No of Sheets : 78

Date of Repair 14th March '81

Initial of the Repairer - bvs

TAMILNADU ARCHIVES
Govt of Tamilnadu

G.O No : 1861 W. dt 12.7.1887

Public Works DEPARTMENT.

1/1861

12th July 1887, No. 1861 W., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

Read—the following papers :—

From Brigadier-General E. FAUNCE, Quartermaster-General, to the Secretary to Government, Military Department, dated Ootacamund, 11th March 1887, No. 1142 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 :—

Estimate, amounting to Rs. 1,640, for constructing two solitary cells for the Madras infantry regiment at Quilon, with plan, specification and report.

2. The work is included in the schedule of requirements for 1887-88 printed in G.O., No. 2497 W., of 25th September 1886, (Military No. 6168 of 4th October 1886).

No. 1513, Military.

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

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

Fort St. George,
14th March 1887.

No. 1140 C.

Referred to the Superintending Engineer, IV Circle, for favor of explanation as to why it is proposed to construct the cells on totally different lines to the standard design.

(By Order.)
(Signed) W. L. C. BADDELEY, Captain, R.E.,
Under Secy. to Govt., P.W.D

24th March 1887.

From H. S. TAYLOR, Esq., Executive Engineer, West Coast Division, to the Superintending Engineer, IV Circle, dated Cannanore, 23rd April 1887, No. 257.

In reply to your No. 305 W.C., dated 19th instant, I have the honor to inform you that the requisition from the military authorities at Quilon was for the removal and rebuilding of the two solitary cells.

2. It was supposed therefore that no change in their form was considered desirable, and that two separate cells were still required.

3. On this supposition the estimate was submitted for the two cells of the same form and dimensions as the old ones, but with the nature of the roof altered to one more suitable to the climate of this coast, as already reported.

4. This was the only reason for not adhering to the standard design, which is for two cells *combined*.

5. An estimate will now be put in hand for two *combined* cells, according to the standard, with the exception, that a tiled roof will be substituted for a flat roof, unless ordered otherwise.

No. 190 E.W.

Forwarded for the information of the Chief Engineer, with reference to his endorsement, No. 1140 C.,* of 24th March 1887.

2. An alternative estimate, on the standard plan, will be furnished shortly.

* Herewith returned with 5 enclosures and a plan.

Coimbatore,
4th May 1887.

(Signed) J. BEATTY, Colonel, R.E.,
Suptg. Engineer, IV Circle.

No. 1669 C.

The alternative estimates will be awaited.

16th May 1887.

(Signed) J. O. HASTED, Colonel, R.E.,
Chief Engineer, P.W.D.

From Colonel J. BEATTY, R.E., Superintending Engineer, IV Circle, to the Chief Engineer, Public Works Department, dated Coimbatore, 14th June 1887, No. 248 E.W.

With reference to your memorandum, No. 1669 C., dated 16th ultimo, I have the honor to submit, herewith, an alternative estimate, amounting to Rs. 1,312, for constructing two solitary cells at Quilon, on the standard design, together with a plan.

No. 265 D.

Forwarded for the approval of Government, in the Military Department, with reference to No. 1669 C., dated 16th May 1887, which, together with original papers, is forwarded for reference.

2. The return of the complete file is requested.

Ootacamund,
27th June 1887.

(Signed) J. O. HASTED, Colonel, R.E.,
Secretary to Government.

No. 3867, Military.

Referred to His Excellency the Commander-in-Chief.

(By Order.)

Ootacamund,
1st July 1887.

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

From Brigadier-General E. FAUNCE, Quartermaster-General, to the Secretary to Government, Military Department, dated Ootacamund, 6th July 1887, No. 2377 A.

In returning the papers received under reference G.O., No. 3867, of 1st instant, I am desired to convey the Commander-in-Chief's approval to the plan and estimate, amounting to Rs. 1,245, therewith received, for constructing two combined solitary cells, on the standard plan, for the Madras infantry regiment at Quilon, in substitution of the plan and estimate, amounting to Rs. 1,640, for two separate cells, forwarded with this office No. 1142 A of 11th March 1887.

2. The plan and estimate have been countersigned.

No. 4025, Military.

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

(By Order.)

Ootacamund,
7th July 1887.

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

Order—dated 12th July 1887, No. 1861 W., Public Works.

The estimate, amounting to Rs. 1,245, for constructing two solitary cells for the Madras infantry regiment at Quilon, is sanctioned, for execution when funds are available.

2. This sanction has been registered as Imperial, No. 19 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 eight enclosures.
" Examiner, Public Works Accounts, with abstract estimate for note and return to the Superintending Engineer.
" Military Department.

Exd. E. Fernandez.
Spare Copies

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of 1887 Madras.

PUBLIC WORKS.

Dated July, 12th.

Encl.

Recd.

G.O., 12th July 1887, No. 1861 W.

JULY.

4

Madras Infantry Regiment at Quilon

Estimate of Rs. 1,245, for constructing two solitary cells for the —, sanctioned.

3/1861

20TH OCTOBER 1885, No. 2445 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following papers :—

From Brigadier-General R. C. STEWART, Quartermaster-General, to the Secretary to Government, Public Works Department, dated Ootacamund, 7th October 1885, No. 3351 A.

I have the honor to forward herewith schedules of requirements in Military Works, Major and Minor, in view to provision being made to such extent as is possible for them in the Public Works Department budget for 1886-87.

2. The major works have been classified as noted below, the works in class B being entered in order of their urgency, while those in class C are grouped according to commands :—

Class A.—Works commenced, for completion of which grants are required.

