town Major

No. 44

Order thereon

Ordered that the enclosed Bills of the Agent for army Clothing for Slops furnished to the recruits recently arrived from England by the Honorable Company's Ships General Stuart, Thistlart, Ocean, and Dewaynes, be transmitted for examination and eventual Adjustment to the Military Auditor General.—

Read the following Letter from the Solicitor for the Honorable Company reporting the advocate General's opinion on the point noticed in

1740

Fort St. George 11th September 1813

In the Honorable Court's general letter
of 9th September 1812—
To the Chief Secretary to Government

Sir,

No. 45.

From the Solicitor of the Honorable Company. States the Advocate General's opinion on the point referred to him on the 11th June last.—

The letter from the Secretary to Government in the Military Department under date the 11th June last, enclosing an Extract from the General Letter from the Honorable Court of Directors Dated the 9th September 1812 / para 164 / with a Copy of the Resolution of the Honorable the Governor in Council passed thereon, have been submitted to the Advocate General, with the former Papers on the same subject, and I am desired by him to State that he Concurs in the opinion expressed in my Report referred to in the General letter, and thinks that such attendance of Witnesses as

is

11741

Fort St. George 14th. September 1813

is referred to Cannot be enforced without
the enactment of the Legislature.—

Fort St. George
9th September 1813

I have the Honor to be
&c, &c,
Signed &c
Solicitor for the Honorable
Company

No. 46
Resolution thereon

Resolved that the foregoing
letter be recorded for the information of
the Honorable the Court of Directors in
the next general dispatch from this de:
=partment.—

Read the following letter
from the Deputy Secretary to the Govern:
=ment at Columbo—

To George Strachey Esqr.
Secretary to Government
Military Department
Fort St. George.

No. 47.
From the Deputy
Secry to the Govt
at Columbo.—
In

Sir,

I have the honor to acknowledge your letter of the 20th ultimo
transmitting

1742

Fort St. George 14th. September 1813

In reply to the letter of the 20th. Ultimo, explaining the circumstances under which Modar Syrang of Store Lascars mentioned in a letter from the Military Board, was dismissed from His Majesty's Service on Ceylon. —

Transmitting by direction of the Honorable the Governor in Council of Fort St. George, — the Copy of a letter from the Military Board of that Presidency, has been laid before Lieutenant General Brownrigg; and in compliance with the desire expressed by the Honorable the Governor in Council, that the circumstances under which the late Syrang of Store Lascars mentioned in the Letter from the Military Board, was — discharged from His Majesty's Service in Ceylon, should be stated "in as full a manner as may be practicable," I have the honor by His Excellency's directions to acquaint you as follows. —

The attention of the — Lieutenant General having towards — the latter end of last year been drawn to the Considerable amount to which

Family

11741

Fort St. George 14th. September 1813

is referred to Cannot be enforced without
the enactment of the Legislature.—

Fort St. George
9th September 1813

I have the Honor to be
&c, &c,
Signed, W. Orisse
Solicitor for the Honorable
Company

No. 46
Resolution thereon

Resolved that the foregoing
letter be recorded for the information of
the Honorable the Court of Directors in
the next general dispatch from this de:
=partment.—

Read the following letter
from the Deputy Secretary to the Govern:
=ment at Columbo—

To George Strachey Esqr.
Secretary to Government
Military Department
Fort St. George.

No. 47.
From the Deputy
Secy to the Govt.
at Columbo.—

Sir,

In your letter of the 20th ultimo
transmitting

1742

Fort St. George 14th September 1813

In reply to the letter of the 20th Ultimo, explains the Circumstances under which Nadar Syrang of Store Lascars mentioned in a letter from the Military Board, was dismissed from His Majesty's Service on Ceylon. —

Transmitting by direction of the Honorable the Governor in Council of Fort St. George, — the Copy of a letter from the Military Board of that Presidency, has been laid before Lieutenant General Brownrigg; and in compliance with the desire expressed by the Honorable the Governor in Council, that the circumstances under which the late Syrang of Store Lascars mentioned in the Letter from the Military Board, was — discharged from His Majesty's Service in Ceylon, should be stated "in as full a manner as may be practicable," I have the honor by His Excellency's direction to acquaint you as follows. —

The attention of the — Lieutenant General having towards — the latter end of last year been drawn to the Considerable amount to which

Family

11743 Fort St. George 11th September 1813

Family Certificates had arisen in the Corps of Pioneers Lascars from the period of their being formed into a Military Body: and having an enquiry reason to believe that the indulgence they were intended to confer was greatly abused, a Court of Enquiry was assembled to investigate the subject, a Copy of the Proceedings of which No 1 is Enclosed. —

By this Investigation it was made manifest that the Susp: =picions which had been entertained were well founded and that not only these Certificates had recently been greatly increased in number, but that instead of them being applied to the Relief of the Wives and aged Parents of the Pioneers residing on the Continent of India, by far the largest proportion had

11744 Fort St George 14th September 1813

had been bartered for money to the Native officers of the Corps, and that the Subadar Madar Syrang was one of the Principal Purchasers and Brokers in this traffick, thus perverting the purpose for which the Government had been induced to Grant them. —

The Lieutenant General in consequence ordered all family Certificates to be cancelled, and that measures might still be afforded for the relief of the families of Natives of the Coast, who were really absent from the Island, and left destitute at a distance, Commanding officers of Native Corps were strictly enjoined in granting new Family Certificates, to satisfy themselves that they were bona fide for the maintenance of a Wife, Child

11745

Fort St. George 11th September 1813

Child or Parent actually residing on the Continent of India and depending on the Soldier serving in Ceylon for support, and to guard against the new family Certificates being converted into an object of Traffic and profit to Individuals, unconnected with those to whom they were granted, the Lieutenant General ordered that they be issued at 63 fanams per Star Pagoda, the then established Exchange between Madras and Ceylon, in payment of Grain imported to this Island a Copy of His Orders respecting which, are contained in enclosure A.

In the Month of January it was discovered that Considerable insubordination prevailed in the Corps of Pioneer Lascars, many of whom

11746 Fort St George 12th September 1813

whom refused to work; in Consequence a

No 2. Garrison Court Martial (No 2.) was held for

the Trial of some of the most refractory; —

all of whom were found guilty, and two —

were ordered to receive a portion of the —

punishment awarded them. —

When the Punishment of

these two Men was about to be inflicted,

No 3 the Petition (No 3.) was given in by them

to the Commanding Officer, from which it

appeared, that these Poor misguided Crea-

tures, had been mere Tools in the hands

of other who should have known better.

and that of these, Madar Syrang was the

Principal

Report of this being made

to the Lieutenant General, He was pleased

to order a Court of Enquiry consisting of

Officers and Conductors of the Corps of

Pioneer

11747 Fort St George 12th September 1813

Pioneer Lascars, to enquire into the truth
of the allegation of the Pioneers, and the
No 4 enclosure No 4 — is a Copy of its Proceed-
= ings —

From these it will be seen
that the Sycrongs not only made the
subject of Family Certificates a cause of
exciting what nearly amounted to mutiny
in the minds of the Pioneers, but that
they endeavoured to work on their pre-
= judices of Cast, by alarming them with
the apprehension of having their Hair cut
and the wearing of Dresses inconsistent
with their rooted Customs; Circumstances
which were never in Contemplation nor
have ever been practised —

A pressure of other Business
prevented Lieutenant General Brownrigg
from giving his immediate attention to
the

11748

Fort St. George 11th. September 1813

The Comment of the Native Officers as —
exposed by this Enquiry, and before the had
time to make known his pleasure on the
subject, the Petition No. 5. Copy of which
is also inclosed was delivered to the Officer
Commanding this Garrison, who ordered
a Court of Enquiry Copy of which No. 6 is
enclosed to investigate the Complaint,
set forth — whom it appearing that not
only had Madar Syrang, beat the
Complainant; but that he had done
so in defiance of the very recent Circ:
cumstance of the Lieutenant General
having been under the disagreeable —
necessity of confirming the Sentence of
a General Court Martial which tried
an Officer / Lieutenant Little / of the
Ceylon Gun Lascars for Beating and
wantonly Maltreating the Lascars under

his

No. 5

No. 6.

11749 Fort St. George 11 Sept. 1813

his Command, by which Sentence he was Cashiered; and in which occasion a General order of which the Enclosure No. 1 is an Extract was published:—

It is further necessary to state, that previously to the last mentioned Circumstance Madar Syrang had been accused before the Sitting Magistrate, of Embezzling Ordnance Stores. and although the Charges against him were not substantiated, yet there was enough to shew, that he had in his House, a Collection of Articles, of little Value, that must have been taken from the Stores, but which a Mr Thompson a Conductor of Ordnance Stores,— who is one of the Persons who speaks to the Character of the Syrang, stated had been given and sent to him at

different

11750 Fort St. George 14th. September 1813

different times — The Search of the Syrangs House led to the knowledge of his being possessed of 3100 Star Dollars, which is mentioned to shew, that he had, at least been successful in his Trade of negotiating Family Certificates —

The accumulation of — circumstances mentioned in which Madar Syrang was made an Agent implicated, in all of which he was — known to have taken the lead, decided the Lieutenant General who / alth' the other native officers of the Pioneer Corps over whom Madar — Syrang had an intire influence also were culpably concerned / judged — it would be sufficient for the purposes of example and Discipline, to discharge the principal from His Majesty's — Service,

11751 Fort St. George 11th September 1813

Service, which got us recording by prob-
=lished by the accompanying general —
No 8. order No 8. —

From the foregoing repre-
=sention Lieutenant General Brownrigg
trusts it will appear to the Honorable
the Governor in Council that He was
founded in the steps He took in the
Case of Madan Tyrany, and that He
is a person altogether unworthy the pro-
=tection of the Madras Government and
that his having Petitioned that Government
was a part of His original Plan, which
if he succeeded in, will be attended with
prejudicial consequences here, as the —
native Soldiers, Particularly those of the
Corps to which he belonged, are no
doubt, watching His progress, and —
their Conduct will naturally be influenced

by

11752

Fort George 14th September 1813

by the result of the measures We is
now pursuing at Madras. —

With regard to the Lyrang
insurrection having obtained Testimo-
nials from the Ordnance Store Keeper
and two of his Subordinate People,
The Lieutenant General is Satisfied
that the Honorable The Governor in
Council will agree with Him, in
the great impropriety of their having
been granted, after his opinion of the
mans misconduct had been Publickly
declared. —

I have the honor to be,

Chief Secretary's Office
Columbo, 13th August 1813.

Sir,
Your most
Obedient
Humble Servant
(Signed) James Gay.
Deputy Secry to Govt

To Major Kelly.
4th Ceylon Regiment

Sir,

The attention of the Com-
manding

1753 Fort St. George 14th September 1813

Commander of the Forces having been
called to the annual increase of Family
Certificates granted in the Corps of Ceylon
Pioneer Lascars since the new formation
of that Corps, as well as to Artificers em-
=ployed in the Engineer Department which
being to an extent, and to an amount,
that naturally excites an apprehension
that instead of their being applied to the
relief of the Wives Children and Aged
Parents of these Classes of Persons residing
on the Continent of India they have been,
or are intended to be in many cases Bar-
=tered for Money at a rate of Exchange
beyond that, at which the Parties are
paid here, so as to afford the opportunity
of practising an abuse whereby the Pay
of the Persons obtaining these Certificates is
enhanced to the detriment of the Publick
Interest

11754

Fort St. George 14th September 1813

Sir — His Excellency has been pleased to appoint you President of a Court of Enquiry, ordered to assemble on the 16th instant for the investigation of the circumstances under which Family Certificates to the Persons mentioned have been granted.

To facilitate your Enquiries I transmit by His Excellency's directions the Accounts of Disbursements of Family Certificates for the Month of June, July, and August last together with a Letter from Captain Baird in Answer to Queries sent to Him by the Commander of the Forces respecting these Certificates as well as a Return of Men of the description mentioned who draw Pice for their Families in this Island.

I have

11753 Fort St. George 11th September 1813

The Points upon which His

Excellency particularly wishes you to direct

your Enquiries and to report upon are.—

1. The number of Family Cer-

= tificates granted in the Corps of Pioneers

Store and Engineer Lascars, and Artificers

previous to the formation of the present

Corps of Ceylon Pioneer Lascars.

2. The Number and Amount

of Family Certificates now granted in the

last mentioned Corps, and to the Artificers

employed in the Engineer Department

with the grounds upon which, and the

Manner in which they have been sere-

= really obtained.—

3. What proportion the

Family Certificates bear to the Pay of the

Persons enjoying the—

4. Whether the Persons having

obtained

11756 Fort St. George 14th September 1813

obtained Family Certificates have Wives
and Children with them in this Island
for whom Rice is drawn? —

5. Whether the Persons having
obtained Certificates are Natives of the Coast
= nation and have Wives Children or —
Aged Parents residing there and depend:
= ing upon them for support? —

6 Whether the Certificates
granted are really appropriated to the
support of Persons so depending upon those
to whom they have been given, or by —
negligence are perverted to a source of
profit to the Individual here, and lastly
Report the opinion of the Court at what
rate Government should be reimbursed
for the Certificates granted as a =
= mong during the present state of Exchange,
so as to place the Persons having Certi:
ficates

11757 Fort St. George 14th September 1813

Certificates, and those who do not apply
for them, on a footing of equality in regard
to Pay and Allowances.—

Military Secretary's Office
14th December 1812

I have the honor to be,
&c. &c.
(Signed) Robt. Brownrigg
Mily Secretary

Proceedings of a Court of Enquiry held by
Order of His Excellency Lieutenant General
Brownrigg — Columbo 16th December 1812.—
Major Kelly 4th Ceylon Regiment President
Captain Hook 2d Ceylon
Paymaster Muir 2d Dº — — Members

The Court having assembled pursuant to
General Orders of the 14th instant proceeded
to the investigation of the particulars, as
set forth in the Military Secretary's Letter
bearing date 14th December 1812.—

1st The Members of Family
Certificates

11758

Fort St. George 14th September 1813

Certificates granted in
the Corps of Pioneer, Store,
and Engineer Lascars,
and Artificers, previous
to the formation of the
present Corps of Ceylon
Pioneer Lascars.—

1st ly The number —
and Amount of Family
Certificates now granted
in the last mentioned
Corps and to the Artificers
employed in the Engineer
Department, with the
grounds upon which,
and the manner in
which they have been
severally obtained.—

3dly What proportion
the

	Amount P. f. C.		
In June ber	269	236	22. 20
" October	396	576	10. 0
" November	396	583	10 "

1761 Fort S. George 1st September 1813

The Family Certificates granted previous to the formation of the Ceylon Pioneer Lascars, to be as follows. Dyt.

Certificates

For June 1812. - - - - 187

" July - - " - - - - 188.

" August - - " - - - - 185.

The Court finds that the Number and amount of Family Certificates now granted to be as follows Dyt. In September 1812.—

	Certificates	Amount P. F. C.
Engineer and Store Lascars	185	333 " — 22. 46
Bullock Drivers	81	93 " — " — "
Brick Layers	3 "	— 10 " — " — "
	269	436 " — 22. 46.
In October D. of Certificates	396	576 — 10 " — "
" November D. D.	398	585 — 10 " "

1st " Witness — Captain Page Commanding the Ceylon Pioneer Lascars being called.

1752 — 7th George 11th September 1713

Called in, the Court put the —
following Questions.—

Question — Upon what grounds have
you granted Family Certificates
to the Men under your Com-
-mand, and in what manner?—

Answer — On the first of September
the native Captain and Re-
-gimental Clerk, brought
me, as Commanding Officer
of the Corps of Ceylon Pioneer
Lascars, a Number of Family
Certificates for Signature.—
I then asked the Clerk if
they were correct, and proper;
and upon His replying in
the affirmative, I signed them,
Conceiving it a point of my
Duty and returned them to
the

11761

Fort St. George the 4th September 1813

The Family Certificates granted previous to the formation of the Ceylon Pioneer Lascars, to be as follows, Viz.t

	Certificates
For June 1812.	187
" July "	188.
" August "	185.

The Court finds that the Number and amount of Family Certificates now granted to be as follows Viz.t In September 1812.—

	Certificates	Amount P.o F. C.
Engineer and Store Lascars	185	333.. — 22.. 46
Bullock Drivers	81	93.. — " —"
Brick Layers	3..	10.. — " —"
	269	436.. — 22.. 46.
In October No. of Certificates	396	576 — 10.. —
" November Do.	Do. 396	583 — 10.. —

1st Witness — Captain Page Commanding the Ceylon Pioneer Lascars being called.

