Go. 3037 dy 26-9-88

22.3.20

Military (1888) Department.

No. 7490

From

THE QUARTER MASTER GENERAL,

To

THE SECRETARY TO GOVERNMENT,

MILITARY DEPARTMENT.

No. 3775 A.

Dated 10 } Oct.
Received 15 }

Rep19

No 6939. Transferred to the Public Works Department and the referred papers returned.

(By order)

A Kearney Herbert. Lt Genl

Secretary to Government.

SECRETARY TO GOVERNMENT
13 OCT. 88
P.W. DEPARTMENT, MADRAS.

Fort Saint George
17th October 1888

No. 3985 W dy 20.XII.88

B

Recorded, with reference to Gp. Go 37726 dy 29.11.88.

19.12.88

Go 3985 W dy 20.XII.88

X ENCLOSURES. 4 (2 plans)

States plan &c for an armoured ship for N. I. ab Quilon was prepared by the Ex. Engr. West Coast Div on the Standard design for a B. Sloop for reasons given

G.O. 3037 dy 26-9-88

22.3.20

Public Works Department.
Ootacamund, 11th September 1888.

No. 646. D.

Letter from the Quarter Master General
No. 3167 A dy September, 5, 1888.
Endorsement thereon in the Military department
No. 6006 dy September, 3, 1888.

Three type drawings to be returned. 3

Referred back to the Military department with reference to the following remarks:—

2. The plan and estimate submitted for sanction for an Armourer's shop for a regiment of Native Infantry at Lucknow has been prepared on the design approved and issued with Circular No. 51 of 1874 for — British Infantry but this has been superseded by a design recently received

from the Government of India and circulated with G.O. No. 1997 W dated 4th July 1888.

3. There is however a separate design dated 27th July 1875 for an Armourer's shop for Native Infantry and it is requested that this department may be informed regarding the design which should be followed in constructing Armourer's shop for regiments of Native Infantry.

I have &c.

Colonel R.E.
Secretary to Government,
P.W. Department.

To,

The Secretary to Government,
Military department

SUPERINTENDING ENGINEER'S OFFICE
NO. 2/430M
21 SEP 88
P. W. D.
FOURTH CIRCLE

Former papers.

P.G. 6315 d 4. VIII. 88

MILITARY (1888) DEPARTMENT.

No. 6709

From

THE P.W. Deptt:

SUPG: ENGINEER'S OFFICE
NO.
21 SEP. 88
P. W. D.
FOURTH CIRCLE

No. 646-D

Pg Ex 2 10610/88

Dated 11. 9. 88

Recd. 12. 9-88.

Registered

ENCLOSURES.

P. G., No. , dated

Relative to the construction of an armourers shop for the N. I. Regt at Quilon

No.

Register

Register 6515

Former papers.

MILITARY (1888) DEPARTMENT

No. 6214

SUPG: ENGINEER'S OFFICE
NO. 1430M
21 SEP. 88
P. W. D.
FOURTH CIRCLE

GOVERNMENT OF MADRAS,

Military Department,

13 Septr 1888.

To The Quarter Mr General.

Referred for favor of early report.

with advertence to P'G/c.
5315 dated 4 Augt/88

(By Order.)

Brigdr.-General,

Secretary to Govt., Mily. Dept.

N.B.—Reply *may* be endorsed on this docket.

REQUESTED TO BE
RETURNED WITH REPLY

Form No. 20 A. / 7 B.

QUARTER MASTER GENERAL'S OFFICE,

Ootacamund,

10th October 1888.

No. 3775 t.

From

BRIGADIER-GENERAL M. PROTHEROE, C.B., C.S.I.,

QUARTER MASTER GENERAL,

To

THE SECRETARY TO GOVERNMENT,

MILITARY DEPARTMENT.

SIR,

In returning the papers received under Reference O.G. No. 6214 of 13th Ultmo, I am desired to state that it has been ascertained that the plan and Estimate for an armourers' shop for Native Infantry at Quilon were prepared by the Executive Engineer West Coast Division, on the standard design for a British Infantry Regiment as that for Native Infantry was not among the records in his office.

2. He has now obtained the standard design for the latter in view to the preparation of a revised plan and

Estimate

Estimate in accordance therewith
which should be substituted
for those before submitted.

I have the honor to be,
Sir,
Your obedt. Servants,

M. Perkins Brigr Genl
Quarter Master Genl

Military (1888) Department.

Govt of (1888) Madras.

PUBLIC WORKS.

Dated 3/12/88

Rcvd. Encl.

G.O., 29 Nov 1888, No. 3772 3773

Armourer's shop for the Native Infantry at Cuddalore.

Ref. for ——, sanctioned with remarks

Armourer's shop for the Native Infantry at Cuddalore

Forwards copy of P.W. Secretary's letter — and enquiring whether the ruling in force 1140 of the Madras P.W. code is applicable to public buildings connected with native levies or only to

actual building of native troops.

Military (1888) Department.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

Read—the following paper:—

From Brigadier-General M. PROTHEROE, C.B., C.S.I., Quartermaster-General, to the Secretary to Government, Military Department, dated Ootacamund, 29th October 1888, No. 4133 A.

In continuation of this office No. 3775 A of 10th instant, I have the honor, by order, to forward, for sanction and transfer to the Public Works Department for disposal, the estimate, plan, &c., below-mentioned, which have been approved by the Commander-in-Chief. The plan and estimate have been countersigned:—

Estimate, amounting to Rs. 3,040, for constructing an Armourer's shop for Native Infantry at Quilon, with report, specification and site-plan.

2. The standard design for an Armourer's shop for Native Infantry, received with Reference O.G. No. 6214 of 13th ultimo, is herewith returned.

No. 7353, Military.

Approved and transferred to the Public Works Department for disposal.

(By order.)

Fort St. George,
6th November 1888.

(Signed) A. KENNEY-HERBERT, Brigdr.-Genl.,
Secretary to Government.

Note by the Chief Engineer, Public Works Department.

The estimate of Rs. 3,040 for constructing an Armourer's shop for Native Infantry at Quilon has been reduced to Rs. 2,489 by the omission of the charges for "Establishment," and is recommended for sanction.

26th November 1888.

(Signed) H. R. MEAD, Colonel, R.E.,
Ag. Chief Engineer, P.W.D.

Order—dated 29th November 1888, No. 3772 W., Public Works.

The estimate, amounting to Rs. 2,489, for constructing an Armourer's shop for the Native Infantry at Quilon, is sanctioned.

2. The attention of the Superintending Engineer is drawn to the note by Chief Engineer above recorded. The duty of apportioning the charges for "Establishment" and "Tools and Plant" devolves on the office of the Examiner, Public Works Accounts (*vide* para. 1843 of the Public Works Code), and such charges should not be included in estimates for works.

3. This sanction has been registered as Imperial No. 49 W. of 1888-89 and classified as Military, Original Works.

4. Ordered that the following letter be addressed to the Government of India :—

(Here enter No. 3773 W., dated 29th November 1888.)

(True Extract.)

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

To the Superintending Engineer, IV Circle, with four enclosures.
" Examiner, Public Works Accounts, with the estimate for note and return to Superintending Engineer, IV Circle.
" Military Department.

Exd. S. J. Pereira.
Spare Copies

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1888} Madras.

PUBLIC WORKS.

Dated November, 29th.

Recd. *Encl.*

G.O., 29th Nov. 1888, No. 3772 W.

NOVEMBER.

Armourer's Shop for the Native Infantry at Quilon

Estimate for —, sanctioned with remarks.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

LETTER—from

COLONEL H. R. MEAD, R.E.,

Ag. Secretary to the Government of Madras,

Public Works Department,

To

THE SECRETARY TO THE GOVERNMENT OF INDIA,

MILITARY DEPARTMENT.

SIR,

In forwarding a copy of the Proceedings of this Government, No. 3772 W., dated 29th November 1888, sanctioning an estimate for constructing an Armourer's shop for the Native Infantry Regiment at Quilon, I am directed to inquire whether the ruling in para. 1140 of the Madras Public Works Code is applicable to public buildings connected with Native lines, or only to the actual hutting of Native troops.

2. It has hitherto been considered that the rule does not apply to public buildings, such as places of arms, workshops, &c., and estimates for many such buildings have been sanctioned by this Government. As, however, from the definition of "accommodation for troops" given at page 80, appendix F, Madras Public Works Code, it seems doubtful whether the procedure adopted by this Government is correct, I am to request the orders of the Government of India on the subject.

I have the honor to be,
Sir,
Your most obedient servant,

Colonel, R.E.,
Ag. Secy. to Govt., P.W.D.

FORT ST. GEORGE,
29th November 1888.

Exd. S. J. Pereira.
Spare Copies

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1888} Madras.

PUBLIC WORKS.

Dated November, 29th.

Read. *Encl.*

29th Nov. 1888, No. 3773 W.

NOVEMBER.

Armourer's Shop for the Native Infantry at Quilon

Forwarding copy of Proceedings sanctioning estimate for — and inquiring whether the ruling in para. 1140 of the Madras Public Works Code is applicable to public buildings connected with Native lines or only to the actual hutting of Native troops.

Barracks and Buildings.
Estimates.

QUARTER MASTER GENERAL'S OFFICE,
Ootacamund, 29th October 1888.