Class B.—Works of special urgency not yet commenced, for which grants are required.

Class C.—Works of less urgency, but for which provision should be made as funds are available.

3. The following remarks, regarding works in class B, are submitted for the special consideration of Government :—

I. The urgency of items Nos. 1 and 2 has been passed upon Government for two years past, and it was only the special demand for retrenchment in the current year that has interfered with their execution.

(1) Gymnasium, British Infantry, Fort St. George.
(2) Addition to Military Prison, Bangalore.

II. Item No. 3 is a defence work the necessity of which was urged by Sir F. Roberts, with whom the Provincial Commander-in-Chief fully concurs in opinion. It would have been carried out in current year had it not been for the restrictive orders mentioned in the previous paragraph.

(3) Drawbridge, &c., Fort, Vellore.

III. The urgency of items Nos. 4, 5, 8, 9 and 14 was mentioned to Government last year, and General Rowlands hopes that funds for them will be found in the next budget.

(4) Improving water-supply, British Infantry Barracks, Bellary.
(5) Store-room and workshop, Pioneer, Bangalore.
(8) Accommodation one Madras Infantry Regiment, Bangalore.
(9) Accommodation for women, in hospital, Wellington.
(14) Coffee-shops, Royal Artillery, St. Thomas' Mount.

IV. Item No. 6 is one which must be provided for, as the existing store-room is in a very bad state.

(6) New store-room, Madras Infantry, Quilon.

V. Item No. 7 is a new work the necessity for which has just arisen in connection with providing properly for storage of powder near Madras, the Veysarpady magazine having been condemned. By the proposed alterations in the magazine at St. Thomas' Mount, it will be possible to store 2,044 additional barrels of powder there. This work should therefore not be delayed.

(7) Alterations to racks in magazine, St. Thomas' Mount.

VI. Item No. 10 is a work connected with the use of the Fort as a place of defence, and should be provided for, as until it is carried out the garrison of the Fort cannot depend on a supply of good water being stored for its use in time of need.

(10) Improving water-supply, Fort St. George.

(11) Wall round Gunpowder Factory, Madras.

VII. Item No. 11 is a work which has been sanctioned by the Government of India, and though it is not yet decided whether it shall be carried out or whether an entrenchment shall take its place, it would be as well that funds should be provided for it in the coming year.

(12) New wheel-shop, Gun Carriage Factory.

VIII. Item No. 12 is a work the necessity for which has been brought forward for several years by the Ordnance Department and should not be delayed.

(13) Reconstruction Apothecaries' quarters, station hospital, Bellary.

IX. The old quarters having been dismantled as they were found to be unsafe, the work of their reconstruction, item No. 13, should be carried out as soon as possible, for it is very essential that medical subordinates should live near their work.

(15) Additional buildings, Ordnance Depôt entrenchment, Bangalore.

X. It is not yet quite decided whether an Ordnance Depôt is to be maintained in the entrenchment at Bangalore or not; but as the buildings would have to be provided at once, if the depôt is to be maintained, item No. 15 is included in the list of works of special urgency.

4. The length of the schedule of minor works speaks for itself and will confirm the remarks made in this office letter, No. 2863 A., of 4th ultimo, on the subject of these works, it being noted, moreover, that in this schedule the numerous works costing under Rs. 500 are not included.

5. This fact reminds the Provincial Commander-in-Chief of the necessity for asking that in future years Government will be good enough to provide a sufficiently large grant for these minor works costing Rs. 500 and under, to enable allotments to be made not only to general officers commanding divisions and districts, but to the Commissary-General and Inspector-General of Ordnance, so that those officers may be in a position to arrange for execution of works of this nature in their respective departments without trenching on the allotments of general officers commanding.

CLASS A.

Works commenced, for completion of which grants are required.

Command.	Station.	Item No.	Work.	Cost.	Remarks.
				RS.	
Eastern district.	Fort St. George.	1	Armament—Mounting, &c.	42,000	Amounts of estimates are given, the amounts required in next year for completing the works not being known in this office.
		2	Beach batteries completing	14,265	
	St. Thomas' Mount.	3	Barracks, Royal Artillery, new.	1,27,750	
		4	Stabling, Royal Artillery, new.	20,160	
Bangalore division.	Bangalore.	5	Agram entrenchment works.	20,490	
		6	Accommodation—Public buildings, Native Cavalry.	29,600	
	Wellington.	7	Bakery—new	32,000	
	Trichinopoly.	8	Accommodation—Public buildings two Madras Infantry Regiments.	21,140	
Western district.	Malápuram...	9	Barracks—new ...	1,34,214	

Ootacamund,
7th October 1885.

(Signed) R. C. STEWART, Brigadier-General,
Quartermaster-General.

4
1861

CLASS B.