11762

1st George 14th September 1813

called in, the Court put the —
following Questions.—

Question — Upon what grounds have
you granted Family Certificates
to the Men under your Com-
mand, and in what manner?—

Answer — On the first of September
the Native Captain and Re-
gimental Clerk, brought
me, as Commanding Officer
of the Corps of Ceylon Pioneer
Lascars, a Number of Family
Certificates for Signature.—
I then asked the Clerk if
they were correct, and proper;
and upon His replying in
the affirmative, I signed them,
Conceiving it a point of my
Duty and returned them to
the

11759 Fort St. George 4th September 1813

At the discretion of the Family Certificates —
the Person granting them. bear to the Pay of the —
Persons enjoying them? —

To the Number of 128

4th Whether the Persons
having obtained Family
Certificates have Wives and
Children with them in
this Island, for whom Rice
is drawn —

It appears they are, but 5th Whether the Persons
it is hard to say if having obtained Certificates
they all have Wives, are Natives of the Carnatic,
or Parents there depend and have Wives, Children,
=ing on them. or Aged Parents residing
there, and depending —
for Sums for support —

6th Whether the Certifi:
=cates Granted are really
The Board believe the applicable to the support
! greater of

Fort St. George 14th September 1813.

greater part of them of Persons so depending upon
. are perverted to wrong those to whom they have
use. — been given, or by negotiation
are perverted to a source of
Profit to the Individual here.?
Lastly . . . At what rate
of Exchange in the opinion
of the Court should Govern:
= ment be reimbursed for
By granting them at Family Certificates granted
Par as above, during the present
rate of exchange, so as to
place the Persons having
Certificates, and those
who do not apply for
them, on a footing of equa:
= lity, in regard to Pay
and Allowances. —

If the Court find upon investigation that
the

11763 Fort St. George 14th September 1813

the Clerk, on the first of October following the same Person brought me one hundred and Twenty seven Certificates which I also signed. After having made the same enquiries as before; but suspecting from the great increase of them that there was some thing not strictly correct in the Transaction, I took and delivered them to Captain Baird in charge of the Engineer Department telling him my suspicions on the subject.

Question Who besides you signed the Certificates?

Answer I signed them first, and they were countersigned by Lieutenant Spencer the Paymaster of the Corps.

Question Were the present rubbers the

11764 Fort St. George 14th. September 1813

The Ceylon Pioneer Lascars renewed their Services?—

Answer. I was—

Question. What was the nature of their Engagements, and was there any Stipulation for Family Certificates held out to them—?

Answer. None whatever, to the best of my knowledge—

2d. Witness. Captain Stewart Assistant Quarter Master General, States that He has held that Situation since the year 1808—

Question. Were not the Pioneers and Lascars attached to the Depart: ment in which you were Asst. at?

Answer. They were.—

Question. Do you know on what grounds and

11765 Fort St. George 14th September 1813

and in what manner the Family
Certificates were granted to the Indi:
vidduals of that Corps?—

Answer They were granted to People
Natives of the Carnatic, having Families
on the Coast, by the Head of the De:
partment.

Question Was there ever any restriction
as to the number or Amount of the
Certificates so granted by the Head
of that Department?

Answer None as to number, and the
Amount lay at the discretion of the
Head of the Department.—

Question Do you think they were
appropriated to the use of the Families
on the Coast?

Answer Yes, I do.

Sr. Witness Lieutn. Spencer Paymaster
Ceylon

11766 Fort St. George 14th September 1813

Ceylon Pioneers Lascars having been

called on.—

Question How long have you been —

attached to the Quarter Master General's

Department on the Island of Ceylon?

Answer I was a Conductor in the

Department from the year 1805, till

the Middle of the present year, and

had the Payment and general Superin-

=tendance of the Pioneers and

Ceylon Lascars. Bullock Drivers

and Artificers.—

Question Did the abovementioned —

Pioneers receive Family Certificates.?

Answer No except a few of the —

Artificers.

Question On what grounds were they

granted.?

Answer I do not know, but the

Individuals

1767 Fort St. George 14th September 1813

Individuals who received them told me they were for the use of their Families on the Coast.—

Question In what manner were the Certificates obtained?—

Answer I do not know.—

Question What proportion of Pay was remitted by the People holding Certificates?—

Answer I do not know.— A Roll of the balances of their Pay after deducting the Family Allowance having been sent to me Monthly from the Quarter Mr. General's Office by which I issued their Pay.

Question

[illegible] present at the time the Ceylon Pioneer Lascars renewed their [illegible] of Service?—

Answer

11768. Fort St. George 11th September 1813.

Answer. I was.

Question. Was the promise of Family Certificates held out to them?

Answer. I did not hear any made.

Question. Do you know any Persons having the Family Certificates, whose Wives and Families draw Rice here?

Answer. Yes — There are one hundred and twenty eight that draw Rice who have got Certificates.

Question. What do you suppose the Persons who have their Families on the Island, and receiving Rice from Government, do with their Certificates?

Answer. I should suppose them to be for the use of their Friends.

Who made out the Family Certificates?

Question. I do not know.

11769 Fortt. St. Georg. 14th September 1813

Question What do you attribute the
late encrease of Family Certificates
to.

Answer I thought it might have been
an indulgence on the part of Govern:
=ment to induce the Men to renew
their Services.

Question Do you know if any Compensation
was made to the Persons drawing
out the Certificates.

Answer The Master of the Engineer
Department told me the Men paid
a Rupee each for drawing them out.—

Dr. Withers Manuel Mathys first Clerk
in the Engineers Office Called on &
and examined

Question How long have you been Master
in the Engineers Office.—

Answer One year & three months.—

Question

11770

Fort St. George 14th September 1813

Question Do you know on what Grounds, and in what manner, the Ceylon Pioneer Lascars got their Family Certificates?

Answer About the beginning of September last, after the Men were sworn, Andy Serang, of the Engineer Lascars, the Commissary of the Store Lascars, also the Commissary of the 1st Company, came to me at Several different times, and requested I would draw out Certificates for the respective Corps. The Commissary of the Engineers came and made the same request. I answered them, that I would enquire into it, and let them know. That day, or the next, I met Captain Page, and asked

11771 Fort St. George 14 September 1813

asked Him if He would sign the Certificates for the Persons applying - who enquired of me if it was usual to do so? On my telling him it was Customary - He said He would sign them - On which I informed the Persons who applied to me, that if they would get them made out agreeable to a form I had shewn Captain Page, I would get them signed - about a Fortnight after the Corrioply of the Engineer Lascars, brought me one hundred and eleven Certificates for the Men of the Corps which I brought to Captain Page to Sign - On His asking me if they were all right, I answered in the affirmative, and left them with him. About the 25th of October, after parcel Coss-

sisting

11772 Fort St. George 14th. September 1813

Consisting of 130 Family Certificates were brought to me for the same purpose by the Comicopoly of the Engineer Department, and the Head Mistry of the Bullock Drivers, which I likewise brought to Captain Page for His Signature, together with the Roll for September— On presenting them to Him, He said He would first shew them to Captain Baird.—

Question — Were you present when the Ceylon Pioneer Lascars extended their Services?—

Answer — Yes— I was present at the greater part of them.—

Question — Was there any promise of Family Certificates held out to them?—

Answer

11773 Fort St. George 14th September 1813

Answer No.

Question Do you know how much was
paid to the Clerk for making out
the Family Certificates?

Answer Yes. One Rix Dollar. They
offered to pay me at that rate,
but I declined it.

Question What did they do with these
Certificates?

Answer I believe they are sent
to those people to whom they are
made payable and who are Inhabitants
of their Families.

5th Witness Captain Baird called in.

Question Did Captain Page bring you
the Certificates of the Ceylon
Pioneer Lascars for the Month of
October last?

Answer Yes. He brought me a
Handful.

1774

Fort St. George 14th September 1813

Question

Handful of Family Certificates
Signed by him, and wished
me to look at them, and let
him know if He was correct
in signing them.—

Answer

What reply did you
make.?

I did not know whether it
was correct or not, but would
make enquiry at the Clerks.
in the Office - who informed
me it was usual, on which
I returned the Certificates to
the Clerk -

Question

Previous to that Period,
did any Family Certificates
Come through your hands?

Answer

None were passed
through my hands but Monthly
Rolls

11775 Fort St. George 14th September 1813

Rolls were sent in for the Engineer Lascars from the Office —

Question. Do you know of any promise of Family Certificates having been held out to the Lascars, on their renewing their Services. —

Answer No. —

Question Do you know upon what grounds or in what manner the Family Certificates were obtained. —

Answer The Family Certificates were granted to those People natives of Carnatic who had Wives or Children on the Coast. —

Question Did the unusual number of Family Certificates excite your suspicion on their being sent in —

Answer Yes. I thought it rather extraordinary

11776 Fort St. George 14th. September 1813

extraordinary:—

Cr. Witness Native Captain Ramasawmy

Examined through an Interpreter.—

Question How long have you been —

on the Island?—

Answer Since the taking of it.—

Question When you came from the

Coast was there a Family Certificate

Answer Yes— for the maintenance of

my Family there?—

Question Did you Continue to draw

the Family Certificate Since that

period?—

Answer Yes— but for two years, but

the Paymaster at Madura informed

my Family that I was Dead,

and discontinued the payment

to them.—

Question

.11777 Fort St. George 12th September 1813

Question How much did you send monthly?—

Answer One Pagoda and three Quarters

until the first of January last, when

it was augmented to Eight.—

Question Why did you increase it so

much from January last.—

Answer Because my Family became

poorer.—

Question What sort of a Family Can:

=sist of and where do they reside?—

Answer My Father lives at Trichinopoly,

my Sisters at Madura and my

Mother in Law at Ramnad.—

Question Who is the Money made

payable to, and where does he live.?—

Answer— To Mootoo Veera Pillay

Question— Is He one of your Rela-

=tions, and why do you make

it payable to Him?

Answer He is not. I make it pray=

:able

11778 Fort St. George 14th September 1813

payable to Him, because He is a
Friend of Mine and He is a Mer-
chant of respectability. —

Question How long has he been your
Agent. —

Answer Since January last, it was
payable to my Father before. —

Question Did you pay Mootasseram
Pully any thing for his trouble. —

Answer No, Nothing. —

Question Is He Agent to any more
of the Lascars. —

Answer Yes. to General —

Question Why do they appoint him
their Agent. —

Answer Because He is a respectable
Man —

Quest. Do they pay Him any
thing for His trouble. —

Answer

11779 Fort St. George 14th September 1813

Answer I don't know.

Question Have not many of the Men who employ Mootoocrampilly as Agent, got Fathers and more relations ~ where?

Answer Yes - there are - but they live at a distance from it. -

Question What is your Pay monthly, and how much do you remit?

Answer Forty five Rix Dollars, out of which I send thirty two, or 8 Pagodas.

Question To what purpose do the people receiving Certificates apply them?

Answer Some for the use of their Families, and others find Cloth purchased for them by their Friends and brought here.

Question Did you ever see any of the Men

11780 St George 14th September 1813

Men bring Pagodas from the Coast —

to sell here? —

Answer — No. —

Question — What was the cause of the late en

crease in the Family Certificates? —

Answer — Because the Men generally wished

for them, and they were promised

them —

Question — What proportion of the Men's Pay

is generally remitted by the Family

Certificates? —

Answer — About two thirds —

Question — Have all the Men who draw

Family Certificates got Families

living on the Coast? —

Answer — Several have Relations, and there

are Men who have not —

Question — What are the names of those

Men who have no Families

and

Fort St. George 14th September 1813

and remit money to the Govt.-

Answer Cundapen - Convey - and Sadrooven Pioneers in the E. Com-
= pany gave me their Family Certi-
= ficate to forward to my Agent at
Trichinopoly to be disposed of accord
= ing to their Orders, and I occasionally
advanced them Money which they
repay me at the rate of 48 Fanams
the Pagoda by deducting it from their
Family Certificate.

Question Are there any other persons
in the Corps in the habit of advancing
Money to Individuals on their Fa-
= mily Certificates on the same terms
as above mentioned and what
are their Names?

Answer Yes there are Madar Serang -
Sindeapen Serang - Cawder Jemadar
Master.

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Mootoo Cumpenpilly Moodaseramy

Lascar. and the Pioneer Naigue

Rammah.—

7th Witness Native Lieutenant Cawder

interrogated in English.—

Question Who do you remit your Fa:

=mily Certificate to?

Answer To Petchen at Madura. it

amounts to two Pagodas Monthly.—

Question Do any other Men send

their Money to Petchen?

Answer Several — as many as forty

or fifty.—

Question What Family have you on

the Coast, and where do they reside?

Answer At Madura — I have a mother

and two Sisters.

Question How do you and the other

Men pay Petchin for his Agency?

Answer

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Answer I pay one fanam for every Pa-
goda and I believe the others do the
same.—

Question Are you occasionally in the
habit of advancing Men Money here?

Answer Yes— and which they repay
me at the rate of 48 fanams per
Pagoda.—

Question Have you ever known any
Lascars bring Cloth from the Coast,
or any other Article for Trade?

Answer Yes— several who has Family
Certificate have brought over large
parcels of Cloth for their own use
and for sale

Question Do you know any other
Native Officer or Syrang in the habit
of advancing Money to Men who
have Family Certificates on account
of

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of them.2

Answer Yes. several - they are repaid either here or at the Coast. when at the latter, at the rate of 48 Fanams the Pagoda. -

Question On what occasion, and under what Circumstances. do you and other Dyrangs and Offices Advance Money to the Men under you.2

Answer The Money is advanced to any Person wanting it in any proportion He may require Looking to the Family Certificate as the security - and it is from it we are generally repaid at the rate of 48 Fanams or four Rix Dollars the Star Pagoda - Sometimes we are paid here. -

8th Witness

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8th Witness Brideappen Serang examined —

through an Interpreter. —

Question What Pay have you Monthly,

and how much do you remit on

the Family Certificate. 2

Answer Thirty three Rix Dollars — out

of which I send six Pagodas and a

half to the Coast my Relations are in

the habit of sending me cloth prio:

= chased from the saving of the Fa:

= mily Certificate for my own use —

Question What do your pay your Agents

Answer One fanam per Month. —

Question Are you in the habit of advancing

Money to any of the Men. and on

what Account

Answer Yes. Sometimes I advance them

Money on their Family Certificates,

but not to any others. and they

repay

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repay me at the rate of four Rupees

Dollars the Pagoda.—

question Do your advance more than

the Amount of their Certificates —

Monthly to any of the Men.?—

Answer Yes sometimes.—

Question Are not those Men who have

got Family Certificates better able to

live and have more money than those

who have none?—

Answer — Yes. they are in better circumstances

than the others who have none. because

they can procure the necessaries and

Cloths from the Coast at the price there.

as four Rupees will purchase as

much Cloth there, as ten will here.—

Question Are not all the other Native

Officers and Syrangs in the habit

of advancing Money, and being

repaid

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repaid at Madras as above stated.—

Answer. Yes they are, and it has been =

practiced a long time.—

9th Witness Madar Syrang States that He

sends Six Pagodas or a half monthly

to the Coast, for which He pays His =

Agent at Madras one fanam per Rs

Month, That he is frequently in the =

habit of receiving Cloths from his friends

in the Purchasing of which, one Pagoda

will go as far as one Pagoda and a

half here. He sometimes lends Money

to the Men on their Certificates at the

rate of 70 Fanams for one Pagoda and

3/4 R/ or 65 Fanams the Pagoda / He

states that those men who have fa:

= mily Certificates are better in their

circumstances than those without them.—

With

11788

Fort St. George 14th September 1813

With reference to the last Pa:
=ragraph of the Military Secretary's
letter, the Court are of opinion that
Family Certificates granted at
Fifty Six / 56 / Fanams per Star
Pagoda will reimburse Government —

But to place those who receive
Family Certificates on a footing with
those who do not, the Court are
of opinion that Family Certificates
should only be granted at the Bazar
Exchange. —

/ Signed / Richard Kelly Major 4th Ceylon Rt.
L. Hook Capt. 2d. Ceylon Rt.
W. Moir Paymaster 2d. Ceylon Rt.
Members

Approved

/ Signed / Robt. Brownrigg

Lieutt. General

Head

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Head Quarters

Colombo 28th December 1812

General Orders,

The Proceedings of the Court of Enquiry of which major Hellis of the 4th Ceylon Regiment is President, are approved, and the Court is dissolved —