No. 4133. A

From

BRIGADIER-GENERAL M. PROTHEROE, C.B., C.S.I.
QUARTER MASTER GENERAL,

To

THE SECRETARY TO GOVERNMENT,
MILITARY DEPARTMENT.

SIR, In continuation of this Office No. 3775 A of 10th instant,
I have the honor, by order, to forward for sanction and transfer to the Public Works Department for disposal, the estimate, plan, &c., below-mentioned which have been approved by the Commander-in-Chief. The plan and estimate have been countersigned.

Vide Slip attached

Estimate amounting to Rs. 3040/- for constructing an armourer's shop for N. I. at Quilon, with Report 5/specification and site plan.

2. The Standard design for an armourer's shop for N. I. received with Reference G.G. No. 6214 of 13th ultimo, is herewith returned.

I have the honor to be,
Sir
Your obedt. Servant,

M. Protheroe
Brigr. Genl
Quarter Master Genl

N.B. 5. s.c. required.

29.4.8.1888 nos: 79-80 R

MILITARY (1888.) DEPARTMENT.

Mscl. 11395

No. 7928

From

THE QUARTER MASTER GENERAL,

OOTACAMUND,

To

THE SECRETARY TO GOVERNMENT,

MILITARY DEPARTMENT.

Dated 29th October
Received 1st November

Forwards for sanction and transfer to the Public Works Department for disposal, plan and estimate for constg an Armourers shop for N. I at Quilon —

8 Enclosures (Plans)

2P

No. 7353. Approved and transferred to the Public Works Department for disposal.

(By order)

Alexander Herbert. Bt Col
Secy to Government.

SECRETARY TO GOVERNMENT, P.W. DEPARTMENT, MADRAS. -7 NOV.

Fort Saint George
6th November 1888

P.W. Department

3P

Note by the Chief Engineer P.W. Dept

The estimate of Rs 3,040 for constructing an armourer's shop for Native Infantry at Quilon, has been reduced to Rs 2489 by the omission of the charges for Establishment, and is recommended for sanction.

E.W. 26/11/88

WMS 26.11.88

G.O. 149 W dt/17.1.84.
" 1397 W dt/4.6.84.
" 26285 dt/27.10.84.
" 2952 W dt/29.11.84.
" 3149 W dt/22.12.84.
" 334 W dt/8.2.86.
" 1302 W dt/25.5.86

Public Works Department.

C.A.W. 5772 W 1395 dt/27.11.86

According to the rules of the P.W. Code, the estimate will have to be sanctioned by the Govt. of India. The estimate has been classified by the S.E. under "Accommodation for Troops" and will therefore fall under "Buildings for Native Troops."

Accommodation for troops comprises the following:-

Barracks & out offices for single men

Barracks & out offices for married men

Hospital Accommodation

Auxiliary Accommodation

and store rooms and workshops are included under Auxiliary accommodation. Please see appendix to the P.W. Code Page 80.

The accompanying estimate will therefore fall under "Accommodation for Native troops" and as such require the sanction of the Govt. of India vide para 1140 of the P.W. Code.

This ruling has been embodie

only in the latest edition of the Code dated 1886, but had no place in the edition of 1882. I now find from reference that this rule was introduced according to Standing Order No: 159 of 1883.

I find several estimates for such accommodation have been sanctioned by the Local Govt in 1884 and one in 1886.

(if you approve)

The Examiner may be asked by an office note to state whether the estimate will require the sanction of the Govt. of India

Maj 23/11

Dir.

It has hitherto been considered that authorised public buildings (for instance buildings erected by Civil officers at Stations where there is a Cantonment Code) and that Code para 750 applies to hutting or lines for troops. Nos 2 & 3 have hitherto never been questioned our action — if there be any doubt in the matter it would be well to refer the point to the Govt. of India. There would not be much use in obtaining Civil opinion as he cannot give us an authoritative interpretation of the rule; the Govt would probably advise this office to write to Govt of India.

Sanction & refer the point to the Govt of India. CW 23.11.88 23.11.88

Public Works Department.

Current No. 11395

Letter No. 7353

Dated 6th November 1888.

From the Secy. to Govt. Milty. Depts.

Note by E.W.

The Estimate of Rs 3040 for constructing an Armourer's Shop for N. I. at Quilon, has been reduced to Rs 2489 by the omission of the charges for establishment, & is recommended for sanction.

EW

In the C.D. it will be necessary to call the attention of the Sec. to the manner in which the Tools was framed; the Estimate should have added 23 per cent to the Estimate on account of establishment; and in any case the Minutes should have been rectified by the Supt P.S. Govt.

Sanction cannot be sanctioned by the Local Govt Please see para 740 of the P.W. Code Secy

Note by E.W. on back 13.11.88

NOTE OF REMARKS.

The Estimate under review provides for Constructing an Armourers Shop for Native Infantry at Quilon -

The amount of this Estimate is Rs 2,489 if Establt and Tools & Plant Charges are added the amount of this Estimate will be increased to Rs 3,098

The Establt Charges at 23 per cent come to Rs 572

The Tools & Plant Charges, which are omitted in the Estimate, come to Rs 37- each

The Work & plant charges are worked in pencil in the Est: for approval.

The plan & Est are now in order and the Standard design for an Armourer Shop for native Infantry, Corrected vide No 47 d/27 th July/75 has been followed instead of the design for British Infantry which was formerly adopted.

As far as can be checked the rates are fair.

The Centage of the roof timbers are correct

Contingencies are charged for at 5%

The plan & Est: have been Countersigned by the Dy Ins General and approved by S of S: in the Mily: Dept.

3.11.88 23.11.88

B & C
Mily Works

No. 3772W. PUBLIC WORKS DEPARTMENT.

4P

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the Nov. 29, 1888.

READ the following

From the Quarter Master General &c. No. 4133 A d/29th October 1888.

Endorsement by the Military Dept - - 7353 d/ 6th Nov/88

Note by the Chief Engineer P.W.D - - - d/

"The estimate amounting to Rs 2,489, for constructing an armourer's shop for the Native Infantry at Quilon, is sanctioned.

2. The attention of the Superintending Engineer is drawn to the note by Chief Engineer above recorded. The duty of apportioning the charges for "Establishment" and "Tools and Plant" devolves on the office of the Examiner P. W. Accounts, vide para 1843 of the P. W. Code and such

such charges should not be included in estimates for works. ~~In any case the mistake should, in the present case, have been rectified by the Suptg. Engineer.~~

3. This sanction has been registered as Imperial No. 49 W of 1888-89 and classified as Military Original Works.

4. Ordered that the following letter be addressed to the Government of India.

WW 30.11.88

(A. C. No. 3773 W dt/29.XI.88)

To
The Secretary to the
Govt. of India
Military Dept.

Sir.

In forwarding a copy

To
The Suptg Engineer IV Circle with 3 encls.
Examiner P.W. Account "
Military Department "

D. 15/12

2

copy of the Proceedings of this Government No. 3772 dt/29.11.88 sanctioning an estimate for constructing an armourer's shop for the native Infantry regiment at Quilon, I am directed to inquire whether the ruling in para 1140 of the Madras P.W. Code is applicable to public buildings connected with native lines, or only to the actual hutting of native troops.

2. It has hitherto been considered that the rule does not apply to public buildings such as places of arms, workshops &c., and estimates for many such buildings have

have been sanctioned by this government. As however from the definition of "accommodation for troops" given at page 80, appendix I Madras P. W. Code, it seems doubtful whether the procedure adopted by this Government is correct, I am to request the orders of the Government of India on the subject.

WCB
26.11.88

26/11/88

Dated
15/12

CU H.W. 29.XI.88
A 29.XI.88

2

Govt. of {1888} Madras.

PUBLIC WORKS.

Dated 3/12/88

Recd. Encl.

G.O., 29 Nov 1888, No. 3772 / 3773

Armourer's shop for the Native Infantry at Quilon.

Ref. for ——, sanctioned with remarks

Armourer's shop for the Native Infantry at Quilon

Forward copy of P.W. Sanity Estpt — and enquiring whether the ruling in force 1140 of the Madras P.W. code is applicable to public buildings connected with native lines or only to

actual hutting of native troops.

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1886} Madras.

PUBLIC WORKS.

Dated May, 25th.

Recd. *Encl.*

G.O., 25th May 1886, No. 1302 W.

MAY.

Public Buildings for a Native Cavalry Regiment at Bangalore

Revised estimate of Rs. 30,990 for constructing —, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

READ—the following letter from Colonel E. FAUNCE, Officiating Quartermaster-General, to the Secretary to Government, Military Department, dated Ootacamund, 29th April 1886, No. 1662 A. :—

I have the honor, by order, to forward, for sanction and transfer to the Public Works Department for disposal, revised estimates, plans, &c., below mentioned which have been approved by the Commander-in-Chief. The plans and estimates have been countersigned :—

Abstract and detailed estimates, amounting to Rs. 30,990, for constructing the following buildings required for a regiment of Madras Cavalry at Bangalore, with four plans, report and specification :—

	Rs.
Place-of-arms and armourers' shop	9,370
Horse infirmary	6,560
Guard-room and cells	4,090
School-room	1,780
Forage yard	2,675
Road and culverts	1,865
Drains	3,525
Planting trees and levelling ground	1,125
Total ...	30,990

No. 2617, Military.

