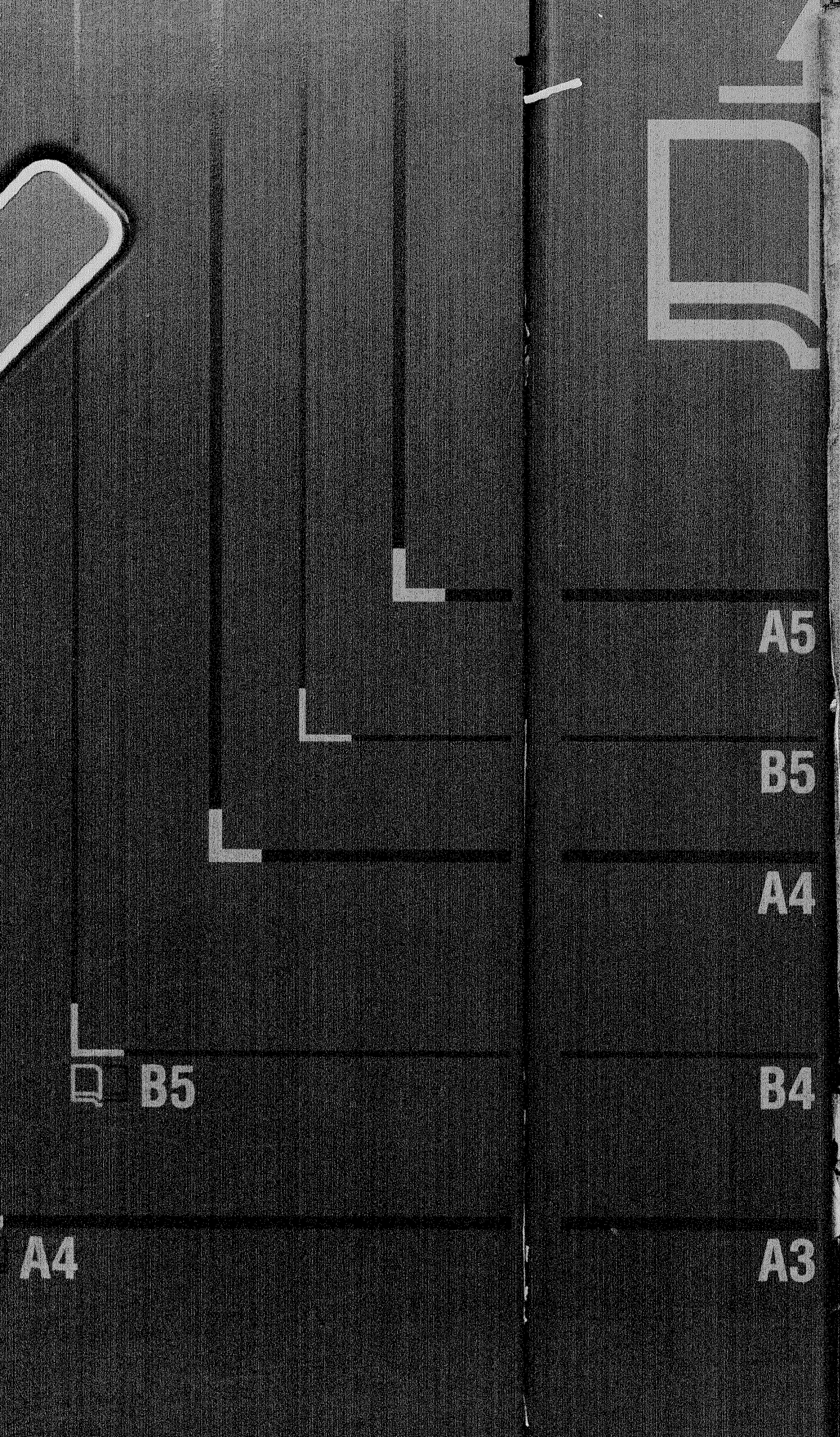


1 number of pages :- 28
 2) date of repair :- 4/88
 3) initial of referencer :- *cm*