It appearing to the Commander of the Forces, from these Proceedings, that the suspicions He had reason to Entertain, in regard to the Family Certificates, Existing in the Corps of Ceylon Pioneer Lascars, and which have been lately greatly Encreased in number, were well founded, and that instead of their being applied to the Relief of the Wives, Children and aged Parents of the Pioneers residing on the Continent of India, they have been, in by far the larger proportion, bartered for Money,

The

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The Original humane intention of grant-
=ing such Certificates being thereby grossly
perverted, The Lieutenant General is under
the necessity, with the view to put an
End to such abuse, to declare that the
Family Certificates now granted, / those
in the Troops of Ceylon Light Dragoons,
and the Gun Lascars Excepted / do cease,
and became null and void from the
Expiration of the present Month, yet
as it is by no means His wish to de-
=prive the above native Corps, or any
others of the means of assisting their
Families, if really absent from the
Island and left destitute at a distance,
He is further pleased to direct, that =
Officers in Command of Corps and De-
=partments, the Men belonging to which
have heretofore received a part of their
pay

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Pay in family Certificates, &c. without delay
cause other Rolls to be prepared and
Transmitted to the Military Secretary, for
the approbation of the Commander of
the Forces, which when approved and
Sanctioned, are not to be subject to any
alteration, but by his authority, unless in
cases of a desire in the party to Cancel the
Certificate, and stop its payment, or of
his Death, discharge, or Desertion, of
which Casualties as they occur, immediate
intimation in writing is to be given to the
Military Secretary by Commanding Officers
of Corps and Departments.—

In making out the Roll
according to the annexed form, Officers in
Charge of Corps & Departments are
fully to satisfy themselves that the Claimant
is of good Character and worthy of such
indulgence

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evidence, that the Certificate is
to be intended for the Maintenance
of a Wife, Child or Parent on the Coast,
depending on him for support, and that
he does not draw rice for his wife in
this Island, agreeable to Government
Regulations. —

And it is in future to be
understood, that the Family Certificates / The Troops of Ceylon
Dragoons and Gun Lascars as before, —
excepted / will be debited in their abstracts
by the Ceylon Paymaster General for
each Pagoda so granted at the actual
Rate of Exchange existing between this
Island and Madras which at pres.
rent is fixed at 65 fanams Per
Pagoda —

Family

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Family Roll for 181 of H. M. —

No. & Certificate	By whom remitted	To whom Payable	Name	Rank	Pay	When to where Commence	Remarks

It is further the Orders of the Commander of the Forces that when Men are by this permission allowed to go on furlough to the Continent of India, an Advance of Pay is to be issued to them equal to half the period of such furlough, to be included in the Accounts of the Corps for the succeeding Month, the amount of such advance being inserted in the Pass = port on which it is further to be stated, that he is entitled to no further advance, till

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till his return to the first station in this Island, unless on Certificate of a Surgeon that he is incapacitated by Sickness from joining his Corps, in which case the money advanced to be stated in words on the back of the Passport, by the Officer authorized to make the above Payments, by whom also immediate information is to be sent to the Military Secretary of His Excellency the Commander of the Forces in Ceylon. —

/ A true Copy /

/ Signed / John Ross

D. A. G.

Proceedings of a Garrison Court Martial held by order of Colonel The Honorable T. Molesworth Commandant. —

Columbo

February 1st 1813

Captain

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Captain Loethyer & No. 19th Regiment

Lieutt. De Bussche H. a M.
4th Ceylon Regiment
Ensign Rathenly H. M.
19th Regiment

Lieutt Spencer Ceylon
Pioneer Lascars
Ensign Rhodes H M.
19th Regiment

Canine Ramanaiwaren Chodalamootoo, Negapatam Veraperi, Trichinapoly Saoperi, Yalangubadde Coopemootoo, Comprised by order of Captain Willeriman Superintending Royal Engineer Department for disobedience of Orders in refusing to go to work, when Ordered by him, this Morning first of February. —

The President and Mem = bers being duly sworn proceed to the Trial of the Prisoners.

Prosecutor: Captain Willeriman Royal Engineer

11796 North George 14th September 1813

Engineer Department, being duly
Sworn informs the Court - That
this Morning on his going on the
work at the South Gate he
met Captain Page who informed
him, that the whole Division
of the Engineer Pioneer Lascars
had refused to go to their usual
Duty on which the Prosecutor
went with Captain Page to the
place where this Division was
and ordered the Serjeant Major
to parade the Men and March
them off to their different works,
on which the Prisoner Ramanaiveren
Chodalamadoo, loudly refused
to go, on which the Prosecutor
ordered him to be Confined —
the other Prisoners also refused

in

11797 Fort St. George 14th September 1813

in succession to this Duty on the
works, when the Prosecutor also ordered
them to be Confined.—

The Prosecutor further adds
that he had it explained to the
Prisoners and the other Men of the
Division that their Petition was
before His Excellency the Governor
who would render them justice but
in the mean while he ordered them
to their Duty to which the Prisoner
Still refused.

Evidence Captain Page being duly
about Six O'Clock this morning
after the Engineer Pioneer Lascars
were mustered, he heard them
speaking together very loud - and
on being ordered to go to their
usual

1798 Fort St. George 14th September 1813

usual Duty they refused, and re-
-mained on the ground shortly —
after Captain Willerman the Prose-
-cutor came, who the Evidence re-
-ported the Circumstance to, when
they proceeded together to the right
of the Division of Engineer Lascars
when the four Prisoners on being
ordered to go to their Duty positively
refused. —

The Evidence also adds —
that he told the Prisoners the Governor
was Considering their Petitions and
that every justice would be done them —
but without His Excellency's pleasure
they must continue
to do their Duty — which they still
refused.

Ramasamy Native Captain
Ceylon

2d Entire

11799 Fort St. George 14th September 1813

Ceylon Prisoners Lascars being duly
Sworn Corroborate fully the former
Evidence.—

Defence The Prisoners being called up.
on for their Defence deny the Crime laid
to their charges.—

Opinion & Sentence The Court having considered
the Evidence against the Prisoners
and what they have to say in their
Defence is of opinion that they are
Guilty of the Crime laid to their
Charge which being a Breach of
the Articles of War - Do therefore
Sentence them to receive Three Hun-
dred Lashes each on the usual
manner, and at such time and place
as the Commandant may think proper.—

Signed E. Lockyer
Capt. H. M. 19th Rt.
V. President

/ Approved /
Signed J. W. Molesworth
Col. Commandt.

Punishment

1800 Fort St. George 15th. September 1813

Punishment

Carried into effect 2. Feby 1813.

Ramanadeveren Cho-
kalamootoo, and Talanga
dadde Coopumootoo, received
each 150 lashes.—
Pegapalam Verapen and
Trichinopaly Saapien were
Pardoned.—

/ A true Copy /
/ Signed / Wm Cox.
Fort Adjutant

To the Court Martial

Vs. Vs. Vs.

The humble Petition of
Suporayen and other three
Lascars.—

Sheweth

That the Poor Petitioners
do Humbly beg leave to State to this Court.—
That 3 Serangs Namely
Madar

11801 Fort St. George 14th September 1813

Aladar, Andeiapen and Cawder Syrangs
who are used to Accumulate money to their
Sund through the List of Family, Sworn
and told that if the List of Family has
been established by Government they, the
said 3 Syrangs and all Lascars including
the Petitioners, may be prepared to go to
their respective places, but if the Petitioners
some time should be Complained about
the Family List and be happened to
rise any Sault for that purpose, then they
the said 3 Syrangs shall be held answera
=ble to Gentlemen with regard to the
Sault.—

That that Sove Knowing
the Sentence of the said 3 Syrangs, the
Petitioners having came to hearing of the
Said advice of the said 3 persons, are
now liable to punishment as Sol.—

That

Offi Sct Consult 14th Sept 1813
Pages 200. in part Cobies
by Vencatachellum for Feby 14

11802

St. George 14th September 1813

That the Poor Petitioners further beg leave to say that as all Lascars of the Engineer Department are undoubtfully known the said circumstance - they shall be examined in order that this Court may understand plainly whether this matter given by the Petitioners is true or not. —

That as the Petitioners are now willing to receive their pay at this place, they therefore most humbly pray that this Court for the sake of God, and of all Gen: tlemen, Ladies and of their dear Children, may take this real request into Consideration and prevent them from their punishment, because they were

Coerced

11803 Fort St. George 14th September 1813

Consented to Compliance concerning the
Family List, under the 2nd admonish-
-ment of the said 3 Syrangs and as in
Duty Bound
Shall Ever Pray

Proceedings of a Court of Enquiry, held
by Order of His Excellency the Governor,
to inquire into Certain Complaints pre-
-ferred against Madar, Sundeapiper
Syrangs, and Sauder, Tunedar of the
1st Company of Ceylon Pioneer Lascars

Columbo 5th February 1813

Captain Robert Page. President
Lieut. Robt. Spence
Conductor Wm Pierce } Members
Conductor Wm Parkinson
Evidence 1st Mr Daniels Storekeeper
of the Engineer Department states that he

Ego Crau

11804

Fort St. George 14th September 1813.

"He knows nothing except being told by — Andrea[illegible] Serang that if the Family — Certificates were discontinued that they the Syrangs would go to the Coast.—

Ex[illegible] Sawmy maiden Serang —— States that he knows nothing of what — is stated in the Petition— He heard a — Common Conversation from the Lascars that they would not remain in the Service, if they were not to be allowed Family Certificates at the old rate— This Conversation took place on Monday — Morning last.

[illegible] Tindal [illegible] that He recollects A being said, that if the Family Certificates were discontinued, the two Syrangs mentioned in the Charge, intended to go to the — Coast and that the Lascars were —

also

11805 Fort St. George 14th September 1813

also asked if they were willing to go to the Coast — To this some of the Lascars answered that they would not stay here, if the family Certificates were not granted — and the Lascars askd if they should be in any fault, whether the Serangs would be answerable, they said they would be answerable for the Mens Conduct — accordingly Aridyappen went to the Church and swore to that purpose — Viz: "That He would protect the Men" — Aridyapipen, — Madar, Serangs and Cawder Jemidar — Called Witness and asked what His intentions were in case the Family Certificates were Seized — To which He the Evidence replied that he would obey According to their advice and opinion; they then requested him to swear that

He

11806 Fort St. George 14th September 1813

He ... accompany them to their ~
Native Country, which witness did not do
them, but observed that all the Lascars should
attend the Church, and swear that they
would accompany them to the Coast, and
that they would conduct them by their
advice and opinion and it was the ..... ~
positive intention of the two Serangs, and
Jemidar, to quit the British Service, and
go to their Native Country where they ~
might be Inlisted afresh. accordingly the
Engineer Lascars went to the Church, and
swore that they would act accordingly to
the Advice of the Serangs, and the Lascars
=proles did the same, and lastly advised
them to insist on having the Family Ser:
=tificates issued to them at the old rates.—

Tanjore Venkatachellem

Evidence 4— —

Jemidar

11807 Fort St. George 11th September 1813

Tindal, states the facts mentioned in the Petition annexed are true and correct, and further states, that five or six days before the Petition was given to His Excellency the Governor on a Sunday Morning on the subject of the Family Certificates the two above Serangs and Surridar observed to the Tindals and Lascars of the Engineers Department, that they intended to go to their Native Country, in consequence of the Family Certificates having been stopped, and asked Witness and others what their opinion was, to which they replied — "they would be guided by their Orders and opinion" — Two days subsequent to this Andyappen Serang of his Company sent for him and others, when they were at Parade at Eight O'Clock in the Night and requested

11808 Fort St. George 14th September 1813

required them to Swear that they would persevere in the promise to quit the British Service if the Family Certificates should not be granted to them at the old rate, and that they should not fail to accompany the Serangs to their native Country — Upon which they swore before their Priest according to the Custom —

Evidence 5. Joppay — Coast. Bricklayer attached to the Engineer Department, states that He saw the whole of the Engineer Lascars in the Church, on inquiring into the circumstances. He heard from a Lascar, that they were taking an Oath, — that if the Family Certificates were stopped they would repair with the Serangs to the Coast —

Evidence — 6 Cuddalore 7 Canamalay

Engineer

11809 Fort St. George 14th September 1813

Engineer Lascar Ramen came and told him,
that the Native Officers were going to swear,
that should the Family Certificates be seized,
they would not serve the British Government.
but go to their Houses on the Coast, and
that they took their Oaths at the Court of
Appeal — one day when he was at work
taking Care of the Tools in a room near
the South Gate, Madar and Andyappen
Serang called him, and desired him to
come to them, so after shutting the
Door he went, Andyappen Serang asked
him why he would not Sign a Petition
to be given to the Governor — and added
that he had got a Copy of a Petition in
His House, and Andyappen called a
Lascar Verappen desired him to go to
His House and bring the Copy which was
in

11810 Fort St. George 14th. September 1813

in the Fort, and when he saw the Petition,
it was written half with Red, and half
with Black Ink by the Syrangs - Afterwards
the same Syrang called Moots Curpen Comi-
= copoly of the Store Lascars, and gave him
the Copy of the Petition and desired him
to get another Written, afterwards the same
Serang and Comicopoly brought the Petition
and read it to him - Then Andy appear =
Serang told him not to be afraid, but give
the Petition to the Governor before the Day
was ifsue to them, but Evidence replied =
that he would not give the Petition so it
was delayed for two or three Days —— a
short time after this the above two Syrangs
came again to the said Store Room to the
Evidence, and asked him - "why wont you
give on the Petition to the Governor - the

Day

11811. Fort St. George 14th September 1813

Day is coming very near for receiving our Pay — then the Two Syrangs took them to the Lines, and told him not to be afraid, but give in the Petition, and they would protect him, but he took no notice of what they were saying — At Eight O'Clock Roll Call the two Syrangs abused the Men and told them there was an order to cut off their Hair, and to be dressed in Green Jackets and Turbans — The Evidences then said to the Syrangs — "You abuse the Men for not making the Petition, and in case any danger happens what are we then to do?" — Andy Syrang told them not be afraid and he proposed to swear before the Petition should be presented to the Governor — That every one should be on the same side, and that the Serangs would protect them — Andy appeir

then

Fort St. George 14th September 1813

then took His oath upon Beetle nut and Salt that He would protect the Men and further, that if they went to the Coast, He would apply to the Gentlemen at Madras, and get places for them in that service, the same as they are in Columbo — As soon as the Tyrang took His oath, the whole of the others followed their Example — The Evidence then called Toppay and requested Him to write a Petition in Malabar, and afterwards to get it translated in English, which was done accordingly, and presented to His Excellency the Governor on Sunday Morning the 24th Instant — Before he gave in the Petition, He asked the two Serangs and the Serjeant Major — To whom must I give the Petition — they replied, to the Governor —

Andyappen

11811

Fort St. George 14th September 1813

Day is coming very near for receiving our Pay — then the Two Serangs took them to the Lines, and told him not to be afraid, but give in the Petition, and they would protect him, but he took no notice of what they were saying — At Eight O Clock Roll Call the two Syrangs abused the Men and told them there was an order to cut off their Hair and to be dressed in Green Jackets and Turbans — The Evidences then said to the Syrangs — "You abuse the Men for not making the Petition, and in case any danger happens what are we then to do?" — Andy Syrang told them not be afraid and he proposed to swear before the Petition should be presented to the Governor — That every one should be on the same side, and that the Serangs would protect them — Andy appeir then

11812 Fort St. George 14th September 1813

then took his oath upon Beetle Nut and Salt that he would protect the Men and further, that if they went to the Coast, He would apply to the Gentlemen at Madras, and get places for them in that service, the same as they are in Columbo — As soon as the Tyrang took His oath, the whole of the others followed their Example — He then called Topiroy and — requested Him to write a Petition in — Malabar, and afterwards to get it translated in English, which was done accordingly, and presented to His Excellency the — Governor on Sunday Morning the 24th — Instant — Before he gave in the Petition, He asked the two Tyrangs and the Ser: Major — To whom must I give the Petition — " they replied, to the Governor —

Andyappen

1813 Fort St. George 4th September 1813

Andyappen Serang said nothing — Madar Serang said He was reckoned to be a Man of bad Character, therefore He would not present it. — The Serjeant Major made no reply — Before the said Petition was given in to the Governor there was a deal of laughing amongst the Men and then they went to their Lines. — Madar and Andy = = appen Serangs said — ten Men is suffici = ent to give in the Petition after which about Forty Men came with the Evidence and it was given to his Excellency about Ten Oclock. —