Approved and transferred to the Public Works Department for disposal.

(By Order.)

OOTACAMUND,
30th April 1886.

(Signed) A. R. KENNEY-HERBERT, Lieut.-Col.,
Secretary to Government.

ORDER—dated 25th May 1886, No. 1302 W., Public Works.

The revised estimate, amounting to Rs. 30,990, for constructing public buildings for a regiment of Native Cavalry at Bangalore, is sanctioned in supersession of the estimate of Rs. 23,490 sanctioned in G.O., No. 1552 W., dated 20th June 1884.

2. The revision of the estimate is due chiefly to the sanctioned increase in the strength of a Native Cavalry regiment, and to change of site and other trifling alterations which are detailed in the report.

3. This sanction has been registered as Imperial, Ordinary No. 6 W., of 1886-87, and classified as Military, Original Works.

4. Ordered that a copy of these proceedings be forwarded to the Government of India, Military Department, for information, with advertence to their letter No. 528 M.W., dated 30th May 1884.

(Here enter No. 1303 W., dated 25th May 1886.)

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, V Circle, with eleven enclosures.
" Examiner, Public Works Accounts, with the general abstract estimate.
" Military Department.

Exd. P. L. Pereira.
Spare Copies

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1886} Madras.

PUBLIC WORKS.

Dated February, 8th.

Recd. *Encl.*

G.O., 8th Feb. 1886, No. 334 W.

FEBRUARY.

Powder Magazine for Native Infantry Regiment at Pallavaram

Estimate for —, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

Read—the following papers:—

From Major D. J. S. McLEOD, Deputy Quartermaster-General, to the Secretary to Government, Military Department, dated Ootacamund, 6th January 1886, No. 40 A.

I have the honor, by order, to forward, for sanction and transfer to the Public Works Department for disposal, the estimate, &c., below mentioned, which have been approved by the Commander-in-Chief. The estimate has been countersigned:—

Estimate, amounting to Rs. 4,896, with report and specification, for constructing an enclosure wall and a powder magazine for the Madras infantry regiment at Pallávaram.

No. 184, Military.

Approved and transferred to the Public Works Department for disposal.

(By Order.)

Fort St. George,
8th January 1886.

(Signed) A. R. KENNEY-HERBERT, Lieut.-Col.,
Secretary to Government.

From Colonel H. L. PRENDERGAST, R.E., Superintending Engineer, V Circle, to the Chief Engineer, Public Works Department, dated Chepâk, 3rd February 1886, No. 4538.

With reference to your endorsement, No. 233 C., dated 19th January 1886, I have the honor to return, with my countersignature, the estimate of Rs. 4,900 for constructing a powder magazine with enclosure wall for a regiment of native infantry at Pallávaram.

Order—dated 8th February 1886, No. 334 W., Public Works.

The estimate, amounting to Rs. 4,900, for constructing a powder magazine for a regiment of native infantry at Pallávaram, is sanctioned for execution when funds are available.

2. This sanction has been registered as Imperial, Ordinary, No. 63 W. of 1885-86, and classified as Military, Original Works.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

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

Exd. P. L. Pereira.

Spare Copies

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated December, 22nd.

Recd. *Encl.*

G.O., 22nd Dec. 1884, No. 3149 W.

DECEMBER.

Armourer's Shop for the Native Infantry Regiment at Pallavaram

Estimate for constructing an —, sanctioned.

22nd December 1884, No. 3149 W., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

Read—the following letter from Major A. G. HUTCHINS, Officiating Deputy Quartermaster-General, to the Secretary to Government, Military Department, dated Ootacamund, 9th December 1884, No. 2373 A.:—

I have the honor, by order, to forward, for sanction and transfer to the Public Works Department for disposal, the estimate, &c., below mentioned which have been approved by the Commander-in-Chief. The estimate has been countersigned:—

I. Detailed and abstract estimate, amounting to Rs. 2,880, for constructing an armourer's shop for the regiment of Madras Infantry at Pallávaram.
II. Report and specification.

No. 6182, Military.

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

(By Order.)

Fort St. George,
12th December 1884.

(Signed) A. R. KENNEY-HERBERT, Lieut.-Col.,
Offg. Secy. to Govt., Mily. Dept.

Order—dated 22nd December 1884, No. 3149 W., Public Works.

The estimate, amounting to Rs. 2,880, for constructing an armourer's shop for the Native Infantry Regiment at Pallávaram, is sanctioned for execution when funds are available.

2. This sanction has been registered as Imperial Ordinary No. 57 W. of 1884-85 and classified as Military, Original Works.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, , R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, V Circle, with two enclosures.
„ Examiner, Public Works Accounts, with duplicate abstract estimate.
„ Military Department.

Exd. A. Grubert.
Spare Copies

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated October, 27th.

Recd. *Encl.*

G.O., 27th Oct. 1884, No. 2628 W.

OCTOBER.

Store Shed

Estimate for a — for the 16th Regiment, Madras Native Infantry, at Vizianagrum, in the Vizagapatam district, sanctioned.

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated June, 4th.

Recd. *Encl.*

G.O., 4th June 1884, No. 1397 W.

JUNE.

Native Infantry Lines at Rayapuram

Estimate of Rs. 4,300 *for providing means for flushing with Seven Wells water the drains of the* —, sanctioned.

27TH OCTOBER 1884, No. 2628 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

READ—the following letter from Brigadier-General R. C. STEWART, Quartermaster-General, to the Secretary to Government, Military Department, dated Ootacamund, 6th October 1884, No. 1527-A. :—

I have the honor, by order, to forward, for sanction and transfer to the Public Works Department for disposal, the estimate, plan, &c., below-mentioned which have been approved by the Commander-in-Chief. The plan and estimate have been countersigned.

I. Detailed and abstract estimate, amounting to Rs. 3,480, for constructing a store-room at Vizianagrum for the 16th Regiment, Native Infantry (No. 33 in Schedule of Military Works printed with Proceedings of Madras Government, No. 6131 of 13th November 1883.)

II. Plan with specification and report.

No. 4978, Military.

Approved and transferred to the Public Works Department for disposal.

(By Order.)

OOTACAMUND, 7th October 1884. (Signed) A. R. KENNEY-HERBERT, Lieut.-Colonel, Offg. Secretary to Government.

ORDER—dated 27th October 1884, No. 2628 W., Public Works.

The estimate, amounting to Rs. 3,480, for constructing a store shed for the 16th Regiment, Madras Native Infantry, at Vizianagrum, in the Vizagapatam district, is sanctioned for execution when funds are available.

2. This sanction has been registered as Imperial Ordinary No. 41 W. of 1884-85, and classified as Military, Original Works.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E., Secretary to Govt., P.W.D.

To the Superintending Engineer, I Circle, with four enclosures.
„ Examiner, Public Works Accounts, with duplicate abstract estimate.
„ Military Department.

Exd. A. Aubert.
Spare Copies

4th June 1884, No. 1397 W., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

Read—the following papers :—

From Brigadier-General R. C. STEWART, Quartermaster-General, to the Secretary to Government, Military Department, dated Ootacamund, 9th May 1884, No. 60 A.

With reference to G.O., No. 802, dated 19th February 1884, I have the honor, by order, to forward, for sanction and transfer to the Public Works Department for disposal, the estimate, plan, &c., below-mentioned, which have been approved by the Commander-in-Chief. The plan and estimate have been countersigned :—

Amounting to Rs. 4,300, for flushing the drains of the Ráyapuram lines with Seven Wells water.

No. 2221, Military.

Approved and transferred to the Public Works Department.
(By Order.)

Ootacamund, 10th May 1884.

(Signed) A. KENNEY-HERBERT, Lieut.-Col.,
Offg. Secretary to Government.

From Colonel W. H. BURTON, R.E., Officiating Superintending Engineer, V Circle, to the Chief Engineer, Public Works Department, dated Chepâk, 27th May 1884, No. 775.

1 Plan.
1 Detailed estimate.
2 Abstract estimates.
1 Report and specification.
1 Original endorsement by the Military Department, No. 2221, dated 10th May 1884, returned.

With reference to your memorandum, No. 939 A, dated 17th instant, I have the honor to return countersigned the plan and estimate of Rs. 4,300 for work necessary for flushing the drains of the Native Infantry lines at Ráyapuram with Seven Wells water.

Order—dated 4th June 1884, No. 1397 W., Public Works.

The estimate, amounting to Rs. 4,300, for providing means for flushing with Seven Wells water the drains of the Native Infantry lines at Ráyapuram, is sanctioned for execution when funds are available.

2. This sanction has been registered as Imperial Ordinary No. 56 W. of 1884-85 and classified as Military, Original Works.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, V Circle, with four enclosures.
„ Examiner, Public Works Accounts, with duplicate abstract estimate.
„ Military Department.
Exd. C. Howarth.
Spare Copies

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated January, 17th.

Recd. *Encl.*

G.O., 17th Jan. 1884, No. 149 W.

JANUARY.