P. W. Department

Gono :- 3274 W
 dated :- 1.12.1887

on 8



1st DECEMBER 1887, No. 3274 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

READ—the following letter from Brigadier-General E. FAUNCE, Quartermaster-General, to the Secretary to Government, Military Department, dated Ootacamund, 11th November 1887, No. 3243 B:—

With reference to this office letter, No. 1347 B, dated 4th June 1887, I have the honor, by order, to forward, for sanction and transfer to the Public Works Department for disposal, the estimate, plans, &c., below-mentioned, which have been approved by the Commander-in-Chief. The plans and estimate have been countersigned:—

- I. Plans and supplemental estimate, amounting to Rs. 3,064, for converting the Cannanore fort into a defensive post.
- II. Report and specification.

No. 7044, Military.

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

(By Order.)

FORT ST. GEORGE,
14th November 1887.

(Signed)

A. KENNEY-HERBERT, Brigdr.-Genl.,
Secretary to Government.

ORDER—dated 1st December 1887, No. 3274 W., Public Works.

The estimate, amounting to Rs. 3,064, for converting the Cannanore fort into a defensible post, is sanctioned as supplemental to the estimate of Rs. 4,726 sanctioned in G.O., No. 1621 W., dated 16th June 1887.

2. This sanction has been registered as Imperial, Ordinary, No. 64 W. of 1887-88, and classified as Military, Original Works.

(True Extract.)

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

To the Superintending Engineer, IV Circle, with seven enclosures.
" Examiner, Public Works Accounts, with duplicate abstract estimate.
" Military Department.

Exd. E. Fernandez.
Spare Copies

BUILDINGS AND ROADS.
MILITARY WORKS.

Gobt. of (1887) Madras.
PUBLIC WORKS.

Dated December, 1st.

Recd.

Encl.

G.O., 1st Dec. 1887, No. 3274 W.

DECEMBER.

Cannanore Fort

Estimate for converting the — into a defensible post, sanctioned.

Superintending Engineer's Office 4th Circle.

Pimbatore 17th October 1887.

No. *368*

In

FROM,

COLONEL J. BRATTY R. E.,

SUPERINTENDING ENGINEER,

FOURTH CIRCLE.

TO,

*The Dy Commr General,
Southern District
Wellington.*

Encls: 6

SIR,

In continuation of my letter No. 271 of 30th July 1887 and with reference to your letter No. 2381 of 10th August 1887, I have the honor to forward for the approval of H.E. the Commander-in-Chief and the Government for sanction and provision of funds an estimate amounting to Rs. 3064 (supplemental to that of Rs. 4726 sanctioned in G.O. No. 1621 W. of 16th June 1887) for works still considered essential to

to complete the Samanore Fort
as a defensive post, together with
a plan, report, specification
and a duplicate abstract of
the estimate.

2. In para 3 of the above
letter, I gave the approximate
amount as Rs. 2500; the four
items as now estimated are,

I. Cutting down the wall DE,
loop-holing it and providing
a masonry platform — Rs. 649

II. — Do — Do. A B and do. — 571

III. Dismantling the foot
Bridge at S and constructing
a draw bridge in its place. — 744

IV. Constructing a well at I. — 546
Total Rs. — 2710

To which have been added
the following two items at the
suggestion of the officer com-
manding:—

V. Clearing out and deepening the
well at X. — Rs. 14

2724.

Brought over Rs. 2724

VI. Putting up a 2" Patten
door shutter to close covered³²⁷⁴
passage &c ————— Rs. 192

The balance of the
estimate is for super-
sion and Contingencies " 148
and this brings up the total
to Rupees ————— 3064

3. In my letter above referred
to I observed as follows:—

The well ~~is~~ would be so
cut off by the main ditch (26 feet
deep) and the rampart, as to be
practically inaccessible, and I
consider it would be useless do-
ing anything to it. I have there-
fore omitted from this estimate any
provision for deepening that well,
or building the wall ~~C~~ to cover it.