Evidence of Patroon Chapen Engineer

Lascar state that Madar and Andyappen Serangs said to them at the Family Certificates are stopped, we are now no more in the Companies Service, but in the

1814 — Fort St. George 14th September 1813

"the [illegible] Service, when we go to the Coast
"the Lascars will take off their Shoes and
"beat them because they had Enlisted as Pio:
"neers under the Government of Ceylon"—
When Cadalore Hanamale was at work near
the south Gate, the two Syrangs came and
called him, and took him to the Lines, and
he went to Madars House, who shewed
him a Petition written in Malabars, and
said it was not well made, and desired
him to take it and make out another,
according to the Mensideas - Two or three
Days after some of the Tindals and Lascars
assembled at the House of the former Evidence,
and there wrote the Petition - He knows
nothing more because He was confined —
On Sunday the 31st Ultimo after the Morning
Parade was over the two Serangs prepared
to

1815 Fort St. George 14th September 1813

to the Church and took an Oath to stand true to each other and that if the Family Certificates were stopped they should not stay here, but all repair to the Coast — On Monday Morning the 1st instant, a conversation took place among the Native Officers, who said "This Day we will see the capacity of the Men, and what stuff they are made of." — and when they heard this Saying, the Men went forward, and spoke to Captain Willermin, Assistant Engineer - Captain Willermin replies He would speak to the Governor — When it was found that three Men were ordered Prisoners, and the affair became serious the two Lascars skulked off, and never spoke - but began shortly after to abuse the Evidence for presuming to make this observation - The Evidence further adds, that —

11816 Fort St. George 11th September 1813

That Madar Serang has about
Thirty Family Certificates in His possession
and Andy Serang about Fifteen — The Evidence
says that in the Division which Madar
Serang has the Charge of there is scarcely
any decent Apparel in the whole Division
Among the Men — That He has known
the two Native Officers these thirteen
Years past, and both of them have been
frequently in the habit of stirring up the
Men to be disobedient; and when danger
ensues, they then turn their backs upon
the Men, leaving them to get out of the
scrape the best way they can — That it
has been customary for Andy a Person
Serang and Lascar Serviedar to assem
ble at Madar Serangs House, and
to have a Sentry Posted at the Door

to

1817 Fort St. George 12th September 1813

to prevent their being overheard, and —
His opinion is, that they assemble together
for the purpose of talking about the —
Family Certificates. —

Evidence 8 Tellinopoly Modliar
states that what is mentioned in the —
Petition is correct and true, that the Evidence
declares He heard the Two Serangs say —
"We will give two Pagodas out of our own
"Pockets to enable you to go to the Coast,
"as you are all poor People, and cannot
"afford it" He confirms the business of
the Syrangs saying to the Men, that
they were to Dress in Green Jackets, and
their Hair to be Cut off, and afterwards
to be turned over to the 2d Ceylon —
Regiment, and that as they were prevailed
upon to give a Petition to the Governor

to

11818 Fort St. George 14th September 1813

to their Discharge:—

Evidence q. Trechinopoly Toppay Engineer

Lascar states what is set forth in the Petition is true.— A. Lascar called Ramen came and informed the Evidence, that the two Syrangs and Cauder Jemidar had taken their Oath when working at the Court of Appeal House, that if the Family Certificates were not allowed they would not remain one Minute here, but go to the Coast.— The Evidence adds, that one Day We went to the Syrang Andy appear; and requested of Him to try and obtain Rice for the unmarried Men, who have got Children to support.— The Syrang replied.— "What can I do now the family "Certificates are stopd, and therefore you "must Petition to the Governor" That the

Evidence

11819 Fort St. George 14th September 1813

Evidence asked Mr Sergeant Major to whom the Petition was to be given — He replied to Lieutenant Spunier Asst Madar and — Andyappen Syrangi said — "no — it should be given to the Governor" — and then when the Men of the Engineer Syrangi were — going to work on the promise of Captain Willerman — the Store Syrang Madar — abused the Men, and said "see — there — are your Men going to work." —

Evidence 10 Tuckinopoly Mootoo Curpen — Engineer Lascar states that He heard the two Syrangs observe to the Men" you are "to wear Green Jackets and to have your Hair cut off and the Family Certificates having ceased what are we to do now" — The next Day Andyatpen Syrang and His Men went to Fort "Church and made

11820 Fort St. George 14th September 1813

made thro Oath, and the Evidence accom-
panied Andy appeni: Mootoo Samy went
to the Moors Church where Maidar
Sirong was who immediately observed it
was all very well and that we shall
make a Petition against the morrow:
which was done accordingly and given to
His Excellency the Governor.—

A true Copy

/Signed/ John Page.
Capt.n and President

Columbo
8th February 1813.—

Proceedings of a Court of Enquiry held
by order of His Excellency the Governor
and Commander of the Forces in Ceylon
of which Captain Page is President, —
Commencing on the 3d and continued
by adjournment to the 8th instant to enquire
into

11821 Fort St. George 11th September 1813

into various Charges preferred by Ten Native Non Commissioned Officers and Soldiers of the Corps of Ceylon Pioneer = Lascars against Madar and Andy appeer Serangs, and Shaik Cawder Jemidar of the 1st Company of Pioneers.—

The Court having assembled at Ten O'Clock this Morning and the Malabar Interpreter having read and explained the late Proceedings of the Court, the two Syrangs and Jemidar = declare, that their principles have always been guided by integrity and an ardent Military Spirit towards the British Govern = ment in this Country, since they have been in its Service.

They humbly request the three Petitions which Contain their Sentiments

may

1822. Fort St. George 14th September 1813

may be presented to His Excellency the
Governor for His favorable consideration,
and they further unanimously declare —
that the Prosecutors are instigated against
them by Malice resentment and revenge. —

/ A true Copy / / Signed / John Page
Capt.r and President

To Captain J Page
Commanding the Ceylon
Pioneer Lascar Corps. —

The humble Petition of
Ramasamy Native Captain
and Adjutant of the —
said Corps. —

Sheweth.

That on the Morning of the
20 March in the presence of Lieutenant
Spencer when the Pet.r distributing the
Pioneer

11825 For H. George IV. September 1813

circumstances into his consideration and lay
this Petition before His Excellency and ap-
=point a Court Martial that he may prove
the said Cause, and be abled to get his
Satisfaction for the prevention of such cruelty
in the Corps and for the benefit of the Poor
Ceylon
Pioneer Lascars.

For which Act of favour your
Honors Humble Petitioner as in duty Bound
Shall Ever Pray

Vide Vide Vide

Proceedings of a Court of Enquiry ordered to
assemble by Lieutenant Colonel Kerr H. M.
2d Ceylon Regiment Commanding Columbo
26th March 1813.

Captain Stone Royal Artillery
Members.
Lieut. Wilkinson H. M. 4th Ceylon Regiment
Ensign Gardner H. M. 19th Regiment

The

1826. Fort St. George 11th September 1813

The Court being assembled proceed to examine into a matter of Complaint — made by a Pioneer Lascar against Madar Syrang of the same Corps —

Mootoo Curten private in the Pioneer Lascars, states that on Saturday last in the Morning Madar Serang — flogged him with a rattan on the back — without any cause for so doing —

Lieutenant Spencer of the Pioneer Lascars - states that on Saturday Morning he was about 20 Yards distance from Madar Syrang whom he saw Beat the Complainant in a violent posture with a rattan — he Lieutenant Spencer accordingly ordered the native Captain and Adjutant to direct the Syrang not to beat the man in that manner

and

11825 For H. Majesty George IV. September 1813

circumstances into his consideration and lay this Petition before His Excellency and appoint a Court Martial that he may prove the said Cause, and be abled to get his Satisfaction for the prevention of such cruelty in the Corps and for the benefit of the Poor Ceylon Pioneer Lascars.

For which Act of favour your Honors Humble Petitioner as in duty Bound Shall Ever Pray

Vo. Vo. Vo.

Proceedings of a Court of Enquiry ordered to assemble by Lieutenant Colonel Kerr H. M. 2d. Ceylon Regiment Commanding Columbo &c &c

26th March 1813.

President

Captain Lees Royal Artillery

Members

Lieut. Wilkinson H. M. 4th Ceylon Regiment

Ensign Gardner H. M. 19th Regiment

The

1826. Fort St. George 14th September 1813

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and

11823 Fort St. George 14th September 1813

Pioneer and Lascars for the different Services,
the Pet.r saw that Madar Syrang of the
1st Company was whipping for one of his
Companys Lascar without giving any in-
=formation either for Commanding Officer
or the Pet.r — as it is against the Regimental
Order on which the Pet.r together with Ser:
=geant Major went to the said Madar
Syrang to ask, in what point you Did
punish for that poor Creature for which
he answered very impertinantly in the
presence of 1st Mayby of the Drivers and
Conicopoly &c. you have nothing to desire
me you go and Command for your Pioneers
but not to me, if you like you may
Complain me with any one you like
I am ready to answer them. —

That the Pet.r return from
Shame

11824 Fort St. George 14th. September 1813.

Thame are desired to. Tindal nomed Rama
= samy to go and Call the said Lascar who
been punished by the said Madar Syrang,
to inspect the punishment. accordingly the
said Tindal having called and on his
return to his duty the said Syrang without
observing that the said Ramasamy Tindal
have fulfilled the direction of the Petitioner
like the said Syrang beat him also and
when the Petitioner and Serjeant Major
together with the said Tindal asked to the
said Syrang whether it is proper to beat
a Non Commissioned Officer upon which
he answered, you may Compliain to the
Governor Sam able to Answer.—

Therefore the Petitioner —
earnestly prays that your Honor will
have the goodness to take the above
circumstances

11825 For H. M. George IIIrd September 1813

circumstances into his consideration and lay
this Petition before His Excellency and ap-
=point a Court Martial that he may prove
the said Cause, and be abled to get his
Satisfaction for the prevention of such cruelty
in the Corps and for the benefit of the Poor
Ceylon
Pioneer Lascars.

For which Act of favour your
Honors Humble Petitioner as in duty Bound
Shall Ever Pray

Vide Vide Vide

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26th March 1813.

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1826. Fort St. George 11th September 1813

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Lieutenant Spencer of the Pioneer Lascars - states that on Saturday Morning he was about 20 Yards distance from Madar Syrang whom he saw him beat the Complainant in a violent posision with a rattan — he Lieutenant Spencer accordingly ordered the native Captain and Adjutant to direct the Syrang not to beat the man in that manner

and

1827 Fort St: George 12th September 1813

and to desist with the intent use to him when high words passed between them in the na:
tive Language which he did not understand —

Native Captain and Adjutant

Ramasawmy of the Pioneer Lascars States on
Saturday last in the Morning after Parade he
saw Madar Syrang beat the Complainant —
with a rattan, when he was desired by Lieutenant
Spencer to order him to desist and enquire the
reason he had beat him so - which he accord:
= ingly did and Madar Syrang replied it —
was not his business to interfere and he might
return to his own Duty —

Madar Syrang states that the
Complainant is one of 40 Lascars employed
under his charge in the ordnance Stores —
that he had been absent from his duty three
days and employed himself at the rice - Godown
without

11828 Fort St. George 14th. September 1813:

without the / the Syrang's / knowledge —
on Saturday morning he saw him with the
Engineer Lascars and asked him why he
had been absent from the Stores, to which
he replied in a very saucy manner it was
his option to employ himself in the Govern:
= ment Service when he thought proper —
which caused him to give him some blows with a —
rattan, he struck at him six times but
only hit him twice, he adds the Complainant
is a Store Lascar, he further adds he was
directed by the native Captain and —
Adjutant to inflict six blows with a rattan
whenever a Lascar neglected his duty — as
are also the other native officers —

/ Signed / G. Stevens
Capt.n Royal Artly. & Pres.t

Members { P. Wilkinson
Lt. 4.th C. Regt.
R. Gardner
Ensign 19.th Regt.

Head

11829

Fort St. George 15th September 1813

Head Quarters Colombo

30th November 1812

General Orders.

The General Court Martial of which Lieutenant Colonel J. W. Kerr of the 2d Ceylon Regiment is President, held on the 16th and Continued by adjournments to the 26th Instant, for the Trial of Lieutenant John Little of the Ceylon Gun Lascars, on the undermentioned Charges, is hereby dissolved,

The Sentence of the said Court being approved

1st Charge. For Conduct highly unbecoming his situation as an Officer, in the undue employment of a Number of the Private belonging to the Corps of Ceylon Gun Lascars, as Labourers and menial Servants, in or about his House at the Lascar Lines, without the Fort of Colombo, during

1830 Fort St. George 14th September 1813

during the first and present year, contrary to the usage and Custom of the Army, and to the Manifest detriment of the Service.—

2d Charge For Conduct Scandalous and infamous, Such as is unbecoming the Character = ter of an Officer and a Gentleman, in unwarrantably and cruelly beating an unoffending Person belonging to the Corps of Gun Lascars under His charge, at the Lascar Lines within = out the Fort of Columbo, in the last and present year, such Conduct being in direct violation of the established Rules and Orders of His Majesty's Service, to the prejudice of Military Discipline, and to the encouragement of Discontents in the Corps to which he belongs.—

Syrang

11831 Fort St. George 14th September 1813

Syrang Mootoo.

2d Tindal Caream

Privates Moorgaiah

Doabe Ghazie

Mahomed Ali

Doobey

Coy Lobbe

Dehal

This Court having duly weighed and Considered the Evidence in support of the Charges exhibited against the Prisoner Lieutenant John Little together with such matter as the Prisoner was enabled to adduce in His Defence, is of opinion, that with respect to the 1st Charge, the Prisoner is Guilty of the same and with respect to the 2d Charge, the Court is of opinion that the Prisoner

Lieutenant

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Fort St. George 11th September 1813

Lieutenant John Little is Guilty of the =
Facts therein stated, such Conduct being
unbecoming His Situation as an Officer =
and a Gentleman and in breach of the
Articles of War - and the Court in Conside:
=ration of the offences of which the Prisoner
Lieutenant John Little has been so found
Guilty, do adjudge Him to be Cashiered -
The Commander of the Forces
in exercising the Power vested in him as
Governor of this Island, in regard to officers
only holding Colonial Commissions granted
by the Governor, and in confirming the
Sentence of the General Court Martial,
by which Lieutenant John Little is Ca:
=shiered, has endeavoured to give every
weight and Consideration in His Power,
to the Strong and unanimous recommenda
tion

11833 Fort St. George 4th September 1813

recommendation of the Court in Behalf
of the Prisoner, as contained in a letter
from the President, and founded on the
Practice that had so generally prevailed
in Ceylon to employ native Soldiers and
Military Labourers in Domestic uses and
menial Capacities, as well as on the long
Service of Lieutenant Little - But after
the most attentive perusal of the Proceed
=ings, the Prisoners Defence and the
recommendation in His favour, the Com
=mander of the Forces is concerned to be
obliged to state, that He finds no cir:
=cumstance to operate in Extenuation
of the very serious Allegations contained
in the Second Charge, which have been
most fully proved; and it is therefore
incumbent on Him, to mark his
condemnation

11834 Fort St George 14th September 1813

Condemnation and abhorrence of the
Systematic Series of Abuse of Power, pur-
= sued by the Prisoner for a Considirable
time past in defiance of the most positive
Orders issued in April last, employed to
the Number of Sixteen Gun Lascars, in the
Case of his Cattle, Garden; and in other =
minial Offices, the greater part of whom =
have in their turn suffered more or less
from His ungovernable Passions, by Severe =
Floggings, Blows, and Kicknigs, from which
treatment also the Syrang Moatoo, a Native
Officer of the Rank of Captain, and the
2d. Tindal Cassam a Native Officer of the
Rank of Lieutenant were even not exempted,
Persons whose authority and respectabilities
of Situation in the Corps, in regard to the
Native Soldiers, it was His Lieutenant =

Littles

11835

Fort St. George 14th September 1813

Little's bounden Duty to have supported rather than to have degraded them in the Eyes of those Soldiers. Upon a Review therefore of the whole of these Culpable and disgraceful Transactions, as contained in the Second Charge, of which the Prisoner has been found Guilty, it became the painful Duty of the Commander of the Forces, exercising also His Power as Governor, hereby to declare Lieutenant John Little of the Corps of Gun Lascars, to be Discharged from His Majesty's Service in Ceylon.—

It appearing by the Proceedings of the same Court Martial, that the Syrang Akbar, has been a principal Actor in the Oppressions and irregularities which have existed in the Corps of Gun Lascars, and He having by His conduct proved himself unworthy

11836

Fort St George 14th September 1813.

unworthy of belonging to it. He is hereby declared to be dismissed from His Majesty's Service. It is impossible for Lieutenant General Browning to avoid remarking here, on the want of due Controul over, and watchful Inspection into the interior arrangements of the Corps of Gun Lascars, which if they had been exercised by the Commanding Officer of the Royal Artillery, much of what has been disclosed might have been prevented. And in order that the Character of the Kings Service in General, and the distinguished Corps of Artillery in particular, may not suffer by a repetition of the degrading occupations, and abuse of Power, to which the Gun Lascars have been subjected, It is the Lieutenant Generals Intention forthwith to place them under the

1837 Fort St George 11th September 1813

the immediate Care of the Officers of Artillery, by incorporating them with the Companies now Serving in Ceylon, thereby making those Officers responsible for their treatment and discipline.—

A true Copy

Signed John Rifs

D: A.G.