School-house at Bellary

Estimate, amounting to Rs. 3,030, for constructing a — for a native infantry regiment, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

READ—the following papers:—

From Major S. C. CLARKE, R.E., Officiating Superintending Engineer, III Circle, to the Chief Engineer, Public Works Department, dated Bellary, 11th December 1883, No. 2576:—

I have the honor to submit, for sanction of Government, a plan and estimate, amounting to Rs. 3,030, for constructing a school-house at Bellary, for the 27th regiment, native infantry, after the design sanctioned in G.O., No. 50, dated 6th January 1875, with certain modifications.

2. The work is entered in the list of minor new works, which accompanied G.O., No. 3002 W., dated 24th October 1883, and is recommended for execution during the coming official year.

No. 2542 C., Public Works.

Submitted for the orders of Government in the Military Department.

2. The plan and estimate are based on a standard design which was cancelled by Proceedings of Government, No. 1241, Public Works, dated 10th April 1877; and it is observed that the dimensions proposed for the building at Bellary differ from those recently adopted* for the one at Berhampore, both being schools for native infantry regiments.

* Proceedings of Government, No. 1768 W., dated 23rd June 1883.
Proceedings of Government, No. 1865 W., dated 4th July 1883.
Proceedings of Government, No. 3536 W., dated 10th December 1883.

(By Order.)

(Signed) C. BOWEN, Major, R.E.,
~~Under Secy. to Govt.~~, P.W.D.
Dy. Chief Engr.

CHEPAK,
18th December 1883.

To the Military Department
(with papers in original to be returned).

No. 163, Military.

Transferred to the Public Works Department, and the referred papers returned. The plan and estimate are approved.

(By Order.)

(Signed) A. KENNEY-HERBERT, Lieut.-Colonel,
Offg. Secretary to Government.

FORT ST. GEORGE,
14th January, 1884.

From Brigadier-General R. C. STEWART, Quartermaster-General, to the Secretary to Government, Military Department, dated Head Quarters Camp, Camp of Exercise, 13th January 1884, No. 576.

In returning, as requested, the papers received under Military Department, No. 6868, dated 21st December 1883, I have the honor, by order, to state, for the information of Government, that the school-house it is proposed to erect at Berhampore is for the head-quarters and wing only of a native infantry regiment, while that at Bellary, for which a plan and estimate have been approved by the Commander-in-Chief, is for a full regiment, and therefore a larger one is wanted there.

2. Originally a school-house for 100 pupils was found sufficient for a full native infantry regiment, but experience has shown that it is necessary in a full regiment to provide accommodation for a larger number of scholars.

ORDER—dated 17th January 1884, No. 149 W., Public Works.

The estimate, amounting to Rs. 3,030, for constructing a school-house at Bellary, for a native infantry regiment, is sanctioned for execution when funds are available.

2. This sanction has been registered as Imperial Ordinary No. 58 W. of 1883-84, and classfied as Military Original Works.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, III Circle, with 2 enclosures.
" Examiner, Public Works Accounts, with duplicate estimate.
" Military Department.

Exd. E. Fernandez.
Spare Copies

Separate design d/27/7/88
for an armoured ship
for Native Infantry
and it is requested
that this Department
may be informed
regarding the design
which should be
followed in Construction
Armoured Ships for
Regiments of Native
Infantry -

Bombay
8.9.88

No. 646 Dated 11th September 1888

Sold
10/9/88

No. 1927 dt 4.7.88
= 2624-25 dt. 6.10.88

8/9/88

To The Secretary to Government
Marine Department

6. Dupl 12/88 88-5-8-9

C. No 8920

Circulated with No 47
of 27/7/85 which
is for an Armourers
Shop for Native
Infantry -

Please say whether
the Estimate is to
be returned to S.E.
to be prepared
in accordance
with the latter
design as it would
be a waste of time
to check the Est:
if it has to go back
for revision & Duncan
Mr Plans & Estimates
have not been Consti-
dered by Mr S.E.
although they have
apparently passed
through his Office
as they bear his Office
Stamp.

The New designs
are put up for
your inspection

Cmg
7/9/85.

C. 4° 8920

For Orders

The question must be referred to the Mily. Department

Dep: W.

dcm 5.9.88

The Supdg Engr. IV Circle submits for sanction thro' the Mily. Secrett. the accompanying Est for an Armourers Shop for Native Infantry at Quilon -

It is stated that the plan was prepared in accordance with the designs circulated with No 51 of 1874 which is for an armourers shop for British Infantry, but this is a more recent design for British Infantry.

The design which appears to be the one that should have been followed is that

Enclosures
3 Type drawings
(Not returned)

C. 4° 8920

No: 646 D. of 9th September 1888

Endorsement No 646 D

Respectfully returned to the Military Department with reference to the following remarks

2 The plan and Estimate submitted for sanction for an armourers shop for a Regiment of Native Infantry at Quilon has been prepared on the design approved and issued with Circular No 51 of 1874 for British Infantry but this has been superseded by a design recently issued from the Govt. of India and Circulated with G.O. No 1997 W of 4th July 1888 -

3 This is known as

Separate design dy 27/7/75
for an armoured Ship
for Native Infantry

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1888} Madras.

PUBLIC WORKS.

Dated July, 4th.

Recd. *Encl.*

G.O., 4th July 1888, No. 1997 W.

JULY.

Type-plans

Letter from the Inspector-General of Military Works, forwarding copies of certain —, communicated to Superintending Engineers and to the Military Department.

4th July 1888, No. 1997 W., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

Read—the following letter from the Inspector-General of Military Works, to the Secretary to the Government of Madras, Public Works Department, dated Simla, 23rd May 1888, No. 1371 B. :—

I have the honor to forward 60 copies of each of the following type-plans :—

			No. of sheets.
		British Infantry Series.	
No.	6 F.	Details of half company barrack	1
„	17	Sergeant-Major's quarters	1
„	18 A. }	Staff Sergeants' quarters	2
„	18 B. }		
„	41 A. }	Armourer's shop	3
„	41 B. }		
„	41 C. }		
„	44	Canteen	1
„	64 A. }	Quarter-guard, lock-up, and cells	4
„	64 B. }		
„	64 C. }		
„	64 D. }		
„	67	Library and reading-room	1
„	68	Store-room	1
„	69	Regimental workshop	1
„	138	Lavatory	1
		Royal Artillery Series.	
„	54	Quartermaster's stores for a mountain battery	1
		Hospital Series.	
			1
„	6	Ambulance shed	1
„	10	Cook-house	1
„	13	Subsidiary buildings for medical subordinates' quarters ..	1
		Total No. of sheets ...	20

2. The sheets marked so * are reprints and revisions of original sheets bearing the same numbers, with the exception of sheet 64 D, which is a reprint and revision of old sheet 64 C. The new sheet 64 C, now sent, is a new plan.

Order—dated 4th July 1888, No. 1997 W., Public Works.

Communicated to Superintending Engineers and to the Military Department.

(True Extract.)

(Signed) J. O. HASTED, Colonel, R.E.,
Secretary to Govt., P.W.D.

To Superintending Engineers, } with copies of plans.
To the Military Department, }

Exd. F. R. Bantleman.

Spare Copies

GENERAL.
ACCOUNT.

Govt. of {1887} Madras.

PUBLIC WORKS.

Dated October, 6th.

Recd. *Encl.*

G.O., 6th Oct. 1887, Nos. 2624, 2625 W.

OCTOBER.

Military Works

The schedules of requirements on account of — in the Madras Presidency for 1888-89, forwarded to the Government of India with remarks.

Class C.

Works of less urgency not yet commenced, for which also grants are required.

Command.	Station.	Item No.	Work.	Cost.
				Rs.
Bangalore Division.	Bangalore ...	1	Quarters for schoolmaster and schoolmistress, Royal Artillery	10,240
	Do. ...	2	Quarters for a Conductor, Transport Department.	5,800
	Do. ...	3	12th Lancers.—New orderly room or conversion of Quartermaster's stores into orderly room and stores	6,500
	Do. ...	4	Transport Department.—Quarters for an Ambulance Sergeant near Cattle lines	3,000
	Do. ...	5	Battery office for Royal Horse Artillery ...	3,700
	Do. ...	6	Buildings for Wheelers' shop, Royal Horse Artillery	3,100
	Do. ...	7	Drainage of Royal Horse Artillery grass-cutters' lines at Ulsoor and preventing the fouling of the adjacent nullah	2,846
	Do. ...	8	Drainage, British Infantry Barracks	8,000
	Do. ...	9	Quarters for Senior Apothecary, North Station Hospital	5,300
	Do. ...	10	Quarters for Assistant Apothecary, North Station Hospital	4,773
Southern District.	Wellington ...	11	2nd Royal Fusiliers' gymnasium	10,000
	Mallápuram ...	12	Converting Mallápuram into a fortified station ...	5,000
	Do. ...	13	Constructing a cattle-shed for the Commissariat Department	4,000
	Ootacamund...	14	Water-supply, Lawrence Asylum	7,000
Ceded Districts.	Bellary ...	15	Infectious-disease ward and cook-house, station hospital	6,140
	Do. ...	16	Alterations and additions to military prison and adjoining building	11,260
	Do. ...	17	Swimming bath for British Infantry	7,644
	Do. ...	18	Quarters for Bandmaster, British Infantry Regiment	3,520
	Do. ...	19	Quarters for schoolmaster, British Infantry Regiment	2,950
	Do. ...	20	Quarters for schoolmistress, British Infantry Regiment	2,950
	Do. ...	21	Armourers' shop for the Arsenal	4,650
	Do. ...	22	Converting the old Regimental Hospital now used as a Government school into quarters for nine Warrant Officers, Ordnance Department.	20,380
Eastern District.	Fort St. George.	23	Repairs to floors of B, C and D blocks, family quarters	10,070
	Do. ...	24	Demolition of Wallajah ravelin and two lunettes	7,426
	Do. ...	25	Constructing a draw-bridge at north gate ...	2,680
	Madras ...	26	Lines for transport attendants	48,000
	Do. ...	27	Workshops and sheds for carts and doolies, &c., Transport Department	40,680
	Do. ...	28	Extra accommodation as store-rooms in the Gun Carriage Factory	6,000
	Do. ...	29	Quarters for a Conductor, Commissariat Department	4,000
	Do. ...	30	Quarters for station butcher at Guindy attached to slaughter-house	4,740
	Do. ...	31	Constructing coach-houses and stables for the use of officers in Fort St. George	15,770