I have the honor to be

Sir
Your most obedient

Very truly, Colonel R. G.
Simpkins

27/10
1887

FROM

COLONEL J. BEATTY R.E.,
SUPERINTENDING ENGINEER,
FOURTH CIRCLE.

Dated.

17th October 1887.

Recd:

No. 363
m

ENCL: 6.

Commanore Fort.

Forwarding for approval
of H.E. the Command-in-
Chief and transmission
to Government for sanction
and provision of funds
a supplemental estimate
of Rs. 2064 for works still
considered essential to
complete the —

Wd. In. 1887.

10241
m

Superintg. Engineer's Office, 4th Circle
Bombay 30th July 1887.
Despatched 1st Aug. 1887

From

Colonel J. Beatty R.E.,
Superintg. Engineer,
Fourth Circle.

To

The Deputy Asst. Dir. Genl.,
Southern District.
Wellington.

Sir,

Enclosures 5. In returning the accompaniments
of your letter of 8th January 1887, and
2 appendices with reference to para 2 of the Quarter-
master-General's letter to the Secretary
to Government, Military Department, dated
14th March, 1887 B, printed with G.O.
No. 1621 of 16th March, I have the
honor to inform you that I visited
Bannemore on the 23rd Instant, and con-
sulted with the Officer Commanding the
Station in regard to the works still
considered essential to complete the
Fort

* Lt. J. M. Drew
deput.

Fort as a defensive post.

2. The works that appear to me to be necessary are as follow:-

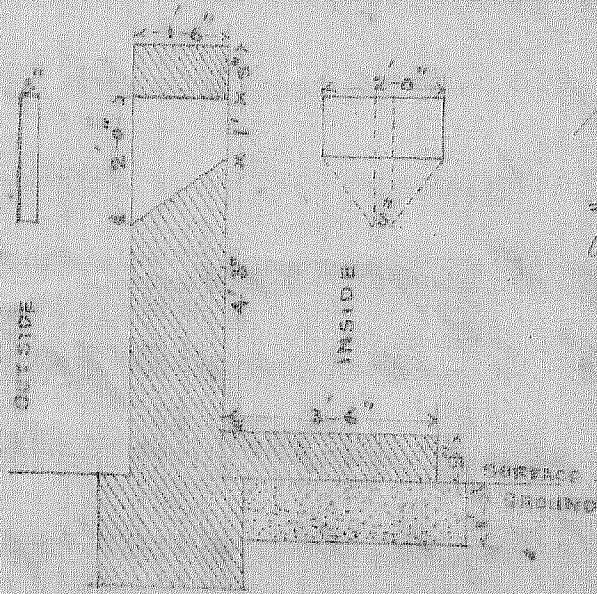
I. Improving the walls DE and AE. These are of masonry; the wall DE is 12½ feet high, and AE is in a ruined state varying in height from 2 to 8 feet. I would propose, altering both ^{so} to form loop-holed walls, with low masonry platforms for firing parties to stand

on, of the section shown in the margin which is somewhat similar to the masonry walls built under General

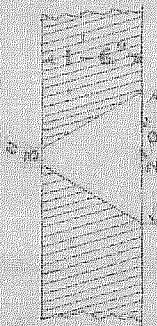
D. B. Gordon's orders

on either side of the end of the main ditch. This is work that could not be done properly by companies at military training. Colonel Heyser observed that it was "beyond the scope of military training, and should be performed by the S.M.V.", and Colonel Prendergast, I think, is of the same

opinion



PLAN OF LOOP-HOLES



opinion.

I would propose making the loop-holed walls 6'-9" high, with loop-holes 3 feet apart and 4¼ feet above the low masonry platform; I would make the platform 9 inches high and 3½ feet broad; the loopholes to play inwards only.

II. The Bridge S. is now a fixture; and only 3'-4" broad between the handrails. It is proposed to make the portion next the Fort moveable; so that it could be drawn away when necessary leaving a gap of 15 feet ^(scarp) clear between the inner wall of the main ditch and the pier. The clear width of roadway to be 9 feet so that a field piece could be taken, if requisite, across the ditch into the outwork to the west.