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

Command.	Station.	Item No.	Work.	Cost.	Remarks.
				RS.	
Eastern district.	Fort St. George.	1	Gymnasium—British Infantry.	11,570	Estimates already sanctioned by Government.
Bangalore division.	Bangalore...	2	Additions—Military Prison.	8,325	
Eastern district.	Vellore ...	3	Drawbridge, &c.—Fort.	6,450	
Ceded districts.	Bellary ...	4	Improving system of water-supply — British Infantry barracks.	5,350	Estimate prepared.
Bangalore division.	Bangalore...	5	Store-rooms and workshops—Pioneers.	3,000	
Western district.	Quilon ...	6	New store-room—Madras Infantry.	9,334	Estimate already sanctioned by Government.
Eastern district.	St. Thomas' Mount.	7	Alterations to racks in the Ordnance Magazine.	2,505	Estimate now before Government.
Bangalore division.	Bangalore...	8	Accommodation — Public buildings one Madras Infantry Regiment.	14,610	Estimates already sanctioned by Government.
	Wellington.	9	Hospital accommodation —Women and children.	3,036	
Eastern district.	Fort St. George.	10	Improving water-supply.	6,445	Estimate now before Government.
	Madras ...	11	Wall round Gunpowder Factory.	10,000	Work sanctioned but estimate not yet submitted.
		12	New wheeler shop—Gun Carriage Factory.	7,350	Estimates already sanctioned by Government.
Ceded districts.	Bellary ...	13	Reconstructing double Apothecaries' quarters —Station hospital.	6,222	
Eastern district.	St. Thomas' Mount.	14	Coffee-shops—Field Battery, upper story barracks Royal Artillery.	6,690	
Bangalore division.	Bangalore...	15	Ordnance Depôt buildings, entrenchment—Bangalore.	4,823	Estimate prepared but held in abeyance pending decision of Government regarding maintenance of Ordnance Depôt at Bangalore.

Ootacamund,
7th October 1885.

(Signed) R. C. STEWART, Brigadier-General,
Quartermaster-General.

CLASS C.

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

Command.	Station.	Work.	Cost.	Remarks.
			RS.	
Eastern district.	Fort St. George.	Drainage—Fort barracks ...	10,000	
		Washhouse outside barracks ...	2,500	
		Garrison bazaar to be done away with and new cook-houses built.	4,500	

List of works of less urgency not yet commenced, &c.—*cont.*

Command	Station.	Work.	Cost.	Remarks.
			RS.	
Eastern district—*cont.*	St. Thomas' Mount.	Wheeler and Collar makers' shop, new—Royal Artillery barracks.	5,660	Estimates already sanctioned by Government.
		Raising roof, &c., harness-room—Troop lines.	4,200	
	Pallávaram.	Mortuary rooms—Hospitals ...	3,000	
		Magazine—Native Infantry Regiment.	4,500	
	Poonamallee.	Lightning conductors to hospital.	3,000	Estimate before Government.
	Madras ...	Flushing drains — Ráyapuram, Madras Infantry lines.	4,300	
		Extra store-room in Gun Carriage Factory.	6,000	
		Improving Barrel-machine shop—Gun Carriage Factory.	4,030	Estimate already sanctioned by Government.
		Shed for tent manufacture in Camp Equipage Depôt.	5,800	
		Lines for transport attendants ...	48,000	
		Workshops and sheds for carts, doolies, &c.—Transport Department.	5,500	
		Converting Superintending Engineer's office, Guindy, into slaughter house.	11,800	
		Quarters for station butcher ...	4,740	
	Vizianagrum.	Regimental store-room—Madras Infantry.	3,480	
Bangalore division.	Bangalore.	School master and mistress' quarters—Royal Artillery.	6,200	
		Quarters—Senior Apothecary, north station hospital.	5,300	Estimates already sanctioned by Government.
		Quarters—Assistant do. ...	4,773	
		Do. Conductor, Transport Department.	4,220	
	Wellington	Gymnasium	21,835	
		Drinking water to be laid on to hospital.	4,690	Estimate before Government.
		Quarters for a Barrack Sergeant.	7,348	Estimate already sanctioned.
Ceded districts.	Bellary ...	Alterations to prisons and adjoining buildings.	11,260	
		New gun-shed with Collar-makers' and Wheelers' shop for Royal Artillery.	5,663	Estimate already sanctioned by Government.
		Swimming-bath—British Infantry.	7,644	Estimate before Government.
		School-house for a regiment—Madras Infantry.	3,030	
		Infectious disease ward—Station hospital.	6,140	
Western district.	Cannanore	Plunge-bath—British Infantry ...	4,690	Estimates already sanctioned.
		Improvement, latrines—British Infantry.	2,780	

OOTACAMUND,
7th October 1885.

(Signed) R. C. STEWART, Brigadier-General,
Quartermaster-General.

5/186

Office note from the Examiner of Public Works Accounts, dated 14th October 1885, No. 565.

ORDER—dated 20th October 1885, No. 2445 W., Public Works.

Ordered that the schedules of military requirements on account of the Public Works Department in the Madras Presidency for 1886-87 be forwarded to the Government of India in the Military Department.

2. Ordered also that the lists of military works be printed and circulated to Superintending Engineers, in view to the necessary plans and estimates being prepared and submitted at an early date for the unsanctioned works included in the lists.

(Here enter No. 2446 W., dated 20th October 1885.)

(True Extract.)

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

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

Exd. J. Henricus.
Spare Copies

GENERAL.
ACCOUNT.

Govt. of (1885) Madras.

PUBLIC WORKS.

Dated October, 20th.

Recd. *Encl.*

G.O., 20th Oct. 1885, No. 2445 W.

OCTOBER.

Schedules of Military requirements for 1886-87

Orders on —.

6/1861

Appendix to G.O., No. 2445 W., dated 20th October 1885.

BUILDINGS AND ROADS.

SCHEDULE of the probable requirements of the Madras Presidency on account of Imperial Military Works for 1886-87.