Works of less urgency not yet commenced, for which also grants are required—*cont.*

Command.	Station.	Item No.	Work.	Cost.
				RS.
Eastern District—*cont.*	Madras ...	32	Flushing drains of Native Infantry lines at Ráyapuram	4,300
	Saint Thomas' Mount.	33	A wheeler and collar makers' shop for the west barracks	5,660
	Do. ...	34	Sergeants' mess for east barracks	6,000
	Do. ...	35	Quarters for three medical subordinates attached to the station hospital	8,000
	Do. ...	36	Quarters for the head-quarters staff, Royal Artillery	12,000
	Do. ...	37	General improvements to the drains of the cantonments	10,000
	Do. ...	38	Battery office for P/1st Royal Artillery, east barracks	5,000
	Do. ...	39	Raising roof of harness-room, Troop lines ...	4,200
	Do. ...	40	Wooden-shed at the proof range	2,820
	Do. ...	41	Converting the disused gun-shed between the north barracks and main guard into a coffee-shop, recreation-room and library	2,520
	Pallávaram ...	42	One mortuary room for each of the three hospitals, Nos. 1 to 3	3,000
	Do. ...	43	Magazine for Madras Infantry Regiment on standard plan	4,500
	Do. ...	44	Armourers' shop for Madras Infantry Regiment.	2,880
	Poonamallee ..	45	Warrant Officers' quarters	3,500
	Do. ...	46	Two Staff Sergeants' quarters, first class ...	6,000
	Do. ...	47	Coffee-shop	9,000
	Vizianagrum...	48	Regimental store-room for Native Infantry including storage for camp equipage	3,480
	Madras ...	49	Constructing a wheat godown at Teynampet ...	5,950
	Do. ...	50	Providing sun-shades to all exposed doors and windows in the Ordnance Lines	4,160
Belgaum District.	Mangalore ...	51	Providing drains for the lines of the Native Infantry	11,710
			Total ...	3,92,799

OOTACAMUND,
8th September 1887.

(Signed) E. FAUNCE, Brigadier-General,
Quartermaster-General.

Office note from the Examiner of Public Works Accounts, dated Madras, 16th September 1887, No. 545.

ORDER—dated 6th October 1887, No. 2624 W., Public Works.

Ordered that the schedule of requirements, under Imperial Military, for 1888-89, be forwarded to the Government of India in the Military Department.

2. With reference to paragraph 4 of G.O., No. 2077 W., dated 4th August 1887, a sum of Rs. 15,300, being the average of the grants for incomplete major works for the last five years, is entered as a reserve with the Government for distribution when the demands on account of incomplete major works of the current official year are notified.

3. The Superintending Engineers concerned will submit, with the least possible delay, plans and estimates for the unsanctioned works for which funds are applied for in the schedule.

(Here enter No. 2625 W., dated 6th October 1887.)

(True Extract.)

(Signed) J. O. HASTED, Colonel, R.E.,
Secretary to Govt., P.W.D.

To Superintending Engineers.
To the Examiner, Public Works Accounts.
„ Military Department.
„ Financial Department.

LETTER—to the Secretary to the Government of India, Military Department, dated Ootacamund, 6th October 1887, No. 2625 W.

In forwarding herewith the Proceedings of the Government of Madras, No. 2624 W., dated 6th October 1887, with the schedule of demands under Imperial Military for 1888-89, I am directed to solicit the special attention of the Government of India to the Proceedings of this Government forwarded with endorsement No. 2078 W., dated 4th August 1887, and to express a hope that a very liberal grant may be assigned under this service for the reasons already brought to notice.

(Signed) J. O. HASTED, Colonel, R.E.,
Secretary to Govt., P.W.D.

Exd. J. Moses.
Spare Copies

GENERAL.
ACCOUNT.

5. Many works shown in the class C list are certainly as important as those in class B, though the limit necessarily placed on the latter excludes them from it. If therefore the Government of India makes an unusually liberal grant in the coming year, it can be taken full advantage of.

6. In accordance with the precedent of last year, lists D and E of minor works to be removed from and added to the list of that class of works as it stood in 1886-87 are also submitted; after all that has been urged in past years and in recent correspondence regarding the necessity of specially large grants for this class of works, it will be unnecessary now to say anything on the subject to their claims.

CLASS A.

WORKS commenced, for completion of which grants are required.

Command.	Station.	Item No.	Work.	Cost.	Remarks.
				RS.	
Bangalore division.	Bangalore ...	1	Public buildings, Madras Infantry Regiment.—Additions, &c., to—for a Pioneer Regiment.	12,000	
Ceded districts ...	Bellary ...	2	Gun-shed for Royal Artillery.	8,957	
Do. ...	Do. ...	3	Staff Sergeants' quarters, Ordnance Department.	10,000	
Eastern district...	Fort St. George.	4	Magazines	33,000	
Do. ...	Vellore ...	5	Draw-bridge and gate to Fort.	2,867	
Southern district.	Wellington ...	6	Quarters for three Apothecaries.	5,400	

OOTACAMUND,
8th September 1887.

(Signed) E. FAUNCE, Brigdr.-General,
Quartermaster-General.

CLASS B.

WORKS of special urgency not yet commenced, for which funds are absolutely required.

Command.	Station.	Item No.	Work.	Cost.	Remarks.
				RS.	
Bangalore division.	Bangalore ..	1	Public buildings for a Madras Cavalry Regiment.	15,000	Item 6, class B, budget of 1887-88.
Southern district..	Calicut ..	2	A new barrack with subsidiary buildings for 30 men.	20,000	
Eastern district ..	Poonamallee ..	3	Improving old barracks	5,000	Item 31, class C, budget of 1887-88.
Do. ..	Fort St. George.	4	Remodelling drainage	10,000	Item 14, class C, budget of 1887-88.
Do. ..	Do. ..	5	Facing enceinte with Portland cement.	5,000	Item 56, class C, budget of 1887-88.
Do. ..	Madras ..	6	Shed, Camp Equipage Depôt ..	6,935	Item 51, class C, budget of 1887-88.
Southern district..	Calicut ..	7	Transport sheds	3,310	Item 46, class C, budget of 1887-88.
Do. ..	Trichinopoly ..	8	Store-rooms and workshop, &c., for 4th Pioneers.	4,900	Item 43, class C, budget of 1887-88.
Eastern district ..	Madras ..	9	Constructing four latrines, two for males and two for females, Perambûr lines.	3,000	Item 39, class C, budget of 1887-88.
Bangalore division.	Bangalore ..	10	New saddle-room, British Cavalry ..	4,500	
Eastern district ..	Fort St. George.	11	Sundry works in connection with extra accommodation, British Infantry and Royal Artillery.	20,000	

OOTACAMUND,
8th September 1887.

(Signed) E. FAUNCE, Brigdr.-General,
Quartermaster-General.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following paper :—

From Brigadier-General E. FAUNCE, Quartermaster-General, to the Secretary to Government, Public Works Department, dated Ootacamund, 8th September 1887, No. 3176 A.

I have the honor, by order, to forward for submission to Government the schedules* of requirements on military works in connection with the Imperial budget estimate of the Public Works Department for the year 1888-89.

* Major works, classes A, B and C.

2. The major works have been classified in the same way as last year, only those being entered in class A which this office has reason to know will require allotments in the coming year.

3. Of the class A works the following seem to require some remarks :—

I. *Public buildings for a regiment, Madras Infantry, at Bangalore.*—The buildings now in course of erection being designed for an ordinary Madras Infantry Regiment are in many respects inadequate to the wants of a Pioneer Regiment, which will in future permanently occupy the lines in question. Details of the extra requirements for which it is proposed to provide shall be submitted to Government in due course.

II. *Magazines, Fort St. George.*—This work has been entered on the assumption that Government will approve the proposals recently submitted for providing storage space for powder in a portion of the St. Thomé curtain.

4. The only works under class B which have not appeared in lists of previous years and therefore require notice are :—

I. *A new barrack for* 30 *men at Calicut.*—This work is not wanted in connection with the increase of the garrison at that station at one time contemplated, but because recent examination of the existing barracks has shown that they do not contain the proper space for the present garrison.