Head Quarters

Columbo, 29th March 1813.

General Orders,

Syrang Mader of the Corps of Pioneer Lascars having been Guilty of repeated acts of misconduct and it appearing by the Proceedings of a Court of Enquiry recently held to investigate a Complaint preferred against the said Syrang, that he Severely and Wantonly beat with a Stick, a Lascar of that

11838

Fort St. George 14th September 1813

that Corps His Excellency the Commander of the Forces considers Him unfit to be any longer Entrusted with authority, and Judges it advisable to discharge Him His Majesty's Service, and the said Syrang Madar, is hereby Discharged, and is to cease to be borne on the strength of the Corps of Ceylon Pioneer Lascars on the 31st of the present Month.

The Lieutenant General feels it necessary on the present occasion strictly to forbid the Native Officers and Non Commissioned Officers of the Ceylon Pioneer Corps, from Striking the Lascars, such practice not being permitted to be exercised in any part of His Majesty's Service.

/A true Copy/

/Signed/ John Reis

D. A. G.

Ordered

1839. Fort St. George 11th September 1813.

No. 48.

Order thereon

Ordered that the Military Board be furnished with Copies of the foregoing letter and its inclosures, and that they be acquainted, that under the circumstances therein explained, regarding the Conduct of Syrang Madar, His Excellency in Council Considers him wholly undeserving of the indulgence solicited in his petition to the Board, Copy of which was submitted with their letter of the 8th Ultimo.—

Ordered that the following letters be dispatched.—

No. 49.

To the Honorable Lt. Gl. K. Murray.

Sir,

To the Honorable Lt. Gl. K. Murray - Relieves him from the duty of Signing the Vouchers which the Accountt. Genl. is preparing for transmission to the Court of Directors—

In consideration of your late appointment to officiate as Superintendant of the quality of Investment, the Honorable the Governor in Council has—

been

Fort St. George 14th September 1813.

11840

been pleased to relieve you from the duty of signing the vouchers which the Accountant General is preparing for Transmission to the Honorable the Court of Directors.—

I

Fort St. George
14th September 1813

/ Signed / G. Strachey
Chief Secy to Govt.

To Messrs. James Taylor & J. Gwatkin

No. 50.

Gentlemen,

To Messrs. James Taylor & J. Gwatkin appoints them Members of the Committee for attesting Certain vouchers which the Account. Genl. is preparing for transmission to the Court of Directors.

Para. 1. I am directed to acquaint you that the Honorable the Governor in Council has been pleased to appoint you to be Members of the Committee for attesting certain vouchers which the Accountant General is preparing for transmission to the Honorable the Court of Directors.—

2. I inclose for your information

11841 Fort St. George 14th September 1813.

information and guidance a copy of the instructions originally furnished to the Com-
-mittee.

Fort St. George
14th September 1813

I have the honor to be,
Sir,
Your most
obedient Servant
(Signed) G. Strachey
Chief Secy to Govt.

To the Accountant General.

No. 51.

To the Accountant General - Informing that Messrs. J. Taylor, and Gwatkin have been appointed Members of the Committee for attesting the vouchers to be sent to England in the room of the Honorable L. G. H. Murray and Mr. Blair -

Sir,

The Honorable L. G. H. Murray and Mr. Blair having been relieved from the duty of attesting the vouchers which you are preparing for transmission to the Honorable the Court of Directors, I am directed to acquaint you that the Governor in Council has been pleased to substitute for those Gentlemen, Messrs. James Taylor and J. Gwatkin as Members of the Committee appointed

11842

Fort St. George 14th September 1813.

approved for that purpose.—

Fort St. George

14th September 1813

I have the honor to be,

Sir, Your, Your,

/Signed/ G. Strachey

Chief Secy to Govt.

Resolved that the following

General Order be published.—

Fort St. George

14th September 1813

G. O. By Government,

The Honorable the Governor

in Council is pleased to direct with reference

to General Order by Government under date

the 3d August 1813. that the Corps of Guides

shall be included in the List of Native

Troops authorized to receive the Indulgence

of Extra Batta on the 12th August, on

divising the Continuance of the Regency on

the

No. 52.

G. O. By Govt.—
Includes the Corps of guides in the List of Native Troops authorized to receive Extra Batta on occasions of public rejoicing.—

11843 Fort St. George 11th September 1813.

the Birth day of His Majesty, and generally on all occasions of public Rejoicing with the exception of Christian Festivals.—

By Order of the Honorable the Governor in Council.—

/Signed/ E. Wood
Secretary to Govt.

His Excellency the Commander in Chief having had under consideration the Draft of a General Order submitted with the Military Auditor Generals' letter of the 20th of July last, now lays it before the Board, modified in the following manner.—

Draft

Fort St. George
11th September 1813

G. O. By Government.

No. 53.

G: O: By Government Regulations for the Pay Department of H. M. Troops.

His Excellency the Honorable

11844

Fort St. George 11th September 1813

Honorable the Governor in
Council is pleased to es=
=tablish the following Re:
=gulations for the Pay
Department of His Ma:
=jesty's Troops.

2. The Regimental
Paymasters of His Majesty's
Service are in future to
=sident on the Stations Pay:
=masters of the Honorable
Company's Service for the
full amount of the Subsistence
and Company's Allowances
of each Regiment—

3. The Abstracts being
prepared for each Month
the Regimental Paymasters

are

11845 Fort St. George 4th September 1813

are to draw their amount
from the Station Paymasters
the Company's Allowances
being payable at the
periods fixed for the general
payments of the Army
and the King's Subsistence
on the 25th of each Month-
the Abstracts both of Comp.
-pany's Allowances and
King's Subsistence to be
delivered to the Station
Paymasters for insertion
in their accounts.—

4. As under His
Majesty's Regulations a
regular Muster takes place
every Month by the Regimen
-tal Paymasters it is
directed

11846 Fort St. George 14th. September 1813

directed that Copies of the
Muster Rolls attested
by Commanding Officers —
shall uniformly accompa-
= ny the Regimental —
Abstracts of King's Sub-
= sistence. —

5th. As the Muster
Rolls will of course include
the Officers as well as every
other discription or Rank
in the Regiment the —
Transmission of Lists
of Officers which have
hitherto accompanied the
Accounts of Company's
Allowances will be dis-
= continued in future —

The

11847 Fort St. George 14th September 1813

6 The Regimental Pay
and Allowances of Officers
of His Majesty's Service
absent from their Regiments
on Staff duty, Command or
Furlough within the
limits of this Government
or Serving with the Sub-
-sidiary Force of Hydra-
-bad or Poonah are to be
included in the Regimental
Abstracts - and the amount
remitted to them month-
-ly by Bills on the
Accountant General, but
if under any circumstan-
-ces such as Regiments
being employed on Field
or on Foreign Service it
should

11848 Fort St. George 11th September 1813

should become inoperative: = nient to make such = remittances; the Regimental Pay and allowances of such Officers are permitted to = be drawn separately from the Paymaster at the Presidency on Certificates of last payment, and under instructions from the Military Auditor General = to whom application is to be made for that purpose. The Military Auditor General is however directed not to issue such instructions unless he may be fully satisfied of the difficulties in

11849 Fort St. George 14th September 1813

in regard to remittances

on which such applica

= tions may be founded →

7. When the Pay and

Allowances of an Officer are

permitted to be drawn →

separately under the

provisions of the preceding

Paragraph, he is on the

1st of each Month to →

transmit his abstracts

accompanied by all →

prescribed vouchers to

the Paymaster at the

Presidency with a Letter

requesting that a Bill

for the Amount may be

remitted to him — The

Paymaster in such Case

is

11850 Fort St. George 14th September 1813

is to transmit the Bill by return of Post and to enter the Abstracts in his general accounts under the Head of the Regiment to which the Officer belongs, all such Abstracts to be counter = signed by the Comm. = manding Officers of Stations with exception of the Presidency where they are to be counter = signed by the Brigade Major of His Majesty's Forces.—

8. The Regimental Pay and Allowances of Officers

1851 Fort St. George 7th September 1813

Officers Absent at Sea,
at their Presidencies or
beyond the limits of
this Government; with
the exception of Hyderabad
and Poonah as above
stated, are not to be in-
=cluded in the Regimen
=tal Abstracts, but to be
drawn for separately
under the general regula-
=tions of the Service if
desired by such Officers
on Certificates of their
being alive - the abstracts
being payable at the
Presidency only. -

Officers of His
Majesty's Service on Staff
duty

11852 Fort St. George 12th September 1813

duty under this Government
but to those Regiments may
be serving at other Presidencies are to draw their Regimental Allowances on
abstract from the Paymaster
of the Station who is to enter
the Amount under the Head
of the Regiments to which
such Officers may belong in
his Accounts of Company's
Allowances to the Kings
Troops.

10 The Regimental
subsistence of the Officers
referred to in the preceding
Paragraph is permitted to
be drawn on receipt, as
hitherto, on account of the
Presidencies

11853 Fort St. George 11th. September 1813

Presidencies under which their Regiments may be serving — the receipts to bear the same Countersig: = nature as the Abstracts for the Companys allow: = ances of those Officers —

11 Detachments of His Majesty's Regiments within the limits of this Govern: = ment if under Commission Officers are to be included in the Abstracts of their Corps and to be drawn for by Regimental Pay: = masters whose duty it will be to provide by remittances for their regular payment. —

Non.

11854

Fort St. George 14th September 1813

12 Non Commissioned Rank and file and all persons of His Majesty's Service under the Rank of Commissioned Officer who may be at the Presidency on duty or otherwise and not under the Command of a Commissioned Officer are to be drawn for by the Brigade Majors of His Majesty's Troops

13. The above Pay to be drawn from the Pay Master of the Presidency on Abstracts accompanied by Certificates of last Pay and muster Rolls regularly signed by the Brigade

1855. Fort St. George 4th. September 1813

Brigade Major — and
specifying the Rank —
names. Regiments —
Troops. Companies &c.
to which the Individuals
belong — the amount to be
entered by the Paymaster
at the Presidency in his
General Accounts of Dis-
bursements under the
Head of the respective
Regiments to which the
Parties belong. —

11. The Paymaster
of the Depot at Poona
= millee will continue
to draw for and pay the
Detachments — Recruits —
Invalids &c of His Majesty's
Regiments

11856.

Fort St. George 11th September 1813

Regiments who may be
placed under his charge
the amount to be drawn
on Regular Abstracts from
and to be entered in the
Accounts of the Presidency
Paymaster under the Head
of the Regiments to which
the Individuals respectively
belong - Those payments
will therefore no longer
appear in the Accounts
of Regimental Paymasters -

15 Officers arriving
from Europe are to draw
the Pay and Allowances
which may be due to
them, as also the advances
to which they may be en-
- titled

1185/ Fort St. George 14th September 1813

intitled on Regular Abstracts

Countersigned, if at the

Presidency, by the Brigade

Major; or if at Poonamallee,

by the Officer Commanding

these Abstracts are to be

paid by, and entered in

the Disbursements of the

Paymaster at the Presidency

under the Head of the

Regiments to which the

Officers respectively belong.

6. The Recruits, Invalids

&c. whose Pay may be

drawn at Poonamallee are

to be mustered each month

by the Paymaster, who also

also as Fort Adjutant, and

the muster Rolls signed by

that

11858

Fort St. George 11th September 1813

That Officer and Counter-
-signed by the Officer
Commanding, are to —
Accompany the Abstracts
as the Vouchers by which
their correctness is to be
ascertained —

17 The Medical —
allowances on Account of
the Recruits of His Majesty's
Regiments at Poonamallee
will be drawn by the
Medical Officers in —
Charge and entered in
the Accounts of the Pre:
-sidency Paymaster under
the Heads of their respective
Regiments. —

18 The Medical
Allowances

11859 Fort St George 12th September 1813

Allowances for the Sinva-
lids of His Majesty's —
Service who may be —
Stationed at Poonamallee
to be drawn in all respects
as heretofore. —

19. The same degree
of responsibility for the
payments made to His
Majesty's Troops at Poo-
namallee is to apply to
the Paymaster of the —
Depot as now attaches
to Regimental Paymasters
of His Majesty's Service. ——

20 The General Regu-
lations of this Government
regarding the Audit, Reaudit
and final Audit of Pay-
masters

11860

Fort St. George 11th September 1813

Paymasters Accounts, as
also those respecting the
Recovery and adjustment
of Retrenchments are to
be considered applicable
equally to His Majesty's
as to the Honorable Com
= pany's Troops.—

21. Copies of all
Retrenchments which may
be made against Officers
of His Majesty's Service
to be furnished to the
Regimental Paymasters
by the Station Paymasters
who are to recover the
amount by Stoppages
from the Regimental
Abstracts in the proportion
authorized by the regulations—
the

11861 Fort St. George 11th September 1813

the Stoppages to be
brought to account by
Station Paymasters
in the same manner
as those on account of
retrenchments from
Officers of the Company's
Service.—

12. Regimental
Paymasters of His Ma:
=jesty's Service are not
authorized to place
Officers under Stoppages
for any Retrenchments
without furnishing
each Officer with a Copy
of the retrenchment made
against him as is custo:
=mary in the Company's
Service

11862 Fort St. George 14th September 1813

Sirvice

23. All explanations of Regimental Paymasters and all documents and Vouchers of every discription which may be transmitted with their Accounts for Audit, Reaudit or finial Audit are to bear the Countersignature of the Commanding or Senior Officer present with the Regiment —

24. In consequence of the above Regulations regarding the payment of His Majesty's Troops the functions of Deputy Paymaster General to the

11863 Fort St. George 15th September 1813

the Kings Troops which
have hitherto attached
to the Paymaster at the
Presidency are to cease,
and the Accounts connected
therewith to be discontin-
-ued, that Paymaster
will therefore in future
be placed with regard
to the Regimental Pay-
-masters of His Majesty's
Service in precisely the
same official relation
as any other Station Pay-
-master.—

25. The establishment
hitherto allowed to the
Paymaster of the Presidency
for the above duties will
be

11864 Fort St. George 12th September 1813

be discontinued.

26. The Abstracts of Subsistence of His Majesty's Troops are to be entered in the Accounts of Station Paymasters under the head of "Kings Subsistence" and to form one Total immediately following the Disbursements on Account of the Company's Troops in the manner formerly allowed when the Company's Allowances to His Majesty's Troops were entered in the accounts of Station Paymasters. —

27. The Abstracts of Company's Allowances are

11865 Fort St. George 14th September 1813

are to follow those of the
King's Subsistence under
the Head of "Company's
Allowances to the King's
Troops" and to form a
separate Total but both,
as hitherto, to form a part
of the general debit in the
public Books under the
Head of "Charges Military."

28. Officers of His
Majesty's Service at out
Stations being permitted
to receive their Pay and
Allowances in Cash or by
Bills on the Presidency as
may ~~suit~~ their convenience
the amount required to
be paid by Bills is to be
regularly notified in the
monthly

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Fort St. George 14th September 1813

Monthly Indents of
Regimental Paymasters.

29 All Articles
such as Tents, Horses,
Wine &c which may be
issued to Officers of His
Majesty's Service on Credit
are to be debited and the
Amount recovered by
Native Paymasters under
precisely the same Regula-
tions as apply to Officers of
the Honorable Company's
Service.