Head of classification.	Executive division.	Locality.	Item No.	Projects and works.	Class.	Original works. Major works. Works in progress.	Original works. Major works. New works.	Original works. Major works. Total.	Original works. Minor works.	Original works. Total.	Repairs.	Establishment.	Tools and plant.	Suspense.	Grand total.	Remarks.
						RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	
Accommodation for troops—Buildings for European troops in the plains—Permanent.	Chingleput.	St. Thomas' Mount.	1	New barracks for Royal Artillery.	A	27,073	..	..	..	..	..	..	..	..	..	Estimate of Rs. 1,46,910 was sanctioned in G.O., No. 1274 W., dated 2nd June 1885. Item No. 1, class A works, budget of 1885-86.
	Do. ..	Do. ..	2	Constructing six blocks of stables for two field batteries of Royal Artillery.	A	1,000	..	..	..	..	..	..	..	..	..	Estimate of Rs. 20,160 was sanctioned in G.O., No. 2747 W., dated 1st October 1883. Item No. 2, class B works, budget of 1885-86.
	West Coast.	Malápuram.	3	Constructing a barracks for a detachment of British Infantry to accommodate 100 men.	A	19,235	..	..	..	..	..	..	..	..	..	Estimate of Rs. 1,34,214 was sanctioned in G.O., No. 1652 W., dated 15th July 1885. Item No. 2, class A works, budget of 1885-86.
	Presidency.	Fort St. George.	4	Converting a racket court into a covered gymnasium.	A	9,890	..	..	..	..	..	..	..	..	..	Estimate of Rs. 11,890 sanctioned in G.O., No. 1552 W., dated 20th June 1884. Item No. 1, class B works, budget of 1885-86.
	Do. ..	Bangalore ..	5	Additions to the Military Prison.	B	..	8,325	..	..	..	..	..	..	..	..	Estimate of Rs. 8,325 was sanctioned in G.O., No. 938 W., dated 5th April 1884. Item No. 3, class B works, budget of 1885-86.
	Bellary ..	Bellary ..	6	Improving the system of water-supply to British Infantry barracks.	B	..	5,35[illegible]	..	..	..	..	..	..	..	..	Estimate awaited.
	Nílgiri ..	Wellington.	7	Hospital accommodation for women and children.	B	..	3,036	..	..	..	..	..	..	..	..	Estimate of Rs. 3,036 was sanctioned in G.O., No. 1573 W., dated 6th July 1885. Item No. 15, class C works, budget of 1885-86.
	Presidency.	Fort St. George.	8	Improving water-supply.	B	..	6,445	..	..	..	..	..	..	..	..	Estimate of Rs. 6,445 was sanctioned in G.O., No. 2454 W., dated 20th October 1885.