II. *New saddle-room for British Cavalry, Bangalore.*—This work is essential to provide for the extra saddles which a regiment, British Cavalry, on the increased strength is in possession of.

III. *Works in connection with extra accommodation for troops, Fort St. George.*—Proposals have again been submitted to Government for the provision of the necessary accommodation by the removal out of the Fort of the Military Accounts and Accountant-General's offices; whatever decision may be come to as regards these buildings, certain other suggestions for finding extra space will have to be adopted, and funds for these must be provided.

Appendix to G.O., No. 2624 W., dated 6th October 1887.

BUILDINGS AND ROADS.

SCHEDULE of the probable requirements of the Madras Presidency on account of Military Works for 1888-89.

Head of classification.	Executive Division.	Locality.	Item No.	Projects and works.	Class.	Original Works.					Repairs.	Establishment.	Tools and plant.	Suspense.	Grand Total.	Remarks.
						Major works.			Minor works.	Total.						
						Works in progress.	New works.	Total.								
						Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
(1) Accommodation for Troops—Buildings for European Troops in the Plains—Permanent.	Bellary ..	Bellary ..	1	Gun-shed for Royal Artillery.	A	8,957	..	..	..	..	..	..	..	..	..	Estimate is awaited. Rs. 3,970 were provided in current year (*vide* G.O., No. 1692 W., dated 23rd June 1887).
	Nilgiri ..	Wellington.	2	Quarters for three Apothecaries.	A	5,400	..	..	..	..	..	..	..	..	..	Estimate is under reference. Rs. 16,000 allotted in the current year—*vide* Item No. 2, class B works, budget of 1887-88.
	West Coast.	Calicut ..	3	A new barrack with subsidiary buildings for 30 men.	B	..	20,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 10, class C works, budget of 1887-88.
	Chingleput.	Poonamallee	4	Improving the old barracks.	B	..	5,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 31, class C works, budget of 1887-88.
	Presidency.	Fort St. George.	5	Remodelling the drainage.	B	..	10,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 14, class C works, budget of 1887-88.
	Do. ..	Do. ..	6	Sundry works in connection with extra accommodation, British Infantry and Royal Artillery.	B	..	20,000	..	..	..	..	..	..	..	..	Estimate is awaited.
	Do. ..	Bangalore..	7	New saddle room, British Cavalry.	B	..	4,500	..	..	..	..	..	..	..	..	Do.
	Do. ..	Do. ..	8	Quarters for schoolmaster and schoolmistress, Royal Artillery.	C	..	10,240	..	..	..	..	..	..	..	..	Estimate of Rs. 10,240 was sanctioned in G.O., No. 2384 W., dated 20th September 1886. Item No. 17, class C works, budget of 1887-88.
	Do. ..	Do. ..	9	New orderly room or conversion of Quartermaster's stores into orderly room and stores, 12th Lancers.	C	..	6,500	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 18, class C works, budget of 1887-88.
	Do. ..	Do. ..	10	Battery office for Royal Horse Artillery.	C	..	3,700	..	..	..	..	..	..	..	..	Estimated is awaited.

Schedule of the probable requirements of the Madras Presidency on account of Military Works for 1888-89—*cont.*

Head of classification.	Executive Division.	Locality.	Item No.	Projects and works.	Class.	Original Works.					Repairs.	Establishment.	Tools and plant.	Suspense.	Grand Total.	Remarks.
						Major works.			Minor works.	Total.						
						Works in progress.	New works.	Total.								
						Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
	Presidency.	Bangalore.	11	Buildings for Wheelers' shop, Royal Artillery.	C	..	3,100	..	..	..	..	..	..	..	..	Estimate is awaited.
	Do. ..	Do. ..	12	Drainage of Royal Horse Artillery grass-cutters' lines at Ulsoor and preventing the fouling of the adjacent nullah.	C	..	2,846	..	..	..	..	..	..	..	..	Do.
	Do. ..	Do. ..	13	Drainage, British Infantry barracks.	C	..	8,000	..	..	..	..	..	..	..	..	Do.
	Do. ..	Do. ..	14	Quarters for Senior Apothecary, North Station Hospital.	C	..	5,300	..	..	..	..	..	..	..	..	Estimate of Rs. 5,300 was sanctioned in G.O., No. 3385 W., dated 27th November 1883. Item No. 19, class C works, budget of 1887-88.
	Do. ..	Do. ..	15	Quarters for the Assistant Apothecary, North Station Hospital.	C	..	4,773	..	..	..	..	..	..	..	..	Estimate of Rs. 4,773 was sanctioned in G.O., No. $\frac{938}{2}$ W., dated 5th April 1884. Item No. 20, class C works, budget of 1887-88.
	Nilgiri ..	Wellington.	16	Gymnasium, 2nd Royal Fusiliers.	C	..	10,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 7, class C works, budget of 1887-88.
	Bellary ..	Bellary ..	17	Infectious-disease ward and cook-house, station hospital.	C	..	6,140	..	..	..	..	..	..	..	..	Estimate of Rs. 6,140 was sanctioned in G.O., No. 320 W., dated 7th February 1884. Item No. 4, class C works, budget of 1887-88.
	Do ..	Do. ..	18	Alterations and additions to military prison and adjoining buildings.	C	..	11,260	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 5, class C works, budget of 1887-88.
	Do. ..	Do. ..	19	Swimming bath, British Infantry.	C	..	7,644	..	..	..	..	..	..	..	..	Estimate of Rs. 7,644 was sanctioned in G.O., No. 2434 W., dated 19th October 1885. Item No. 3, class C works, budget of 1887-88.
	Do. ..	Do. ..	20	Quarters for Bandmaster, British Infantry.	C	..	3,520	..	..	..	..	..	..	..	..	Estimate is awaited.
	Do. ..	Do. ..	21	Quarters for schoolmaster, British Infantry Regiment.	C	..	2,950	..	..	..	..	..	..	..	..	Do.
	Do. ..	Do. ..	22	Quarters for schoolmistress, British Infantry Regiment.	C	..	2,950	..	..	..	..	..	..	..	..	Do.
	Do. ..	Do. ..	23	Armourers' shop for the Arsenal.	C	..	4,650	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 6, class C works, budget of 1887-88.
(1) Accommodation for Troops—Buildings for European Troops in the Plains—Permanent—*cont.*	Presidency.	Fort St. George.	24	Repairs to floors of B, C and D blocks, family quarters.	C	..	10,070	..	..	..	..	..	..	..	..	Estimate is awaited.
	Do. ..	Do. ..	25	Constructing coach-houses and stables for the use of officers.	C	..	15,770	..	..	..	..	..	..	..	..	Do. Item No. 15, class C works, budget of 1887-88.
	Chingleput.	St. Thomas' Mount.	26	A wheeler and collar makers' shop for the west barracks.	C	..	5,660	..	..	..	..	..	..	..	..	Estimate of Rs. 5,660 was sanctioned in G.O., No. 2717 W., dated 3rd Nov. 1884. Item No. 21, class C works, budget of 1887-88.
	Do. ..	Do. ..	27	Sergeants' mess for east barracks.	C	..	6,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 22, class C works, budget of 1887-88.
	Do. ..	Do. ..	28	Quarters for 3 medical subordinates attached to the station hospital.	C	..	8,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 24, class C works, budget of 1887-88.
	Do. ..	Do. ..	29	Quarters for the headquarter's staff, Royal Artillery.	C	..	12,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 25, class C works, budget of 1887-88.
	Do. ..	Do. ..	30	General improvements to the drains of the cantonments	C	..	10,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 23, class C works, budget of 1887-88.
	Do. ..	Do. ..	31	Battery office for P/1st, Royal Artillery, east barracks.	C	..	5,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 26, class C works, budget of 1887-88.
	Do. ..	Do. ..	32	Raising the roof of harness room, troop lines.	C	..	4,200	..	..	..	..	..	..	..	..	Estimate of Rs. 4,200 was sanctioned in G.O., No. 3137 W., dated, 17th Dec. 1881. Item No. 27, class C works, budget of 1887-88.
	Do. ..	Do. ..	33	Wooden shed at the proof range.	C	..	2,820	..	..	..	..	..	..	..	..	Estimate of Rs. 2,820 was sanctioned in G.O., No. 3077 W., dated 13th December 1884. Item No. 28, class C works, budget of 1887-88.
	Do. ..	Do. ..	34	Converting the disused gun-shed between the north barracks and main guard into a coffee shop, recreation-room and library	C	..	2,520	..	..	..	..	..	..	..	..	Estimate of Rs. 2,520 was sanctioned in G.O., No. 1234 W., dated 28th May 1885. Item No. 29, class C works, budget of 1887-88.
	Do. ..	Pallávaram.	35	One mortuary room for each of the 3 hospitals, Nos. 1 to 3.	C	..	3,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 30, class C works, budget of 1887-88.
	Do. ..	Poonamallee.	36	Warrant officers' quarters.	C	..	3,500	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 32, class C works, budget of 1887-88.
	Do. ..	Do. ..	37	Two staff sergeants' quarters, first class.	C	..	6,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 33, class C works, budget of 1887-88.
	Do. ..	Do. ..	38	Coffee shop	C	..	9,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 34, class C works, budget of 1887-88.
(1) Accommodation for Native Troops.	Presidency.	Bangalore.	39	Additions, &c., to public buildings, Madras Infantry Regiment for a Pioneer Regiment.	A	12,000	..	..	..	..	..	..	..	..	..	Estimate of Rs. 21,636 was sanctioned in G.O., No. 2952 W., dated 29th Nov. 1884. Item No. 2, class A works, budget of 1887-88.
	Do. ..	Do. ..	40	Public buildings for a regiment of Native Cavalry.	B	..	15,000	..	..	..	..	..	..	..	..	Estimate of Rs. 30,990 was sanctioned in G.O., No. 1302 W., dated 25th May 1886. The budget grant of Rs. 10,000 for the current year has been since withdrawn.