30 Musters from
the Regimental Abstracts
of His Majesty's Troops
an Account of Provisions
&c to be received and
accounted

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...counted for by Station

...masters according

to the general Regulations

of the Service. —

21. The Allowances

of general and other

Officers of His Majesty's

Staff to be entered under

the Head of Company's

Allowances to the Kings'

Troops in the Accounts

of the Station Paymasters

by whom the Amount

is disbursed. —

22. The responsibility

of Regimental Paymasters

of His Majesty's Service

in respect to the Govern-

-ment and to the Sta

-tion

11868

Fort St. George 12th September 1813.

Station Paymasters from whom they draw the Pay of their Regiments is to Continue on the same principle as here-
-tofore.

33. The Station Paymasters in the execution of the Regi-
-mental Abstracts of Corps of His Majesty's Service will be guided by the provisions of the 9th Section of the new Code of Regulations under the Head "His Majesty's Troops."

34. An additional Allowance of Fifteen Pounds

Pounds per annum
is granted to each
Regimental Paymaster
on Account of Station
= ary which is to
be included in the
abstracts of Company's
allowances to the diff:
= ferent Regiments and
to be drawn half yearly
in arrear Vizt. in the
Months of January and
July.—

35. All applications
on Account of Advances
required for Individual
Officers, Detachments or
Recruits of His Majesty's
Servic

11870

Fort St. George 12th September 1813

Service belonging to
other Presidencies are to be
forwarded if at Madras by
the Brigade Major of His
Majesty's Troops - if at Pon:
by the Paymaster
of that Depot to the
Secretary of His Excell:
Lord the Commander
in Chief in order that
the authority of Govern:
-ment may be obtained
for the issue of the re:
-quired advances -

36 The above Re:
-gulations are to have
effect from the commence
-ment of the Month of
November next: - the
first

11871 Fort St. George 14th September 1813 -

Extract Abstracts of His Majesty's

Regiments to be entered in the

Accounts Disbursements of the

Station Paymasters for that

Month will accordingly be

Vouchers for Company's allowances

in arrear for the Month of —

October and King's Subsistence

in advance from the 25th —

November to the 24th December

next. —

By Order of the Honorable

the Governor in Council. —

(Signed) G. Wood

Secy to Government

Approved and Ordered to be published. —

John Monnsby

Ja. Stanyl

No. 54

Order thereon

Ex d W. S.

Last Packet from Ne

Office Sec Consult
14th September 1813
Pages 510-6 copied by
J Vincent Cheldon

N°1

List of Papers Resolutions and Orders recorded in the following Diary and Minutes of Consultation in the Military Department,

Dated 17th September 1813

Consultn. N°	Miscellany Book N°	Diary		Dates
1		From the Military Auditor General	15th	September 1813
	63	From the Medical Board	10th	Do. Do.
	64	From the Officer Commanding on Travancore	5th	Do. Do.
	65	To the Military Board	14th	Do. Do.
	66.	To ... Ditto Ditto	14th	Do. Do.
	67	To ... Ditto Ditto	14th	Do. Do.
	68	To the Military Auditor General	14th	Do. Do.
	69	To Ditto Ditto	14th	Do. Do.
	70	To ... Ditto Ditto	15th	Do. Do.
	71	To the Town Mayor of Fort St. George	14th	Do. Do.
	72	To the Acting Surveyor General	14th	Do. Do.
	73	To the Solicitor for the Honble Company	14th	Do. Do.
		Consultation		
2		From the Adjutant Genl. of the Army	14th	Do. Do.
		Resolution thereon		
3.		From the Adjutant General of the Army	13th	Do. Do.
4		From the Adjutant General		
5		Resolution thereon		

Consultation Nº	Miscellany Book Nº		Dates
6		From the Military Auditor General	13th September 1813
7		Resolution thereon	
8		From the Military Auditor General	14th Do Do
9		Resolution thereon	
10		From the Accountant General	13th Do Do
11		Resolution thereon	
12		From the Commissary General	9th Do Do
13		Order thereon	
14		From Captain J. Fraser of Engineers	8th Do Do
15		Resolution thereon	
16		To the Secretary to the Govern[men]t at Fort William	17th Do Do
17		From Fort William	21st August Do
18		To Ditto Ditto	17th Sept[embe]r Do
19		From the Secy to the Govt at Fort Will[ia]m	7th August Do
20		Order thereon	
21		From the Offic[ia]t Comg at Wallajahbad	11th Sept[embe]r Do
22		Order thereon	
23		From the Offic[ia]t Comg at Vellore	12th Do Do
24		Order thereon	
25		To the Military Board	17th Do Do

11872

Fort St. George. — September 1813

Diary

15

Received the following Letter.

To His Excellency Lieutenant General

The Honorable John. Abercromby

Governor in Council &c &c &c

Honorable Sir,

81

From the Military Auditor General — Reports on an additional Estimate of Cash of the Paymt. at the Presidency —

1.

Having examined an addition =al Estimate of Cash of the Paymaster at the Presidency, I have the honor to report that the sum of Pagodas Nineteen thousand seven hundred and Twenty three (Pgs 19,723) is admissible and issuable from the Treasury this Sum is required for the payment of a Bill of the Agent for Spirituous Liquors authorized by your Excellency in Council under date the 31st Ultimo —

I have the honor to be &c &c

(Signed) J. Prendergast

Military. Auditor

General

Received

Military Auditor

General's Office;

Fort St. George

15th September, 1813

Fort St. George September 1813

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15

Received and Sent the following

Letters entered in M. B. Nos. 63. 64. 65. 66.

67. 68. 69. 70. 71. 72. 73. —

From the Medical Board —

From the Medical Board —

Report that they have recommended a patient

for admission to the Lunatic Hospital —

From Lieutenant Colonel Hall.

From the Officer Commanding in Travancore —

— Reports his return to Quilon —

To the Military Board — With

To the Military Board —

Extract from the Proceedings in Council on

their Letters of the 2d Instant —

To Ditto — To Ditto .... Do — Communicates

the decision of Government on the case of late

Syrang Madar whose Petition was submitted

by the Military Board on the 8th Ultimo —

To Do. — To .... Do. .... With Extracts

the same To the Comt. in Chief. Adjt. Genl's Department. —

From a Letter from the Court of Directors, dated

To the Md. Genl. Genl.

the 12th March 1813 —

To the Military Auditor Genl.

To the Military Auditor General.

With Extract from the Proceedings in Council

on

Fort St. George — September 1813 —

11874

15

on his Letters of the 10th and 11th Instant —

To the Military Auditor General

To the Military Auditor General.

Transmits for examination and eventual adjustment, Bills of the Agent for Army Clothing, for Slops supplied to recruits recently arrived from England —

To D°. — With Extract from the Proceedings in Council of the 14th Instant —

To the Town Major of Fort

To the Town Major of Fort St. George —

Saint George — Informs him that the Military Auditor General has been directed to adjust the charge submitted in his letter of the 3rd Instant, on account of Slops furnished to recruits recently arrived from England —

To the Acting Surveyor General.

To the Acting Surveyor General —

— With Extracts from the Proceedings in Council of various dates —

To the Solicitor for the Hono:

To the Solicitor for the Honorable Company —

=rable Company — With Extract from the Proceedings

Con

11875 Fort St George September 1813

Proceedings in Council on his letter of the 9th
Instant —

Sent the following letters
entered in M. B. Nos 74. 75. —

To the Account-
ant General —

To the Accountant General —

With Copy of the M: d: G:s Report on an addi:
-tional Estimate of Cash. required by the Pay:
-master at the Presidency —

To the Secretary
to the Govern:
-ment at Fort
William —

To Mr. C. W: Gardiner —

With Copy of a dispatch to the Court of Direc:
-tors dated the 25th Ultimo.

A.

11876

Fort St. George 17th. September 1813

At a Consultation

Present

His Excellency Lieutenant General

The Honorable John Abercromby

Governor, President and Commander in Chief

James H. Casamajor
and
James Strange
} Esqrs.

Friday the
17th. of September, 1813

Minutes of last Consultation

read and approved

Read the following letter

from the Adjutant General of the Army

To the Chief Secretary

to Government

Sir,

I have the honor by direction of His Excellency the Commander in Chief to request that you will lay the accompanying letter, received by Colonel Innes Agent for Army Cloth, being from James Taylor Esqre. Superintendent of

No 2
From the Adjt. Genl. of the Army. Recommends that Colonel Innes receive an advance to enable him to discharge a Bill of the superintendant of the Import Warehouse for Broad Cloath supplied for the use of the Light Infantry Brigades.

Con

11877

Fort St. George 17th. September 1813—

of the Honorable Company's Imports before the Board, and to state His Excellency's recommend: -ation that Colonel Innes may be authorized to draw an advance equal to the sum requir: -red, to discharge the Bill for Broad Cloth, and directions will be given for its being ac: -counted for in the account particulars of Expences for the Light Infantry Brigade which accounts will be prepared and submit -ted for Examination and Adjustment as soon as possible.—

I have the honor to be

Sir

Your

Most Obedient Humble Servant

Signed J. H. S. Conway—

Adjt. General of the Army

To Colonel James Innis

Agent for Army Cloathing.

Adjutant Gen.l Office

Fort St. George

14th September, 1813.

Sir,

The Honorable the Governor in Council having been pleased to appoint the Honorable

11878

Fort St. George 17th September 1813

Honorable Sir, Murray to receive charge of the
Departments under my Superintendence and
it being essential that the Accounts of the Import:
Warehouse should be rendered over as accu:
=rately as possible, I request you will obtain the
Sanction of Government to discharge the Bill
for the Broad Cloth issued upon your Indents
of 15th April last on account of the 1st Light
Brigade Battalion at Poona lost, amounting
to Pagodas 10,126. 36. [illegible] so as to enable me to
adjust the Accounts without delay.

I have the honor to be

Madras Import Warehouse
30th August, 1813.

Sir Your
Obt. Servt
Signed Jas. Taylor
Supt.

No 3
Resolution thereon

Resolved that Authority be
given for payment of the proposed advance to
Colonel Innes [illegible] to the purposes sta
=ted in the foregoing Letter and accounted for in
the mode suggested to the Commander in Chief.

Read

11879 Fort St. George 1st. September 1813

Read the following letter from the Adjutant General of the Army to the Chief Secretary to Government Fort St. George

Sir,

I have the honor to transmit for submission to the Honorable the Governor in Council an application from Lieutenant Colonel Whitney McCally of the 1st. Battn. 21st Regiment Native Infantry to be transferred to the Non Effective Establishment after a service of Twenty Five years, which from the State of that officers Health as described in his letter has obtained the sanction of the Commander in Chief and His Excellency therefore recommends that Lieutenant Colonel McCally may be transferred to the Carnatic European Veteran Battalion in Compliance with his Request.

I have

From the Adjutant General of the Army Recommending that Lieutenant Colonel W. McCally of the 1st Bn. 21st Regt. N. I. be transferred to the Carnatic Veteran Battalion in compliance with his request.

11880

Adjutant Gen.l Office
Fort St. George
13th September 1813

Fort St. George 17th September 1813 —

I have the honor to be

Sir Sir

(Signed) J. H. S. Conway.

Adjt. Genl. of the Army

The Honorable John Abercromby.

Governor in Council

Fort St. George

Sir.

I have the honor to state to

that, during a long course of Service of

twenty five years, Spent in the Service of the

Honorable Company, and during a great

part of which I have been actively Employed,

my Constitution having suffered materiall

injuries, and my Health, which for some

years past has been very infirm being now

in such a state as to preclude the possibility

of the Execution of the duties attached to the

rank I hold in the Effective Army, in a

manner which the good of the Service

might

11881 Fort St. George 17th September 1813

might require and in a way satisfactory to my own feelings, I am under the necessity, and it is with a reluctance which nothing but the Circumstances I have stated could have overcome, of submitting a request that I may be transferred to the non effective Establishment —.

I have the honor to be

Sir &c &c

Signed W.m. MacCally.

Lieut Colo. 1st B3rd 21st Regt

Samulcotta

5th September, 1813

N 5

Resolution thereon

Resolved that Lieutenant Colonel Whitney McCally of the 21st Regiment Native Infantry, be transferred to the Invalid Establishment in compliance with his Request.—

Read the following letters from the Military Auditor General.—

To

11882

Fort St. George 17th. September 1813

To His Excellency Lieutenant General
The Honorable John Abercromby
Governor in Council
&c &c &c

Honorable Sir.

In reference to that part
of the proceedings of your Excellency in
Council under date the 24th. Ultimo
which relates to the claim of Major Dick
=ens of His Majesty's 34th. Regiment to
Indian allowances from the date of his
arrival at Calcutta. I have the honor to
report as follows —

Major Dickens states
that he embarked in the Fleet which sailed
from England in June 1812, that became
out in charge of a Detachment of nearly
100 Men for His Majesty's 86th. Regiment,
and that in consequence of not arriving in
the Bay before the Month of November
last,

No.
From the Mily. Auditor General.
Reports on the Claim of Major Dickens of H.M. 34th. Regiment to Indian allowances from the date of his arrival at Calcutta. —

2

Conc

1883 Fort St. George 17th September 1873

last. The whole of the Ships proceeded
to Calcutta where they arrived on the
18th of that Month.

3 Major Dickens has not
forwarded any documents shewing the date
=nation of the Fleet, or the authority under
which he acted in charge of the Troops, I can
therefore only state generally, that if the
Fleet was bound to Madras and proceeded
to calcutta, or if Major Dickens's employ
=ment on the above duty has been recognized
by His Excellency the Commander in Chief
the Major's claim will in either case be deserv=
=ing of favorable consideration -

4 The case of an Officer in
Charge of a Detachment of Troops from
Europe is provided for by the Regulations -
he is entitled to Company's allowances from
the date of landing of the Troops in India
at whatever station or Presidency —

I have

11884

Military Audr.
Genrals Office
Fort St. George
13th September 1813

No. 7
Resolution thereon—

Fort St. George 17th September 1813

I have the honor to be
Sir &c
(Signed) J. Prendergast
Mily. Audr. Gl.

Resolved that Copy of the foregoing letter be transmitted to the Commander in Chief, with the Surrequest of the Board that His Excellency will be pleased to ascertain the original destination of the Ship, on which Major Dickens embarked in order to join His Majestys 34th Regiment, as also the authority under which that officer acted in taking charge of the Detachment coming out for His Majes-tys 86th Regiment

To His Excellency Lieutenant General
The Honorable John Abercromby.
Governor in Council &c &c &c

Honorable Sir

Understanding that the House

N B.
From the Military
Auditor General-
states

1885

Fort St. George 17th September 1813

States that his present office is too small, and requests permission to occupy the house recently purchased from Mr. Waddell

Sir

I have recently purchased by Government from Mr. Waddell is unoccupied and as I find the House which the Government now rents for the accommodation of this Department very inadequate to the dependent of the numerous and Voluminous Records which are every day increasing, I take the liberty of soliciting the permission of your Excellency in Council to occupy the former House for the better accommodation of the Military Auditor Generals Office, and its numerous Records, in which case the allowance now paid for an Office Viz. Pagodas Fifty per month will be a saving to the public.—

I have the honor to be

Sir &c &c

(Signed) I. Pruindergast

M. A. G.

Military Aud. Genl. Office

Fort St. George

4th September 1813

57

Resolution thereon.

Do by appropriating the house in question to the use proposed in the foregoing.

11886

Fort St George 17th September 1813

foregoing letter. The Government will be reimbur=
=sed from an expence of Pagodas Fifty per
month, and to that Amount indemnified for
the outlay on its purchase. The Board Resolve
that the Military Auditor General be instruc=
=ted to occupy the building recently purchased
from Mr. Waddel, and that the present
allowance to that Officer for Office Rent shall
cease on the 1st of the ensuing Month.

Read the following letter from
the Accountant General.

To the Chief Secretary to Government

Sir,

In reply to your letter of
the 29th ultimo, I have the honor to state that
the information conveyed in the letter from
the Secretary to Government at Bombay
Dated 9th ultimo as to the manner in which
the Charges of the Troops stationed at Poonah
are brought to account in the Military Books

of

No. 10

From the Account=
=ant General. Re=
=commends that the
charges of the Troops
at Poonah be brought
to account at this
Presidency in the
same manner as at
Bombay, as explain=
=ed in the letter
from the Secretary
to that Government
under date the 9th
Ultimo.

of that Presidency, is sufficiently specific to shew that no head of account of the nature of that hitherto in use for the same expense at this Presidency, is used there: and to confirm Government in my Letter of the 6th May last, that the Extra allowances of the Troops at Poonah should be brought to account in common with the similar allowance to Troops at any other Station — It also serves to remove the doubt entertained by the Military Auditor General with regard to the propriety of adopting that suggestion as expressed in his letter of the 26th June last for it explains that the method of inserting the expenses in question, which it was the object of my letter to get introduced at this Presidency already prevails at Bombay, by the practice of which the Military Auditor General desired in this instance to be guided —

I have

11888

Fort St. George 17th December 1813

Fort St. George

Accountt Genlt Office

13th September 1813

I have the honor to be

Sir &c &c

Signed Geo: Garrow

Accountt Genl

No 11.