Schedule of the probable requirements of the Madras Presidency on account of Imperial Military Works for 1886-87—*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.	
European troops in the plains—Permanent—*cont.*	Bellary ..	Bellary ..	9	Reconstructing double Apothecaries' quarters, station hospital.	B	..	6,222	..	..	..	..	..	..	..	..	Estimate of Rs. 6,222 was sanctioned in G.O., No. 1806 W., dated 3rd August 1885.
	Chingleput.	St. Thomas' Mount.	10	Constructing a coffee-shop with kitchen for the upper story barracks.	B	..	6,690	..	..	..	..	..	..	..	..	Estimate of Rs. 6,690 was sanctioned in G.O., No. 1390 W., dated 15th June 1885.
	Presidency.	Fort St. George.	11	Drainage of fort and barracks.	C	..	10,000	..	..	..	..	..	..	..	..	Estimate is awaited.
	Do. ..	Do. ..	12	Washhouse outside the barracks.	C	..	2,500	..	..	..	..	..	..	..	..	Do.
	Do. ..	Do. ..	13	Garrison bazaars to be done away with and new cook-houses built.	C	..	4,500	..	..	..	..	..	..	..	..	Do.
	Chingleput.	St. Thomas' Mount.	14	A wheeler and collar makers' shop for the new Artillery barracks.	C	..	5,660	..	..	..	..	..	..	..	..	Estimate of Rs. 5,660 was sanctioned in G.O., No. 2717 W., dated 3rd November 1884. Item No. 6, class C works, budget of 1885-86.
	Do. ..	Do. ..	15	Raising the roof of harness room, Troop lines.	C	..	4,200	..	..	..	..	..	..	..	..	Estimate of Rs. 4,200 sanctioned in G.O., No. 3137 W., dated 17th December 1881.
	Do. ..	Pallávaram.	16	Mortuary rooms for hospitals.	C	..	3,000	..	..	..	..	..	..	..	..	Estimate is awaited.
	Do. ..	Poonamallee.	17	Lightning conductors to the hospital.	C	..	3,000	..	..	..	..	..	..	..	..	Do.
	Presidency.	Bangalore.	18	School master and mistress' quarters, Royal Artillery.	C	..	6,200	..	..	..	..	..	..	..	..	Do.
	Do. ..	Do. ..	19	Quarters for the 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. 20, class C works, budget of 1885-86.
	Do. ..	Do. ..	20	Quarters for the Assistant Apothecary, north station hospital.	C	..	4,773	..	..	..	..	..	..	..	..	Estimate of Rs. 4,773 was sanctioned in G.O., No. 938 W., dated 6th April 1884. Item No. 21, class C works, budget of 1885-86.
	Nilgiri ..	Wellington.	21	Gymnasium	C	..	21,835	..	..	..	..	..	..	..	..	Estimate is awaited.
	Do. ..	Do. ..	22	Drinking water to be laid on to hospital.	C	..	4,600	..	..	..	..	..	..	..	..	Do.
Accommodation for troops—Buildings for	Do. ..	Do. ..	23	Constructing quarters with out-houses for a Barrack Sergeant.	C	..	7,348	..	..	..	..	..	..	..	..	Estimate of Rs. 7,348 was sanctioned in G.O., No. 1941 W., dated 21st August 1885.
	Bellary ..	Bellary ..	24	Alterations to prisons and adjoining buildings.	C	..	11,260	..	..	..	..	..	..	..	..	Estimate is awaited.
	Do. ..	Do. ..	25	New gun-shed with collar-makers' and wheelers' shop for the Royal Artillery.	C	..	5,663	..	..	..	..	..	..	..	..	Estimate of Rs. 5,663 was sanctioned in G.O., No. 914 W., dated 3rd April 1884. Item No. 13, class C works, budget of 1885-86.
	Do. ..	Do. ..	26	Swimming-bath, British Infantry.	C	..	7,644	..	..	..	..	..	..	..	..	Estimate of Rs. 7,644 was sanctioned in G.O., No. 2434 W, dated 19th October 1885.
	Do. ..	Do. ..	27	Infectious disease ward, station hospital.	C	..	6,140	..	..	..	..	..	..	..	..	Estimate of Rs. 6,140 sanctioned in G.O., No. 330 W., dated 7th February 1884.
	West Coast.	Cannanore.	28	Plunge-bath for British Infantry.	C	..	4,640	..	..	..	..	..	..	..	..	Estimate of Rs. 4,640 was sanctioned in G.O., No. 418, dated 16th Feb. 1876. Item No. 18, class C works, budget of 1885-86.
	Do ..	Do. ..	29	Improving latrines for the British Infantry.	C	..	2,780	..	..	..	..	..	..	..	..	Estimate of Rs. 2,780 was sanctioned in G.O., No. 1656, dated 4th April 1879. Item No. 19, class C works, budget of 1885-86.
Accommodation for troops—Buildings for Native troops.	Presidency.	Bangalore.	30	Public buildings for a regiment of Native Cavalry.	A	17,730	..	..	..	..	..	..	..	..	..	Estimate of Rs. 23,490 was sanctioned in G.O., No. 1552 W., dated 20th June 1884. Item No. 4, class B works, budget of 1885-86.
	Trichinopoly.	Trichinopoly.	31	Public buildings for two regiments of Native Infantry.	A	19,541	..	..	..	..	..	..	..	..	..	Estimate of Rs. 35,650 was sanctioned in G.O., No. 2194 W., dated 5th September 1884. Item No. 3, class A works, budget of 1885-86.
	Presidency.	Bangalore ..	32	Store-rooms and workshops for the Pioneer Regiment.	B	..	3,000	..	..	..	..	..	..	..	..	Estimate is awaited.
	West Coast.	Quilon ..	33	Constructing a regimental store-shed.	B	..	9,334	..	..	..	..	..	..	..	..	Estimate of Rs. 9,334 was sanctioned in G.O., No. 1556 W., dated 3rd July 1885. Item No. 32, class C works, budget of 1885-86.
	Presidency.	Bangalore ..	34	Public buildings for one regiment of Native Infantry.	B	..	21,636	..	..	..	..	..	..	..	..	Estimate of Rs. 21,636 sanctioned in G.O., No. 2952 W., dated 29th November 1884.
	Chingleput.	Pallávaram.	35	Magazine for a Native Infantry Regiment.	C	..	4,500	..	..	..	..	..	..	..	..	Estimate is awaited.
	Presidency.	Madras (Ráyapuram).	36	Flushing drains for Native Infantry lines.	C	..	4,300	..	..	..	..	..	..	..	..	Estimate of Rs. 4,300 sanctioned in G.O., No. 1397 W., dated 4th June 1884.
	Vizagapatam.	Vizianagrum.	37	Regimental store-room for Native Infantry.	C	..	3,480	..	..	..	..	..	..	..	..	Estimate of Rs. 3,480 was sanctioned in G.O., No. 2628 W., dated 27th October 1884. Item No. 23, class C works, budget of 1885-86.

Schedule of the probable requirements of the Madras Presidency on account of Imperial Military Works for 1886-87—*cont.*