Schedule of the probable requirements of the Madras Presidency on account of Military Works for 1888-89—*cont.*

Head of classification.	Executive Division.	Locality.	Item No.	Projects and works.	Class.	Original Works.					Repairs.	Establishment	Tools and plant.	Suspense.	Grand Total.	Remarks.
						Major works.			Minor works.	Total.						
						Works in progress.	New works.	Total.								
						Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
(1) Accommodation for Native Troops.	Trichinopoly.	Trichinopoly.	41	Store-rooms and workshop, &c., for 4th Pioneers.	B	..	4,900	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 43, class C works, budget of 1887-88.
	Presidency.	Madras ..	42	Constructing 4 latrines, 2 for males and 2 for females, Perambur lines.	B	..	3,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 39, class C works, budget of 1887-88.
	Do.	Do.	43	Flushing drains of Native Infantry lines at Rayapuram.	C	..	4,300	..	..	..	..	..	..	..	..	Estimate of Rs. 4,300 was sanctioned in G.O., No. 1397 W., dated 4th June 1884. Item No. 40, class C works, budget of 1887-88.
	Chingleput.	Pallávaram.	44	Magazine for Madras Infantry Regiment on standard plan.	C	..	4,500	..	..	..	..	..	..	..	..	Estimate of Rs. 4,900 was sanctioned in G.O., No. 334 W., dated 8th Feb. 1886. Item No. 41, class C works, budget of 1887-88.
	Do.	Do.	45	Armourers' shop for Madras Infantry Regiment.	C	..	2,880	..	..	..	..	..	..	..	..	Estimate of Rs. 2,880 was sanctioned in G.O., No. 3149 W., dated 22nd Dec. 1884. Item No. 42, class C works, budget of 1887-88.
	Vizagapatam.	Vizianagram.	46	Regimental store-room for Native Infantry, including storage for camp equipage.	C	..	3,480	..	..	..	..	..	..	..	..	Estimate of Rs. 3,480 was sanctioned in G.O., No. 2628 W., dated 27th Oct. 1884. Item No. 35, class C works, budget of 1887-88.
	West Coast.	Mangalore.	47	Providing drains for the lines of Native Infantry.	C	..	11,710	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 38, class C works, budget of 1887-88.
(2) Ordnance Works.	Bellary ..	Bellary ..	48	Constructing six double quarters for the Staff Sergeants attached to the Ordnance Department.	A	10,000	..	..	..	..	..	..	..	..	..	Estimate of Rs. 42,420 was sanctioned in G.O., No. 1650 W., dated 18th June 1887. Item No. 8, class B. works, budget of 1887-88.
	Presidency.	Fort St. George.	49	Magazines.	A	33,000	..	..	..	..	..	..	..	..	..	Estimate is under reference. Rs. 17,000 provided for the current year—*vide* Item No. 9, class B works, budget of 1887-88.
	Bellary ..	Bellary ..	50	Converting the old regimental hospital now used as a Government school into quarters for nine warrant officers, Ordnance Department.	C	..	20,380	..	..	..	..	..	..	..	..	Estimate is awaited.
	Presidency.	Madras ..	51	Extra accommodation as store-rooms in the Gun Carriage Factory.	C	..	6,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 45, class C works, budget of 1887-88.
(3) Commissariat Buildings.	Do. ..	Do. ..	52	Providing sun-shades to all exposed doors and windows in the Ordnance Lines.	C	..	4,160	..	..	..	..	..	..	..	..	Estimate of Rs. 4,160 was sanctioned in G.O., No. 2248 W., dated 22nd August 1887.
	Do. ..	Do. ..	53	Shed for the camp equipage.	B	..	6,935	..	..	..	..	..	..	..	..	Estimate of Rs. 6,935 has been received and is under disposal. Item No. 51, class C works, budget of 1887-88.
	West Coast.	Calicut ..	54	Transport sheds ..	B	..	3,310	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 46, class C works, budget of 1887-88.
	Presidency.	Bangalore.	55	Quarters for a Conductor, Transport Department.	C	..	5,800	..	..	..	..	..	..	..	..	Estimate of Rs. 5,800 was sanctioned in G.O., No. 992 W., dated 16th April 1886. Item No. 47, class C works, budget of 1887-88.
	Do. ..	Do. ..	56	Quarters for an Ambulance Sergeant near Cattle lines, Transport Department.	C	..	3,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 48, class C works, budget of 1887-88.
	West Coast.	Malapuram.	57	Constructing a cattle shed for the Commissariat Department.	C	..	4,000	..	..	..	..	..	..	..	..	Estimate is awaited.
	Presidency.	Madras ..	58	Lines for transport attendants.	C	..	48,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 49, class C works, budget of 1887-88.
	Do. ..	Do. ..	59	Workshops and sheds for carts, doolies, &c., Transport Department.	C	..	40,680	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 50, class C works, budget of 1887-88.
	Do. ..	Do. ..	60	Quarters for a Conductor, Commissariat Department.	C	..	4,000	..	..	..	..	..	..	..	..	Estimate is awaited.
	Chingleput.	Guindy ..	61	Quarters for station butcher attached to slaughter-house.	C	..	4,740	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 53, class C works, budget of 1887-88.
	Presidency.	Teynampet.	62	Constructing a wheat godown.	C	..	5,950	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 52, class C works, budget of 1887-88.
(8) Fortifications.	North Arcot.	Vellore ..	63	Constructing a draw-bridge and gate for the fort.	A	2,867	..	..	..	..	..	..	..	..	..	Estimate of Rs 6,450 was sanctioned in G.O., No. 528 W., dated 7th March 1885. Item No. 11, class B works, budget of 1887-88.
	Presidency.	Fort St. George.	64	Facing the encinte of Fort St. George with Portland cement.	B	..	5,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 56, class C works, budget of 1887-88.
	West Coast.	Malapuram.	65	Converting Malapuram into a fortified station.	C	..	5,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 55, class C works, budget of 1887-88.
	Presidency.	Fort St. George.	66	Demolition of Wallajah ravelin and two lunettes.	C	..	7,426	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 57, class C works, budget of 1887-88.
	Do. ..	Do. ..	67	Constructing a draw-bridge at north gate.	C	..	2,680	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 58, class C works, budget of 1887-88.
	Nilgiri ..	Ootacamund.	68	Water-supply, Lawrence Asylum.	C	..	7,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 54, class C works, budget of 1887-88.
(4) Staff and Miscellaneous.	..	..	69	Reserve with Government for incomplete Major Works.	..	15,300	..	..	..	..	..	..	..	..	..	....
				Total ..		87,524	4,90,444	5,77,968	1,50,000	7,27,968	3,50,000	2,47,867	16,165	..	13,42,000	

List of Military Works estimated to cost Rs. 2,500 each or under, and for which funds are required in the Public Works budget for 1888-89.

Division or district.	Station.	Description of buildings, &c., and for what corps or departments needed.	Approximate estimate of cost.	Remarks by the Commander-in-Chief.
			Rs.	
Eastern District.	Fort St. George.	Store-room, forge workshop—Arsenal.	520	When funds are available.
	Do. ...	A new bridge across trench in new park—Arsenal.	810	
	Do. ..	I. room alterations for theatre...	1,000	
	Do. ...	Pipes to carry off main water from the barracks—Officers' quarters, &c.	990	Recommended.
	Do. ...	Improvements to military prison.	810	When funds are available.
	Do. ...	Putting up 13 ventilator windows in the mess-room of the officers' mess-house of the British Regiment.	600	
	Do. ...	Enclosing verandah in the office of the Examiner, Medical Accounts.	960	Approved.
	Madras ...	Ordnance store-room—Beach ..	1,250	Necessary.
	Do. ...	Huts, infectious disease—Station hospital.	750	When funds are available.
	Do. ...	Regimental school—Perambúr lines, Madras Infantry.	1,375	
	Do. ...	Shed to hold fire-engine, at the Government Bakery.	820	Approved.
	Do. ...	Iron railings to passage in the Storekeeper-General's record-room — Commissary-General's office.	670	
	Do. ...	Godown, wheat, &c.	1,785	When funds are available.
	Do. ...	Drainage—Bakery premises ...	950	
	Do. ...	Gram-boiling shed—Mule lines.	1,500	
	Do. ...	Latrine for hospital—Ráyapuram lines.	1,000	
	Do. ...	Converting one Sub-Conductor's quarters, Commissariat Department, to Conductor's quarters by adding a room 18′ × 16′.	576	
	Do. ...	Store-room to 3 warrant officers and 4 sergeants' quarters—Commissariat Department.	1,000	
	Do. ...	Additional latrine accommodation—Army Clothing Department.	536	Approved.
	Do. ...	Granite stone foundation for machinery to wheel-wrights' shop—Gun Carriage Factory.	890	
	Do. ...	Laying on Red Hills water in pipes to the quarters of the Conductor and Mechanical Engineer at the Government Bakery, Teynampet.	560	
	St. Thomas' Mount.	Commissariat—Wells, &c., public cattle depôt.	1,200	When funds are available.
	Do. ...	Royal Artillery — Lightning conductor, Magazine.	1,500	Most important.
	Do. ...	Closing up archway, gun-shed —P. Battery, 1st Brigade.	560	Very necessary.
	Do. ...	Improvements to Sergeants' quarters — Reserve Powder Magazine.	585	*Vide* G.O., No. 2557 W., dated 2nd November 1885. Very necessary.