III. The great want of the Fort now is a sufficient supply of good drinking water. This was recognized by General Gordon, in paras 9 to 11 of his letter to the Quartermaster

General

General N^o 3 of 19th April 1886, and he proposed to remedy it by providing the Fort with a Condensing apparatus and iron Tanks for storing water. The apparatus and tanks were estimated to cost Rs: 3,300, and this was, by the Military Department, struck out of the estimate sanctioned in G.O. N^o 2571 W of 20th October 1886.

There is only one well in the Fort, marked I on Major Walker's Plan, herewith returned. It is considered that this well would be insufficient for the supply of any considerable number of troops and people who might temporarily take refuge in the Fort; and the well X outside the main Ditch is inconveniently situated. The well ~~is~~ would be cut off by the main Ditch (26 feet deep) and the rampart, as to be practically inaccessible, and I consider it would be useless doing any thing to it.

In the letter of the Officer commanding

Commanding Cannanore N^o 20 dated 9th August 1886, the well I is stated to be "brackish," but ^{my} from inquiry on the spot, I learn that this is so only in the hot season, and Major Morant in his Report on the Fort, dated 31st July 1880 No: 172 states that "the well in the Fort gives pure water except during the hottest months when it is brackish". If it were in constant use throughout the year, the brackishness complained of would doubtless cease. But it is manifestly insufficient of itself for the probable wants of the place.

I have had the four wells marked on Major Walker's plan Z, X, W and I examined, and I send on appendix B, the results of the measurements and levels taken. Z is the well outside the glacis which apparently always yields good water, probably because it is largely used. X is outside the main Ditch near the Drawbridge. W is in the ditch of the

the narrow, very inaccessible. T is the only one in the fort. The level of the bottom of the well T is the lowest of all, but there is only 2.6 feet of water in it now at the end of July.

I recommend the construction of a new well in the Fort of ten feet interior diameter, at a little distance from the well T. The depth of the new well to be the same as that of the well Z, and it should be provided with an annular counter sloping masonry platform and catch drain to carry off water spilt about it, also with the ordinary means of drawing water by wheel and buckets.

IV. An earthen breastwork is now being constructed between the points A and D by the companies at Military training.

V. The woodwork of the old water gate, near the main gate, being in a ruinous condition, the gap in the outer wall at that place is about 40

to be walled up. I understand that an Estimate for this has been sanctioned and funds allotted. 87 1/2

VI. The widening of the prolongation of the Main Ditch and of the Draw Bridge over it will be carried out immediately on the sanction given in G.O. No. 1621 W of 16th June 1887.

3. I shall be obliged by your informing me whether the loopholed walls, draw bridge, and new well should be included in the supplemental estimate now under preparation, and whether the dimensions I have proposed are approved. There may also be some other works still wanted, which have escaped my notice, and it is of course desirable that the new estimate should be as complete as possible.

The approximate cost of the improvements I, II, III would be as follows.

I. Cutting down the wall & loopholing it and providing a masonry platform. Rs. 850

Also

Also Constructing a loopholed
wall on the line A.B. instead of the
present ruined wall, but utilizing as
much of it as possible — Rs. 450

II. Constructing a beam
bridge at S. ————— " 800

III. Constructing a new
well in the Fort near the ex-
isting well T. ————— " 400

Total Rupees 2500

I have the honor to be,

Sir,

Your most obedt. servant.

L. Beatty. Col. R.E.,
Supg. Engineer, 4th circle.

2. 8. 97 Dymagun 187

From

Colonel J. Beatty R.E.,
Superintendent,
Fourth Circle

Dated 30th July 1887

No. 271
19m
Enc. 5.

Cannanore Fort.

States that he visited Cannanore on the 23rd instant, and consulted with the officer commanding the station regarding the works still considered necessary; and also giving the approximate cost of the required works.

Barracks and Buildings
Estimate.