Head of classification.	Executive division.	Locality.	Item No.	Projects and works.	Class.	ORIGINAL WORKS. Major works. Works in progress.	ORIGINAL WORKS. Major works. New works.	ORIGINAL WORKS. Major works. Total.	ORIGINAL WORKS. Minor works.	ORIGINAL WORKS. Total.	Repairs.	Establishment.	Tools and plant.	Suspense.	Grand total.	Remarks.
						RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	
Accommodation for troops — Buildings for Native troops—*cont.*	Bellary ..	Bellary ..	38	School-house for a regiment, Native Infantry.	C	..	3,030	..	..	..	..	..	..	..	..	Estimate of Rs. 3,030 was sanctioned in G.O., No. 149 W., dated 17th January 1884. Item No. 31, class C works, budget of 1885-86.
Ordnance works.	Presidency.	Fort St. George.	39	Armament of Fort St. George.	A	2,964	..	..	..	..	..	..	..	..	..	Estimate of Rs. 42,035 sanctioned in G.O., No. 2970 W., dated 19th October 1883. Item No. 4, class A works, budget of 1885-86.
	Do. ..	Madras ..	40	Alterations in the coast batteries.	A	6,025	..	..	..	..	..	..	..	..	..	Estimate of Rs. 14,265 sanctioned in G.O., No. 2126 W., dated 11th September 1885.
	Chingleput.	St. Thomas' Mount.	41	Alterations to racks in the Ordnance Magazine.	B	..	2,505	..	..	..	..	..	..	..	..	Estimate of Rs. 2,505 sanctioned in G.O., No. 2416 W., dated 15th October 1885.
	Presidency.	Madras ..	42	Wall round the Gunpowder Factory.	B	..	10,000	..	..	..	..	..	..	..	..	Estimate is awaited.
	Do. ..	Do. ..	43	New wheeler shop, Gun Carriage Factory.	B	..	7,370	..	..	..	..	..	..	..	..	Estimate of Rs. 7,370 sanctioned in G.O., No. 2870 W., dated 17th November 1884. Item No. 36, class C works, budget of 1885-86.
	Do. ..	Bangalore.	44	Ordnance Depôt buildings, entrenchment, Bangalore.	B	..	4,823	..	..	..	..	..	..	..	..	Estimate is awaited.
	Do. ..	Madras .	45	Extra accommodation as store-room in the Gun Carriage Factory.	C	..	6,000	..	..	..	..	..	..	..	..	Do.
	Do. ..	Do. ..	46	Improvements to the barrel-machine shop of the Gun Carriage Factory.	C	..	2,061	..	..	..	..	..	..	..	..	Estimate of Rs. 4,030 sanctioned in G.O., No. 2413 W., dated 16th September 1882.
	Nilgiri ..	Wellington.	47	Bakery	A	414	..	..	..	..	..	..	..	..	..	Estimate of Rs. 32,000, sanctioned in G.O., No. 1838 W., dated 29th July 1884.
Commissariat buildings.	Presidency.	Madras ..	48	Constructing a shed in the Camp Equipage Depôt.	C	..	5,300	..	..	..	..	..	..	..	..	Estimate is awaited.
	Do. ..	Do. ..	49	Lines for transport attendants.	C	..	48,000	..	..	..	..	..	..	..	..	Do.
	Do. ..	Do. ..	50	Workshops and sheds for carts, doolies, &c., Transport Department.	C	..	5,500	..	..	..	..	..	..	..	..	Do.
	Chingleput.	Guindy ..	51	Converting the late Superintending Engineer's office at Guindy into a slaughter-house.	C	..	11,800	..	..	..	..	..	..	..	..	Estimate of Rs. 11,800 sanctioned in G.O., No. 1399 W., dated 12th May 1883. Item No. 43, class C works, budget of 1885-86.
	Do. ..	Do. ..	52	Quarters for a station butcher.	C	..	4,740	..	..	..	..	..	..	..	..	Estimate is awaited.
	Presidency.	Bangalore.	53	Quarters for a Conductor, Transport Department.	C	..	4,220	..	..	..	..	..	..	..	..	Do.
Fortifications.	Presidency.	Bangalore.	54	Fortified post at Agram.	A	5,000	..	..	..	..	..	..	..	..	..	Estimate of Rs. 37,300 sanctioned in G.O., No. 1250 W., dated 29th May 1885. Further estimates are said to be under preparation.
	North Arcot.	Vellore ..	55	Drawbridge and gate for the Fort at Vellore.	B	..	6,450	..	..	..	..	..	..	..	..	Estimate of Rs. 6,450 sanctioned in G.O., No. 528 W., dated 7th March 1885.
				Total ..	..	1,08,872	3,25,250	4,34,122	1,00,000	5,34,122	3,50,000	2,03,348	8,840	..	10,96,310	

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 1886-87.

Division or district.	Station.	Description of buildings, &c., and for what corps, departments needed.	Approximate estimate of cost.	Remarks by the Commander-in-Chief.
Eastern district.			RS.	
	Fort St. George	Store-room, forge workshop—Arsenal.	520	When funds are available.
	Do. ...	Railings to miscellaneous workshop, &c.—Arsenal.	790	
	Do. ...	A new bridge across trench in new park—Arsenal.	810	
	Do. ...	Improving store godowns—Arsenal.	700	Very necessary. Estimates already sanctioned by Government.
	Do. ...	Improving store godowns—Arsenal.	847	
	Do. ...	Alterations to lower story barracks for armourer shop.	2,367	Very desirable.
	Do. ...	Mess-house verandah—Completion of.	1,900	
	Do. ..	I. Room alterations for theatre.	1,000	When funds are available.
	Madras ...	Ordnance store-room—Beach ...	1,250	Necessary.
	Do. ...	Huts, infectious disease—Station hospital.	750	When funds are available.
	Do. ...	Dispensary—Veterinary Department, Body Guard.	1,300	
	Do. ...	Regimental school—Perambúr lines, Madras Infantry.	1,375	
	Do. ...	Armourer shops — Perambúr lines, Madras Infantry.	2,000	
		Commissariat Department.		
	Madras ...	Godown, wheat, &c.	1,785	When funds are available.
	Do. ...	Drainage—Bakery premises ...	950	
	Do. ...	Gram-boiling shed—Mule lines.	1,500	
	St. Thomas' Mount.	Commissariat—Well, &c., Public Cattle Depôt.	1,200	
	Do. ...	Royal Artillery—Lightning-conductor magazine.	1,500	Most important.
	Do. ...	Line houses—Horse lines ...	1,542	Very necessary. Estimate before Government.
	Do. ...	Closing up archway, gun-shed—P Battery, 1st Brigade.	560	Very necessary.
	Do. ...	Reconstruction latrines, family quarters — Q Battery, 1st Brigade.	...	In progress during the current official year. Item No. 25 of Appendix B to G.O., No. 1563 W., dated 6th July 1885.
	Do. ...	Improvements to Sergeant's quarters—Reserve Powder Magazine.	530	*Vide* G.O., No. 1233 W., dated 28th May 1885. Very necessary.
	Pallávaram ...	Armourer shop—Madras Infantry.	820	When funds are available.
	Do. ...	Camp Equipage store—Madras Infantry.	1,500	
	Do. ...	School—Madras Infantry ...	1,230	
	Poonamallee...	Alteration—Barracks	1,000	
	Do. ...	Wall, new—Family quarters ...	1,000	
	Vellore ...	School-house—Madras Infantry.	2,150	Very necessary. Already sanctioned by Government.
	Vizianagrum.	New magazine— do. ...	1,530	Very necessary.
	Do. ...	Armourers' workshops—Madras Infantry.	900	Do.