List of Military Works estimated to cost Rs. 2,500 each or under, &c.—*cont.*

Division or district.	Station.	Description of buildings, &c., and for what corps or departments needed.	Approximate estimate of cost.	Remarks by the Commander-in-Chief.
			Rs.	
Eastern District—*cont.*	St. Thomas' Mount.	Constructing a second verandah to the harness room attached to east barracks, Royal Artillery.	1,170	When funds are available.
	Do. ...	Constructing two store-rooms and two cook-rooms to recreation-room, library and coffee shop, east barracks.	700	Approved.
	Do. ...	Drains in stables, east barracks.	800	
	Do. ...	Improving lightning-conductor, Reserve Powder Magazine.	640	
	Do. ...	Coating the pillars of Royal Artillery stables in the east and west barracks.	880	
	Do. ...	Constructing three line-gear rooms for Royal Artillery stables, east barracks.	1,140	
	Do. ...	Converting the vacant family quarters, south barracks, into quarters for medical subordinates doing duty at the station hospital.	1,070	
	Pallávaram ...	Tiled-shed	636	When funds are available.
	Poonamallee...	Alteration—Barracks	1,000	
	Do. ...	Wall, new - Family quarters ...	1,000	
	Do. ...	Constructing new walls between the latrines of the family quarters.	730	
	Do. ...	Providing lightning-conductor to the station hospital.	2,400	
	Do. ...	Improving drains in cantonment	1,500	Approved.
	Do. ...	Bullocks shed—Commissariat Department.	510	
	Do. ...	New magazine—Madras Infantry.	1,530	Very necessary.
	Vizianagram...	Improvements to hospital—Madras Infantry.	515	When funds are available.
	Do. ...	Improvements to ventilation—Madras Infantry.	545	
	Do. ...	Contagious disease shed ...	917	Approved.
	Do. ...	Building for Commissariat stores and office.	1,200	When funds are available.
	Berhampore...	Improving drains outside the compounds of the rest-house.	560	Approved.
Bangalore Division.	Arkónam ...	Royal Artillery—Latrine, Staff Sergeants' quarters, Royal Horse Artillery.	2,100	Very necessary on sanitary grounds.
	Bangalore ...	Quarters, Battery — Quartermaster Sergeant, Royal Horse Artillery.	1,100	Desirable.
	Do. ...	Cook-house—Sergeants' mess, field batteries.	1,470	Necessary.
	Do. ...	Latrine for men—Stables, field batteries.	620	
	Do. ...	Board floor, recreation-room—Royal Horse Artillery.	1,240	
	Do. ...	Stone floor to gun-shed, &c. ...	1,160	
	Do. ...	Two Riding Schools	1,156	Necessary. Estimate already sanctioned by Government.
	Do. ...	Latrine—Six seats for men at stables.	600	Very desirable.
	Do. ...	Camp equipage stores—Connecting with water-supply.	1,170	When funds are available.

List of Military Works estimated to cost Rs. 2,500 each or under, &c.—*cont.*

Division or district.	Station.	Description of buildings, &c., and for what corps or departments needed.	Approximate estimate of cost.	Remarks by the Commander-in-Chief.
			RS.	
Bangalore Division—*cont.*	Bangalore ...	Latrine for followers	1,600	Necessary.
	Do. ...	North Station Hospital—Quarters for men of Army Hospital, Native Corps.	756	
	Do. ...	South Station Hospital—Quarters for men of Army Hospital Native Corps.	924	
	Do. ...	Improving place of arms and hospital.	700	
	Do. ...	Improving Staff Sergeants' quarters.	2,000	When funds are available.
	Do. ...	Improving Sergeant Butcher's quarters.	525	Very necessary.
	Do. ...	Improving road from race-course barracks to slaughter-house.	1,400	When funds are available.
	Do. ...	Additions to accommodation in Transport lines.	1,545	Urgently required.
	Do. ...	Converting Sergeants' quarters into Sub-Conductors' quarters.	1,000	Very necessary.
	Do. ...	Two grass-sheds for the two field batteries.	920	Unauthorised, but desirable.
	Do. ...	Constructing a stone drain in forage yard and levelling ground.	1,440	Approved.
	Do. ...	Preparing a boarded floor in the room now used as a fencing room.	800	
	Do. ...	Lining with stone the drain east and west of barrack limits, parade barracks.	1,538	Desirable.
	Do. ...	New drains in Transport lines to carry off water.	1,100	Approved.
	Do. ...	A room suitable for an office for the Quarter-master at north end of Quartermaster's stores, British Infantry.	2,160	
	Do. ...	Drains around the Married and Staff Sergeants' quarters, &c., British Infantry at St. John's Hill Barracks.	710	
	Do. ...	Quarters for the station butcher.	2,000	
Ceded Districts.	Bellary ...	Additions to the gate conductor's office—Arsenal, Bellary.	1,464	Approved.
	Do. ...	Renewal floor, No. II Magazine, Fort.	616	Very necessary.
	Do. ...	Reflooring Commissariat store-rooms with asphalte.	670	
	Do. ...	Drain pipes required to be fitted around the buildings to carry off rain-water from the roofs.	1,690	Desirable.
	Do. ...	Skittle alley	1,600	When funds are available.
	Do. ...	Guard-room for hospital guard-Station Hospital.	1,200	Very desirable.
	Do. ...	Compound wall for the quarters of the Army Hospital Corps.	1,346	When funds are available.
	Do. ...	Compound wall with two gates to enclose female hospital attached to Station Hospital.	1,300	
	Do. ...	Compound wall for medical subordinates' quarters—Station Hospital.	535	
	Do.	Enlarging a well in the cantonment.	854	

List of Military Works estimated to cost Rs. 2,500 each or under, &c.—*cont.*

Division or district.	Station.	Description of buildings, &c., and for what corps or departments needed.	Aproximate estimate of cost.	Remarks by the Commander-in-Chief.
			RS.	
Ceded dist.—*cont.*	Bellary ...	Converting No. 5 division workshop in the Arsenal into an office for the gate conductor.	1,464	When funds are available.
	Wellington ...	Renewing floors of latrines and school block.	1,680	Necessary.
	Do. ...	Enlarging purveyors' stores ...	2,000	Very necessary.
	Do. ...	Cooking stoves for Staff Sergeants' quarters.	536	
	Do. ...	Supplying cooking stove, Sergeants' mess	800	Desirable.
	Do. ...	Laying on drinking water to hospital.	2,226	
	Do. ..	Masonry drain from Barracks square to Engineer's office.	510	Approved.
	Do. ...	Shed for dhooly-bearers and dhooly.	2,300	Approved, but estimate seems very high.
	Cannanore ..	Alterations and improvements to the Government bakery.	2,117	Desirable.
	Calicut ...	Stable and harness-room for 12 mules for the Commissariat Department at West Hill barracks.	1,900	Approved, but something on a cheaper scale should be provided.
	Do. ...	Road to Transport lines	1,000	Approved, if such a road is found necessary when a site for the new lines is finally settled.
	Do. ...	Extension of present wash and bath houses for the detachment.	950	Approved.
	Do. ..	Servants' houses and stables for Apothecary's quarters, West Hill.	990	
	Do. ...	Lines for Native Army Hospital for eight men.	1,056	
	Malapuram ...	Converting beer go down into a gymnasium for detachment	790	Very necessary.
	Do. ...	Providing a platform and pump to well.	1,110	
	Do. ...	Compound wall for infectious disease ward.	725	Approved.
	Mettupálayam.	Sick-cart shed—Commissariat Department.	1,500	
Southern Districts.	Quilon ...	Renewing floor of hospital ...	1,970	Desirable.
	Do. ...	An armourers' shop—Madras Infantry.	1,700	When funds are available.
	Do. ...	Two solitary cells	1,245	Approved.
Belgaum District.	Mangalore ...	Reflooring hospital—Madras Infantry.	695	When funds are available.
	Do. ...	Additions to armourers' workshop	790	
	Do. ...	Constructing permanent verandah for the Quartermaster's store, Native Infantry.	630	
	Do. ...	Putting a tar composite floor in place of arms in lieu of the existing wooden floor—Native Infantry.	653	
	Do. ...	Constructing parapet walls to two wells, erecting nine dust-bins and providing six designation boards for Hospital ward—31st Light Infantry.	671	Approved.
	...	Lump sum provision for works costing below Rs. 500 each.	32,343	
		Total ..	1,50,000	