Resolution thereon

Resolved that authority be given for transferring the extra expence of the Regiment of Native Cavalry serving with the Poonah Subsidiary Force from the head to which it is at present debited of "War with the confederated Mahratta Chiefs"; and bringing it to account in common with the general charges Military of this Establishment.

Read the following Letter from the Commissary General To Edward Wood, Esqre Secretary of Government in the Military Department.

Sir,

No 12.

From the Commy/ General. Represents the necessity of various repairs to the building lately occupied by the Board of

Having taken possession of the Building in Fort St. George which was lately occupied

11889 Fort St. George 17th. September 1813

of Trade; and now assigned as an office for his Department.

occupied by the Board of Trade. and which has recently been assigned as an Office for this Department by order of Government, I beg leave to represent to the Honorable the Governor in Council that several Repairs are in my judgement required to be made previously to the commencement of the Monsoon. and I have the honor therefore to suggest that the proper authority may be directed to survey the Building and eventually to execute such Repairs as may be considered indispensable.—

I have the honor to be.

Fort St. George

9th. September 1813

Your Your

(Signed) W. Morison

Comm/r Genl.

813

Order thereon

Ordered that a Copy of the foregoing Letter be transmitted to the Military Board, and that they be desired to issue the necessary directions to the Superintendeing Engineer to survey the Building lately occupied by

11890

Fort St. George 17th September 1813.

by the Board of Trade and eventually to
execute such Repairs as may be considered
indispensable.

Read the following Letter from
Captain T. Fraser of the Engineers —

To His Excellency Lieutenant General
The Honorable John Abercromby.
Governor in Council

Yea Yea Yea

Honorable Sir.

No 14

From Captain T. Fraser of Engineers. states that he is about to proceed in the execution of the duty assigned to him by the Court of Directors, and solicits that the amount of his salary may be determined.

As I am now about to proceed
in the execution of the important duty assigned
me by the Honorable the Court of Directors,
I trust I shall be excused in intruding my
=self on your notice at this early Stage of my
=spicon —

The Military letter from the
Honorable Court of Directors under date 25th
January 1812 will have informed your Excel.
=lency that I was detained in England from the

latter

11891

Fort St. George 17th September 1813

latter end of the year 1811, till March 1813 for the purpose of being instructed in the approved methods of making Gun Powder as practiced at the Kings' Powder Mills as well as in examining the Nature of the Machinery used in the manufacture; and in preparing Drawings and Models of the implements necessary for effecting a radical improvement in the Honorable Companys' Powder Works — and that after the Methods practised by His Majes-tys Officers are introduced at this Presidency, I am directed to proceed to Bengal and Bombay, for the purpose of establishing the English System of Manufacture in the Powder Works at those Presidencies; a duty which will be attended with very considerable personal expense, as well as great responsibility being attached to it. The Honorable Court however have omitted giving an allowance for this most laborious and important duty in their Communications

above

11892. Fort St. George 8th September 1813

above referred to; but on my leaving England
directed the attention of Government in the 19th
Paragraph of the General Letter of the 11th March
1813 to my Services, thereby leaving the Amount
of allowance to the Wisdom of Government, —
I have therefore to hope that your Excellency in
Council will be pleased to grant me such Salary
as will enable me to complete my mission with
the wished for advantage to the Public Service. —

Fort St. George
8th September 1813

I have the honor to be
Sir &c &c
Signed Thos. Fraser
Captain of Engineers

815.
Resolution thereon — Resolved in consequence, that
the following Letter be dispatched to the Secre-
tary to the Government at Fort William —

To C. W. Gardiner Esqre
Secretary to the Government
at Fort William

816
To the Secretary to the Government at Fort William Transmits Copy

Sir
Para 1. I am directed by the Honorable
the

1893

Fort St. George 17 September 1803.

Copy of a letter and enclosures from Captain Fraser of the Engineers, Requests that his Lordship in Council will determine the Amount of Salary to be allowed to him for the performance of the Service assigned to him by the Court of Directors. Submits that his Salary should Commence from the date of his arrival at Fort St. George.

The Governor in Council to request that you will submit to the Right Honorable the Governor General in Council the annexed Copy of a letter from Captain Thomas Fraser of the Corps of Engineers of this Establishment with the accompanying Extracts of letters from the Honorable the Court of Directors relating to the duty which the Honorable Court have assigned to that Officer.

2 As in the execution of this duty, he will eventually be employed at the Presidency of Fort William and at Bombay, and it appears desirable that his allowances at the several Presidencies should be regulated on a uniform Principle, I am further directed to express the request of the Governor in Council that His Lordship in Council may be pleased to determine the Amount of the Salary, which it will be proper to grant to Captain Fraser for the performance of the Service in question.

3 The Governor in Council &

Incloses

11894

Fort St. George 17th September 1813

Troops must be submitted that the Salary which his
may be allowed by His Lordship in Council
should commence from the date of Captain
Fraser's arrival at Fort St. George

I have the honor to be

Sir Sir Sir

Signed Edward Wood

Secretary to Govt.

Fort St. George

17th September, 1813.

Read the following Dispatch

From Fort William

To His Excellency Lieutenant General

The Honorable John Abercromby

Governor in Council of

Fort St. George.

Honorable Sirs,

We have the honor to transmit
to you the accompanying Copy of a letter and of its
Enclosure from the Government of Java, with
Copy of the letter which we have addressed to the
Lieutenant Governor in Council in reply, and we

Seal

No 17.

From Fort William. Encloses Copies of dispatches from and to the Government of Java regarding Lieutenant Colonel Mackenzie's services on that Island requests permission for him to remain at Calcutta till January for the purpose of preparing a report on the statistical enquiries in which he has been engaged.

Fort St. George 17th September 1813

feel satisfied that your Excellency in Council will see reason to concur in the Sentiments of approbation which we have expressed in noticing the meritorious Services of Lieutenant Colonel McKenzie of the Madras Establishment —

2 As Colonel McKenzie is understood to have collected very extensive materials relating to questions of great interest in the Island of Java, and as some time will be required to arrange them and to prepare a general report on the different objects of Enquiry to which his attention has been directed, we request that your Excellency will be pleased to permit Colonel MacKenzie to remain at this Presidency until the month of January next for this particular purpose — Between the present period and the Change of the Monsoon it is to be apprehended that the report could not be completed; and as Colonel MacKenzie would not be able to procure a Conveyance to Fort St. George during the Monsoon we are

induced

11896 Fort St. George 17th September 1813

induced to request that his leave of absence may
be extended to the begining of January next —

We have the honor to be

Fort William
the 21st. August 1813

Sir Sir
Your
Minto
G: Nugent
N. B. Edmonstone
Arch. Seton

(signed)

To the Right Honorable Lord Minto
Governor General
Sir Sir Sir
Fort William

My Lord,

Lieutenant Colonel Mackenzie
having completed the objects of his stay in Java,
I have the honor to inform you that he proceeds
to Bengal on the Ship Isabella, in order to com-
municate with your Lordship, and to afford
you every possible information on the state of
landed tenure and cultivation, and the general

condition

Fort St. George 17th September 1813

condition of the Native Inhabitants of Java —

I the enclosed General Order which I have thought it proper to publish on the departure of Colonel Mackenzie, will convey to your Lordship the acknowledgements which we have felt due to the Zealous and indefatigable exertions of this distinguished Officer — to which I request respectfully to add my particular recommendation to the Supreme Government in his favor.

On the Establishment of the Committee for investigating the state of Landed Tenure &c in Java, an Allowance was granted to the Presidents and Members of the Commission to cover the extraordinary Expences to which they might be subjected — the amount of this has been regularly drawn by the other Members, but some hesitation has been felt on the part of Lieutenant Colonel Mackenzie, to receive this Allowance, under the assurance that he offered

to

11898

Fort St. George 17th. September 1813

to your Lordship previous to your departure that his stay in Java would not occasion any additional Expense to Government – Colonel Mackenzie has in consequence only received a part of this Allowance on account, which he required to defray some absolutely necessary Expenses, but I request respectfully to submit to your Lordship that he may be authorized to draw the remainder under your sanction – The Expences to which he has been subjected have been considerable and the allowance fixed by this Government was not calculated to exceed them

The proceedings of the Commission of which Colonel Mackenzie was President having been brought to a close I shall at an early period have the honor to report to your Lordship the result of the Investigation, in the mean time, I have thought it advisable that Colonel Mackenzie should proceed

11879 Fort St. George 17th. September 1813

proceed to Bengal in order to afford your Lord-
=ship personally every possible information pre-
=vious to his return to Madras.

Batavia
the 15th. July 1813.

I have
&c.
(Signed) Thos. S. Raffles

General Order by Government

The Honorable the Lieutenant
Governor in Council avails himself of the oppor-
=tunity afforded by the approaching departure
of Lieutenant Colonel Colin Mackenzie, Chief-
Engineer on the Expedition of Java, to render
to that distinguished officer this peculiar ac-
=knowledgments and to testify his unreserved
approbation of the Zeal, ability, and unwearied
application which he has displayed on this
Island.

Lieutenant Colonel Mackenzie
has since the Conquest of Java been employed
under the sanction and authority of the Right
Honorable

11900

Fort St. George, 1st. September 1813

Honorable the Governor General, in collecting
and arranging the topographical and Mi-
=litary Reports and Surveys of the former
Government, in investigating the History and
Antiquities of the Island, and in ascertain-
=ing the state of landed tenure, and the
general condition of the Inhabitants.-

The topographical Surveys
commenced under the late Government have
been found to merit very attention, and on the
suggestion of Lieutenant Colonel MacKenzie:-
they will be continued partly on the same plan-

On the History and Antiqui-
=ties of the Island much valuable information
has been obtained, and the acknowledged qua-
=lifications and ability of Colonel MacKenzie
justify the expectation that on his return to
India many interesting results will be as-
certained.-

As President of the Commis-
=sion

1901 Fort St. George 1st. September 1813

Commission on Java affairs. Lieutenant Colo-
=nel Mackenzie has visited almost every part
of the Island; and the considerable and impor
=tant Collections which have been made by the
Commission added to the interesting documents
which have been procured by his personal dili-
=gence and research will form a body of most
useful and interesting information to serve as
a Basis for the Furtherance and completion
of the Statistical enquiries which have been set
on foot - Enquiries of this nature would ap-
=pear to have latterly attracted the attention of
the former Government of this Colony; but the
state of the Island was unfavorable to their
success; and it is to the unremitting and extra=
=ordinary application and Zeal of Lieutenant=
Colonel Mackenzie, that we are principally
indebted for the Lights which have been thrown
on the subject - Under his superintendence, a
General Statistical Table of the population and

produce

Fort St. George 17th. September 1813

produce of the Island has been compiled on
principles which insure its near approach
to accuracy; and the answers which have
been given to the Queries historical, literary
and oeconomical circulated through the Is-
land at his suggestion, afford information
of considerable interest and importance -

The result has justified
the opinion that the Native Inhabitants of
in British India has dictated, and that
the Revenues of the Colony are of sufficient
importance and consideration to bear every
expence, charge and trouble attending their
collection under such an improved System.

Java must ever be consi-
dered as a great agricultural Country,
and as the Granary of the Eastern Islands -
to remove every obstruction on the agriculture

and

Fort St George 17th September 1813

and Commerce of the Country is alike conducive to the happiness of the people and to the interests of Government; and the information and opinions furnished by Lieutenant Colonel Mackenzie will enable Government in ameliorating and improving the general condition of the Colony to establish a more enlightened and advantageous system of internal administration.—

The Honorable the Lieutenant Governor in Council will have much satisfaction in communicating to the Supreme Government the favorable sentiments which he entertains of the essential benefits which have been conferred on this Colony by the exertions of Lieutenant colonel Mackenzie, and the Lieutenant Governor requests that he will accept his personal thanks for the aid and advice which his talents and judgement have afforded during his stay on this Island.—

By

11904

Fort St. George 17th September 1813

By Order of the Honorable

the Lieutenant Governor in Council —

(Signed) C. Assey.

Secretary to the Govt.

To The Honorable Thomas S. Raffles, Esqre

Lieutenant Governor in Council of

Java

Honorable Sir.

We have had the honor

to receive your Letter of the 15th Ultimo with

its Enclosure, and we have noticed with the

utmost satisfaction the high testimony which

you bear to the meritorious and useful Ser-

vices of Lieutenant Colonel Mackenzie of

the Madras Establishment. We are ourselves

impressed with the same sentiments on the

character and conduct of this valuable officer,

and we shall not fail to point out to the

Government of Fort St. George the claims

which he has established to the approbation

of

1905 Fort St. George 17th September 1813.

of this Government -

2 We consider Colonel Mackenzie to be justly entitled to draw the Allowances which you had assigned him to defray his extraordinary Expences as President of the Committee appointed to prosecute an enquiry into different objects of local interest in Java, and we shall give Orders for the payment of the portion of this Allowance which appears to be still due to Colonel Mackenzie -

3 In order that Colonel Mackenzie may be enabled to complete his report on the results of his enquiries, we propose to request the Government of Fort St. George to permit Colonel Mackenzie to remain at this Presidency until the Month of January next; and we are persuaded that the public Service will ultimately derive much benefit from the useful labours of this deserving Officer.

We

1906

Fort St. George 17th. September 1813

We have the honor to be

Fort William

the 21st. August 1813

Your

Your

Minto

(Signed) W. B. Edmonstone

A. Seton

(True Copies)

(Signed) H. Tucker

Secy. to the Govt.

Resolved that the following

Resolution thereon

reply be dispatched to Fort William.

To the Right Honorable

Gilbert Earl of Minto

Governor General in Council at

Fort William

My Lord.

1818

To Fort William - Acknowledges the receipt of the dispatch of the 21st ultimo - expresses the satisfaction of this Government at the favorable opinion which his Lordship in Council entertains of Lieutenant Colonel Mackenzie's merits. Permits that officer to remain in Bengal till the 1st Jany. next.

We have the honor to acknow-

Para 1

-ledge the receipt of your Lordship's Letter of

the 21st ultimo with its Enclosures from the

Government at Batavia, and join your

Lordship in Council to the Lieutenant Governor

in

1905 Fort St. George 17th September 1813.

of this Government -

2 We consider Colonel Mackenzie to be justly entitled to draw the Allowances which you had assigned him to defray his extraordinary Expences as President of the Committee appointed to prosecute an enquiry into different objects of local interest in Java, and we shall give Orders for the payment of the portion of this Allowance which appears to be still due to Colonel Mackenzie -

3 In order that Colonel Mackenzie may be enabled to complete his report on the results of his enquiries, we propose to request the Government of Fort St. George to permit Colonel Mackenzie to remain at this Presidency until the Month of January next; and we are persuaded that the public Service will ultimately derive much benefit from the useful labours of this deserving Officer.

We

1906

Fort St. George 17th. September 1813

We have the honor to be.

Fort William

the 21st. August 1813

Your

Minto

(Signed) W. B. Edmonstone

A. Seton

(True Copies)

(Signed) H. Tucker

Secy. to the Govt.

Resolved that the following

Resolution thereon

reply be dispatched to Fort William.

To the Right Honorable

Gilbert Earl of Minto

Governor General in Council at

Fort William

My Lord.

We have the honor to acknow

Para 1

-ledge the receipt of your Lordship's Letter of

the 21st. ultimo with its Enclosures from the

Government at Batavia, and from your

Lordship in Council to the Lieutenant Governor

in

N.B.

To Fort William - Acknowledges the receipt of the dispatch of the 21st. ultimo - approves the satisfaction of this Government at the favorable opinion which this Lordship in Council entertains of Lieutenant Colonel Mackenzie's merits. Permits that officer to remain in Bengal till the 1st. Jany. next.