9/1861

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, departments needed.	Approximate estimate of cost.	Remarks by the Commander-in-Chief.
Eastern district —*cont.*		*Commissariat Department*—cont.	RS.	
	Vizianagrum.	Improvements to hospital—Madras Infantry.	515	When funds are available.
	Do. ..	Improvements to ventilation—Madras Infantry.	545	
	Berhampore ..	School-house	1,390	Should not be postponed any longer; funds allotted in current year were withdrawn.
Bangalore division.	Bangalore ...	Royal Artillery—Latrine, Staff Sergeant's quarters, Royal Horse Artillery.	2,100	Very necessary on sanitary grounds.
	Do. ...	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	
		British Cavalry.		
	Bangalore ...	Stone drains—Staff Sergeant's quarters.	564	Necessary. Estimates already sanctioned by Government.
	Do. ...	Two Riding schools	1,156	
	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.
		British Infantry.		
	Bangalore ...	Latrine for followers ..	1,600	Necessary.
	Do. ...	South station hospital—Quarters for men of Army hospital, Native corps.	924	
	Do. ...	North station hospital—Quarters for men of Army hospital, Native corps.	756	
		Native Infantry west lines.		
	Bangalore ...	Improving place of arms and hospital.	700	
		Commissariat Department.		
	Bangalore ...	Improving Staff Sergeant's 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.
		Transport Department.		
	Bangalore ...	Additions to accommodation in Transport lines.	1,545	Urgently required.
	Do. ...	Converting Sergeant's quarters into Sub-Conductor's quarters.	1,000	Very necessary.
	Wellington ...	Renewing floors of latrines and school-block.	1,680	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, departments needed.	Approximate estimate of cost.	Remarks by the Commander-in-Chief.
			RS.	
Bangalore division—*cont.*	Wellington ...	Water-supply to bath-rooms, hospital.	600	Desirable. Estimate before Government.
	Do. ...	Bath-rooms for Pay Sergeant ..	2,350	Very necessary.
	Do. ...	Flooring passages from married quarters to latrine.	1,000	
	Do. ...	Enlarging purveyor's stores ..	2,000	
	Do. ...	Cooking stoves for Staff Sergeant's quarters.	600	
	Pódanúr ...	Repairs to the rest-house buildings.	850	
Ceded districts.	Bellary ...	Alterations and additions to Armourers' shop—Light Cavalry Regiment.	700	Urgently wanted. The execution of this work will do away with necessity for new building.
	Do. ...	Renewal floor No. II Magazine, Fort.	616	Very necessary.
	Do. ...	Reflooring Commissariat store-rooms with asphalte.	670	
Western district.		*European Infantry.*		
	Cannanore ...	Station hospital—Sinking well.	700	Strongly recommended.
	Malápuram ...	Converting beer godown into a gymnasium for detachment	790	All very necessary.
	Do. ...	Converting recreation room into cook-house.	514	
	Do. ...	Converting wood godown into a bakery.	595	
	Do. ...	Providing a platform and pump to well.	1,110	
	Calicut ...	New slaughter-house	2,020	All urgent works.
	Do. ...	Converting cook-room into a bakery.	840	
	Do. ...	Converting family quarters into Commissariat Sergeant's quarters.	650	
	Quilon ...	A new magazine—Madras Infantry.	2,380	Very much wanted.
	Do. ...	Renewing floor of hospital ...	1,970	Desirable.
	Do. ...	An Armourer shop—Madras Infantry.	1,700	When funds are available.
	Mangalore ...	Reflooring hospital—Madras Infantry.	695	
	Do. ...	Additions to Armourers' workshop.	790	
	.....	Lump sum provision for works costing below Rs. 500 each.	14,794	
		Total ...	1,00,000	

Ootacamund,
7th October 1885.

(Signed) R. C. STEWART, Brigadier-General,
Quartermaster-General.

10/1861

20th October 1885, No. 2446 W., Public Works.

PUBLIC WORKS DEPARTMENT.

General.
Account.

Letter—from

Colonel J. SHAW-STEWART, R.E.,
Secretary to the Government of Madras,
Public Works Department,

To

The SECRETARY to the GOVERNMENT of INDIA,
Military Department.

Sir,

In forwarding the marginally-noted Proceedings of this Government, with schedules of demands on account of military works for 1886-87, I am directed to solicit the special attention of the Government of India to paragraphs 3 and 4 of the Quartermaster-General's letter No. 2863 A, dated 4th September 1885, printed in Proceedings, No. 2137 W., dated 14th September 1885, conveying the strong recommendation of His Excellency the Commander-in-Chief for a specially liberal grant under this service, so that many important works now held in abeyance for want of funds may be undertaken in the ensuing year.

G.O., No. 2137 W., dated 14th September 1885.
G.O., No. 2445 W., dated 20th October 1885.

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

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

Fort St. George,
20th October 1885.

Exd. J. Henrious.
Spare Copies

11/186

GENERAL.
ACCOUNT.

Govt. of (1885) Madras.

PUBLIC WORKS.

Dated October, 20th.

Recd. *Regd.* /

20th October 1885, No. 2446 W.

OCTOBER.

Schedules of Military requirements for 1886-87

Forwarding —.

Military Works
Budget 1886/87.

Read the following letter

QUARTER MASTER GENERAL'S OFFICE,
Ootacamund,
7th October 1885.