No. 3243B

From

Brigadier-General E. FAUNCE,

QUARTER MASTER GENERAL,

To

THE SECRETARY TO GOVERNMENT,

MILITARY DEPARTMENT.

Sir, With reference to this office letter No. 1347 dated 14th June 1887, I have the honor, by order, to forward for sanction and transfer to the Public Works Department for disposal, the estimate, plans &c., below-mentioned, which have been approved by the Commander-in-Chief. The plans and estimate have been countersigned.

- I. Plans and supplemental estimate amounting to Rs. 3164-0-0 for converting the Cannanore Fort into a defensive Post.
II. Report and specification

I have the honor to be

Sir

your obedient servant

D. S. Woodcock

Lieut. Colonel
Dy. Quarter Master General

9.0 1621W 4/16-6-87

" 2920W - 5-11-87

9/10 - 2571W - 20-10-84

N - 2354W - 21-8-83

- 2145-46W - 4-8-83

- 2015W - 21-7-83

9.0.1957W - 12-7-83

N^o 183 E₀ - 28-6-83

- 1175C - 21-6-83

9.0.1551W - 4-6-83

N^o 1016C - 28-5-83

9.0.1374W - 11-5-83

N^o 727-8W - 7-3-83

9.0.2659W - 12-10-8

P.S. 11.7.87. No. 242/43Q

Military (1887) Department.

No.

From

THE QUARTER MASTER GENERAL,

To

THE SECRETARY TO GOVERNMENT,

MILITARY DEPARTMENT.

No. 2246B

Dated 11th } November.
Received 16 }

ENCLOSURES.

Enclosed for sanction
Plans and estimate for converting
the Camaguey Fort into a
defensive Post.

Lat Saint George
14th Nov. 87.

N. 7046. Approved
and transferred to the
Public Works Dept. for
disposal.

By order.

Alfred Herbert Bissell
Secy. to Govt. N.D.

11th Nov. 87

Public Works Department.

Current No. 9298

Letter No. 7046 3774

Dated the 14th November 1887

From the Secy. to Govt. N.D.

NOTE OF REMARKS.

The estimate under
reference is a supplementary
one amounting to
Rs 3064 for erecting
an fort at Camaguey
an offensive defensive
work.

The original estimate
amounting to Rs 4726
was sanctioned in
L.O. No 16217 d/16th
June 1887, but subsequent
to that estimate work
was found necessary
and is particularised
as follows:-

I cutting down
the wall D.F. forming
loop holes and providing
a masonry platform Rs 649

Brought forward Rs 649

the work done in AE 571

II Disengaging the
first bridge at S
and constructing
a second bridge
in its place. Rs 944

III Constructing wall
at T. Rs 546

IV Clearing and
disengaging the
wall at X. Rs 14

V Putting up a
2' battu wall
to close covered
passage at Y. Rs 192

VI Supervision and
camping Rs 148
Total Rs 2054

Items I & II have
been included in the
estimate at the
suggestion of the
Officer Commanding
The total of the Original
& Supplemental Est.
is therefore Rs 7790.
The rates are fair.

The estimate has been
counter-signed by
the 2nd Lt General
and approved in
the Military Dept.

22/10/87

3274/13

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the

READ the following

Letter from the Quarter Master General No 3243 B. of 11th Nov 1887
Encl. in the Military Dept. " No 7044 of 14th Nov 1887

3

The estimate amounting to Rs 3064 for mounting the same more fort into a defensible post is sanctioned as supplementary to the estimate of Rs 4726 sanctioned in G.O. No 16214 of 16th June 1887

2 This sanction has been registered as Imperial Ordinance No 54 W of 1887, and classified as Military, Original Works.

2/12

W. 11/11/87

The Insp^t Eng. W. Cooke
with 7 enclosures

Genl. P. M. A. C. C.
with 10 enclosures &c

Military Dept.

28/11/87

W. 28/11

NOV 11 1887

PUBLIC WORKS

10/11/87

Dear Sir 32744

Courtesy Sir

Refers converting the
into a defensible post,
and turned

80

4

87/2