1907. Fort St. George 17th September 1813

In Council in reply to his Dispatch of the 15th of July—

2 We notice with Cordial satisfaction the Sense which your Lordship in Council entertains of the merits of Lieutenant Colonel Colin Mackenzie of the Corps of Engineers of this Establishment, and the approbation and applause, with which your Lordship has been pleased to distinguish his recent Services on the Island of Java are peculiarly acceptable to this Government.—

3 We readily accede to your Lordships' wish that Lieutenant Colonel Mackenzie may be permitted to remain in Bengal until the beginning of January next, and the extension of that Officers' leave of absence to the 1st of January has accordingly been published in General Orders.

Fort St. George
17th September 1813

We have the honor to be &c &c &c
(Signed) John Abercromby.
&
Council.

Read

11908

Fort St. George 17th. September 1813.

Read the following Letters.

To Geoe. Strachey Esqre.

Secretary to the Governmnt at

Fort St. George

Sir,

I am directed by the Right Honorable the Governor General in Council to acknowledge the receipt of your Letter of the 20th. Ultimo with its Enclosures, and in reply to inform you that the Invoices of Forage sent on board of the Honora. the Company's Ships Baring and Metcalfe therein referred to will be sent to the proper Department for adjustment with the Commanders of those Indiamen.

I have the honor to be

Sir &c.

Signed C. W. Gardiner

Secretary to Govt.

Ordered

Fort William

the 17th. August 1813

No 19

From the Secretary to the Governmnt at Fort William. — States that the Invoices of Forage sent on board the Baring and Metcalfe will be sent to the proper Department for adjustment with the Commanders of those Vessels.

Fort St. George 17th September 1813

11909

N 20

Order thereon

Ordered that a Copy of the foregoing Letter be furnished to the Commissary General for his information.

To the Secretary to Government.

Military Department

Fort St. George.

Sir.

N 21

From the Officer Commanding at Wallajahbad Reports that he has ordered 5 days grain to be issued to the troops in consequence of an artificial scarcity in the market.

I have the honor of reporting to you for the information of the Honorable the Governor that I have this day directed five days Grain to be issued from the Stores to the Troops and Public Followers at this Station in consequence of the third sort of Rice in the market having risen so high in its price as Pagodas 11¼ per Garce, and being obtained with great difficulty owing to an artificial scarcity produced by a Combination of the Venders of Grain in the Bazar for the purpose of enhancing its price still more.

I have the honor to be &c &c

Signed R.t Fletcher

Lieut Col.t Comg.

Wallajahbad

11th September 1813.

Ordered

11910

Fort St. George 17th September 1813

№ 22
Order thereon

Ordered that a Copy of the foregoing letter be furnished to the Commy. General for his information.—

To the Secretary to Government
in the Military Department
Fort St. George

Sir,

№ 23
From the Officer Commanding at Vellore Representing the necessity of certain Repairs to the Granary and Arrack Godown at Vellore—

I have the honor to transmit Proceedings of a Committee assembled to inspect and report on the state of the Granary and Arrack Godown at this Place, and with it an Estimate of the Probable expence to be incurred by replacing all the Doors and Windows of the Granary, and the Doors of the Arrack Godown are in an unserviceable state having become rotten from long exposure to the Weather— The Roof of the Granary and the Chunam terrace inside the Yard for drying the Grain require also some slight Repairs and the new Doors of the Arrack Godown will

require

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Fort St. George 17th September 1813

requiring to be built in with brick and Chunam —

I therefore have to request that the Honorable the

Governor in Council will be pleased to give the —

necessary Orders for the Repairs —

I have the honor to be

Sir

Your

Vellore.

12th September 1813

(Signed) Ross Lang

Colonel Comg.

Proceedings of a Committee assembled by order

of Lieutenant Colonel Hastings Fraser Commanding Vellore for the purpose of inspecting and Reporting upon the State of the Granary and Arrack Godown —

Vellore 31st July 1813.

Lieut Colt. Hastings Fraser Commanding President

Major Gabriel 2d. Bn. 12th Regt. NI.
Capt. Laughlin H. M. 34th Regt. NI. } Members { Capt. Marston H. M. 86th Regt. / D°. ... Morrice D°. —

The Committee having proceeded to inspect the Granary and the Arrack Godown are of opinion that the whole of the Doors and Win-

dows

1912

Fort St George 17th September 1813

Windows of the Granary and the Doors of the Arrack Godown are in an unserviceable state having became rotten from long exposure to the Weather —

The Roof of the Granary and the Chunam terrace inside the Yard for drying the Grain, require also some slight Repairs and the new Doors of the Arrack Godown will require to be built in with brick and Chunam the Old ones being at present imperfectly fixed with Brick and mud only —

(Signed) Hastings Fraser
Lieut. Col. 86th Regt. Pro

(Signed) Ross Lang.
Col. Comg.

Signed/ J. E. Gabriel Major
" Member —
J. Dauphin Capt. 86th

numbers

D. Marston Capt. 86th Regt.
D. Morrice Capt. 86th Regt.

Probable.

Probable Estemate of the Expence of Repairing the Granary and Arrack Godown at Vellore agreeably to the Report of a Committee of Survey assembled by Order of the Officer Commanding on the 31st July 1813

Measurement Length Feet	Measurement Height or Depth Inches	Measurement Breadth or Thickness Inches	Measurement Superficial Square Feet	Measurement Cubic Feet		Pagodas	Fanams	Cash
					Granary			
605	90		181	65	Shifting Tiles	66	60	27 11 11
210	42		89	46	Plastering the Floors for drying Grain with 2 Coats of Coarse and 1 Coat of fine Chunam	340	7/10	67 35 46
	07	4			9 Pairs of New strong Batten Doors with double Country Wood Planks Diamond headed Nails bolts hinges &c. Complete	27	66	68 25 34

Sept. 1813

" " 03 3/4	2 3/4	?	"	"	24 Windows country wood Battened with bolts, Hinges. Dowels &c. complete	}	1	2368 3/4	pc.	36 32 44.

Arrack Godown

" " 6	" 5	"	"	"	One new Door with frames &c complete		4	43 66	pcs	4 43 66
" " 3	3/4 4	"	"	"	One new Door frame		"	36 71	pc.	" 36 71
" " 3	" 3	"	"	"	3 Window Shutters with Hinges bolts &c. complete	}	1	2368 1/4	pc.	4 26 45 1/2
" " "	" "	"	"	400	Brick in Chunam for fixing 2 Door frames		"	1 29 1/2	pcs	12 06 20
										222 38 18.

Total Star Pagodas Two hundred and Twenty two Fant. Thirty Eight and Cash Eighteen

Total Star Pagodas — 222 38 18.

Arcot 3d September 1813.

Signed C. Mackintosh

Lieut. Superg. Engineer C. D.

Dated 1st September 1813.

No 15

Fort St George Sepr 1813

Materials

6250	Wall Bricks including Carriage	"	33 60	₱ M	4	30 ¾
14136 ½	Pan Tiles ..... Ditto	"	12 68	₱ do.	4	1 52
288 ½	Collums of Chunam	"	12 68	₱ C.ft	13	31 17 ⅝
288 31/80	Marcals of Stone Ditto	"	11 20	₱ 12	3	26 49 ½
552 153/160	Collums of River Sand	"	" 32	₱ C.ft	4	41 16 ½
288 ½	Pounds of Jagary	"	" 38	₱ lb	3	1 38 ¼
22 "	Cart loads of Timber 1st Sort 8 feet by 10. inches g	1	38 lbs	₱ C.	20	38 08
305 2/25	Sers of Wrought Iron. Hinges Hooks. Dowels . Nails &c	1	" "	₱ lb	34	38 54 ½
	Balasum Tyru Cloth &c	"	" "	"	4	43 52 ½
9	Pad Lock	"	18 "	₱ C.	3	27 "
					120	10 ⅞

Artificers –

558 41/100	Bricklayers	"	3 "	₱ C.	37	9 61 ½

188 157/160	Cookymen	"	2	"	₰ ditto	8	17 7/8
449 1/18	Ditto Women	"	1	"	₰ ditto	9	44 05
43 3/4	Ditto Boys	"	"	60	₰ ditto	"	32 65
2 44 1/2	Carpenter	"	4	"	₰ ditto	21	33 "
161	Sawyers	"	3	"	₰ ditto	10	33 "
32 1/2	Smiths	"	4	"	₰ ditto	"	40 "
18	Hammermen	"	2	"	₰ ditto	"	36 "
"	Sundries					10	05 35 1/2
						108	27 25
	Total Star Pagodas					222	38 18

Arcot 9th

September 1813

Signed C. Mackintosh

Lieut. Supg. Engineer C. D.

Data

1813

Abstract of Coolies employed on the Fort St. George from 1st to 30th September 1813

Materials

6250	Malt Bricks including Carriage	"	33 60	₰1000	4 30	¾5
14136/144	Pan Tiles ..... Ditto	"	12 68	₰do.	1	52
288/144	Coolums of Chunam	"	12 68	₰C.	13 31	17⅝
288 31/80	Marcals of Stone Ditto	"	11 20	₰12	3 26	49/144
552 153/160	Coolums of River Sand	"	32	₰C.	1	41 16/160
288 1/8	Pounds of Jagary	"	38	₰cwt	3	1 38¼
22 "	Cart loads of Timber 1st Sort 8 feet by 10. inches square	1	38	₰C.	41	38 08
365 2/25	Sorts of Wrought Iron. Hinges Hooks. Dowels. Nails &c	1	"	₰cwt	34	38 54½
	Balapoom Tyre Cloth &c	"	"	"	4	43 52½
9	Pad Lock	"	13	₰C.	3	27
					120	10 ¾3

Artificers

558 41/160	Bricklayers	"	3	₰C.	37	9 61/144

Fort St. George 17th September 1813

188 157/160	Cookymen	"	2	"	℔ ditto	8	17	7/8
449 1/16	Ditto Women	"	1	"	℔ ditto	9	44	05
43 3/4	Ditto Boys	"	"	60	℔ ditto	"	32	65
244 1/2	Carpenter	"	4	"	℔ ditto	21	33	"
161	Sawyers	"	3	"	℔ ditto	10	33	"
32 1/2	Smiths	"	4	"	℔ ditto	2	10	"
18	Hammermen	"	2	"	℔ ditto	"	36	"
"	Scindies					10	05	35 1/2

108 27/25

Total Star Pagodas..... 222 38 18.

Arcot 9th

September 1813

Signed C. Mackentosh

Lieut. Supg. Engineer C. D.

Date

1813

Fort St. George 17th September 1813

Data

Shifting Tiles

	Tile						
	Chunam Sagary &c.						
1	Bricklayer					3	
1/11	Coolyman					40	
1	Ditto Woman					1	
"	Sundries for Scaffolding &c.					20	
	Plastering with 2 Coats of Chunam and 1 Coat of	}	P.t Square of 100 ft.		"	6 80	
	— of fine Chunam.						
2 1/10	Coleums of Chunam		"	2 11	₱ £	"	4 39/10
3	Marcals of Stone Chunam		"	11 20	₱ 12	"	2 65
4 ₱	Collums of River Sand		"	" 32	₱ £	"	1 64
2 1/10	Pounds of Sagary		"	" 36	₱ lbs	"	" 79 4/5
4	Bricklayers		"	3 "	₱ £	"	12 "
1 ₱	Coolymen		"	2 "	₱ £	"	3 "

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2 1/2	Ditto Woman		"	1 "	₰ d. "	2 40
	Balasium Tyre Yea		"	" "	" "	2 40
	Sundries for Scaffolding Yea		"	" "	" "	4 "
	One Pair of Strong Batten Doors with double Country wood Planks Diamond headed Nails bolts Hinges & Complete—				₰ Square of 10 ₰	" 34 07 1/10
	Wood Planks Diamond headed Nails bolts Hinges Yea Complete—					
1/2	Cart loads of Timber 1st Sort			1 38 Yds	₰ Yd.	2 35 26
17 1/2	Sers of Iron			1 " "	₰ 3/4	2 " "
11	Sawyers				₰ Ea	" 33 "
15	Carpenters		"	1 "	₰ D	1 15 "
2	Smiths		"	1 "	₰ D	" 6 "
2	Hammermen		"	2 "	₰ D	" 4 "
1	Pad Lock		"	" "	" "	" 18 "
	Sundries		"	" "	" "	" 4 40
					₰ 1 Door	7 2 7 66
	Carried Over					

Nov 18th

Sept 13th

Brought Over . . . . £ 1 19 10

1 Window 3. 9. by 2. 3

¼	Cart load of Timber	"	"	25 7½
5	Sears of Iron	"	"	25 37½
3½	Carpenters	"	"	14 "
2	Sawyers	"	"	6 "
½	Smith	"	"	2 "
"	Sundries for Scaffolding	"	"	20 "
			Pd. 1 Window	1 2 68½

1 Door with Frames

1	Cart load of Timber	1	38 44 Pd.	1 38 44
12½	Sears of Iron	1	" 2 8¾	1 19 22
8	Sawyers	"	3 " Pd. E	" 24 "
11	Carpenters	"	4 " Pd. D.	" 44 "
1	Smith	"	4 " Pd. D.	" 4 "
"	Sundries for Scaffolding	"	" " "	" 4 "
			Pd. 1 Door	4 43 66

Fort St. George Jan. 1813

	1 Door Frame			
1/4	Cart Load of Timber	1	38 44 ₱ Ct.	" 20 71
4	Carpenters	"	4 " ₱ D.	" 16 "
"	Brick work in Chunam	₱ 1 Door Frame		" 36 71
1000	Wall Bricks including Carriage	"	33 60 ₱ 1000	" 33 60
7	Collums of Chunam	"	12 66 ₱ 6	" 14 19
10%	Ditto of River Sand	"	" 32 ₱ D.	" 4 16
7	Pounds of Jagary	"	" 38 ₱ Do	" 3 26
"	Chunam beater Wooden	"	" " " "	" 2 "
3	Bricklayers	"	3 " ₱ D.	" 9 "
1/2	Coolymen	"	2 " ₱ D.	" 3 "
7	Women	"	1 " ₱ D.	" 7 "
7	Boys	"	" 60 ₱ D.	" 5 20
"	Sundries for Scaffolding &c	"	" " "	" 4 70
			₱ 1 64 Cub Feet	1 42 31
			₱ 1 D°	" 1 29 1/4

Azcot 9.th September 1813.

(Signed) C. Mackintosh
Lieut & Supt. Engineer C. Dist

Approved

Estimate No 3 Septembr 1813

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Fort St. George 17th September 1813

N° 24
Duke Wirion

Ordered that Copies of the fore
going Letters and its enclosures be referred for
consideration and Report to the Military Board—

Resolved that the following
Letter be dispatched to the Military Board—

To the Presidents and Members
of the
Military Board—

Gentlemen,

N° 25

To the Military Board— Notwithstanding the delay which occurs in the commencement of public works subsequently to their issue of the requisite authority for their execution. Instances that which has taken place in affording accommodation to the Royals at Bangalore— Directs that it be explained and that the work in question be commenced without further delay—

The Honorable the Governor
in Council has had occasion to observe that
great delay generally takes place in the Commencement of Public Works subsequently to
the issue of the Requisite Authority for their
execution, and as it is attended in many
Cases with Serious inconvenience to the Public
Service, it is deemed advisable that its cause
should be ascertained, and that Measures
should be taken for obviating its occurrence in
future Cases—

The

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Fort St George 17th September 1822

2

The Annual Statements

Received from the Military Board of Public

Works will exhibit numerous instances of the

delay in question, but the attention of the

Governor in Council is more immediately —

directed to that which has taken place in af-

fording the requisite accommodation to His

majesty's Regiment of Royal Scots in Canton-

=ment at Bangalore. The Resolution for exten-

=ding the Barrack allotted for their reception

was communicated to you on the 16th of March;

the Plan and Estimate for the new Buildings

was passed for execution on the 2d of July. Not-

withstanding in noticing the dilatory preparation of those

Documents, the Governor in Council sufficiently

evinced his anxiety for the early completion of the

Work, it is understood that even the foundation of

it has not been yet commenced —

The

1192 3/4

Fort St. George 17th September 1813

The Governor in Council will expect to receive a satisfactory explanation of this delay, and to be assured in the course of a very few days that the work in question is in actual progress.

Fort St. George
17th September 1813.

I have the honor to be
Yr. &c. &c.

(Signed) G. Strachey
Chief Secretary

To
Lt. Col. Casamajor
Engineer

To
Lt. Col. Stanger
&c. &c. &c.