No. 335/A

From

THE QUARTER MASTER GENERAL,

To

THE SECRETARY, TO GOVERNMENT,

Public Works Department.—

SIR,

I have the honor to forward herewith Schedules of requirements in Military Works Major and Minor in view to provision being made to such extent as is possible for them in the Public Works Department Budget for 1886/87.—

2 The Major works have been classified as noted below, the works in Class B being entered in order of their urgency while these in Class C, are grouped according to Commands.

Class A.— Works commenced, for completion of which grants are required—

Class B.— Works of special urgency not yet commenced, for which grants are required.—

Class C.— Works of less urgency but for which provision should be made as funds are available.—

3

3. The following remarks, regarding works in Class B, are submitted for the special Consideration of Government:–

(1) Gymnasium British Infantry Fort Saint George–

(2). Addition to Mily: Prison Bangalore

I. The urgency of items Nos: 1 and 2 has been pressed upon Government for 2 years past and it was only the special demand for retrenchment in the Current year that has interfered with their execution.–

(3) Drawbridges &ca Fort Vellore.–

II. Item No. 3 is a defence work the necessity of which was urged by Sir F. Roberts with whom the Provincial Commander in Chief fully concurs in opinion– It would have been carried out in Current year had it not been for the restrictive orders mentioned in the previous para.–

(4) Improving Water Supply, British Infy Barracks, Bellary–

(5) Store room and workshop Pioneer, Bangalore.–

(8) Accommodation 1 Madras Infy Regt Bangalore.–

(9) Accommodation for women in Hospital Wellington–

(14) Coffee Shops, R. A, Saint Thomas' Mount.–

III. The urgency of items Nos: 4, 5, 8 9 and 14 was mentioned to Government last year and General Rowlands hopes that funds for them will be found in the next budget.–

(6) New Store room Madras Infantry Trichon–

IV. Item No: 6, is one which must be provided for as the existing Store Room is in a very bad state.–

(7) Alterations to Racks in Magazine St Thomas' Mount.

V. Item No: 7 is a new work the necessity for which has just arisen in connection with providing properly for storage of powder near Madras– the Veysurpady Magazine having been condemned.– By the proposed alterations in the Magazine at Saint Thomas' Mount, it will be possible to store 2044 additional barrels of powder there: this work should therefore not be delayed.–

(10) Improving Water Supply Fort Saint George.–

VI. Item No: 10 is a work connected with the use of the Fort as a place of defenc and should be provided for, as until it is carried out the Garrison of the Fort cannot depend on a supply of good water being stored for its use in time of need.–

(11) Wall round Gun Powder Factory, Madras.–

VII. Item No: 11 is a work which has been sanctioned by the Government of India, and though it is not yet decided whether it shall be carried out or whether an entrenchment shall take its place, it woul be as well that funds should be provided for it in the coming year.–

VIII

No 3 14/1861

VIII. Item No. 12 is a work the necessity for which has been brought forward for several years by the Ordnance Department and should not be delayed.—

(12) New wheel Shop Gun Carriage Factory.—

IX. The old Quarters having been dismantled as they were found to be unsafe the work of their reconstruction, item No. 13, should be carried out as soon as possible for it is very essential that Medical Subordinates should live near their work.—

(13) Reconstruction Apothecaries Quarters Station Hospital Bellary

X. It is not yet quite decided whether an Ordnance Depôt is to be maintained in the Entrenchment at Bangalore or not, but as the buildings would have to be provided at once, if the depôt is to be maintained Item No. 15 is included in the list of works of special urgency.—

(15) Additional Buildings Ordnance Depôt Entrenchment Bangalore—

4. The length of the Schedule of Minor works speaks for itself and will confirm the remarks made in this Office letter No. 2863 A of 4th Ultimo on the subject of these works, it being noted moreover that in this Schedule the numerous works costing under Rs. 500/. are not included.—

5. This fact reminds the Provincial Commander in Chief of the necessity for asking that in future years Government will be good enough to provide a sufficiently large grant for these minor works costing Rs. 500/. and under, to enable allotments to be made not only to General Officers Commanding Divisions and Districts, but to the Commissary General and Inspector General of Ordnance so that those Officers may be in a position to arrange for execution of works of this nature in their respective Departments without trenching on the allotments of General Officers Commanding.—

I have the honor to be
Sir
Your obed.t Servant,

W Stewart Brig.r General
Quarter Master General—

J.D.E.

15/1861

~~MILITARY~~ P.W. 1885. DEPARTMENT.

Mcly 8804

(17)

From

THE QUARTER MASTER GENERAL,

To

THE SECRETARY TO GOVERNMENT,

~~MILITARY~~ P.W. DEPARTMENT.

No. 3351 A

Dated 7 October
Received 9

ENCLOSURES.

Submitting Schedule of requirements for Mily Works in 1886/87 —

To [illegible]

[illegible]

7.10.85

O. L. S. 35/10

Sent to Examr 16.10.85 R. 20.10.85

No 2316 D. 13.10.85
G. O. No 2137 W. 14.9.85
" " 2556 W. 18.10.84
" " 2557 W. 18.10.84
B. No 1673 W. 18.7.85.

KEEP-WITH Genl. No.

dated 188 .

P. W. C. No 8991

[Form No. viii.]

(17)

Recd. 15/10/85

GOVT. OF MADRAS. ~~188~~5. P. W. DEPT.

B/1881

EXAMINER, P. W. ACCOUNTS.

Madras, 14th October 1885.

OFFICE NOTE No. 565

Em. [illegible]

To

W.

Your O.N.No. 2316 D. dated 13th. October 1885,

The List of Military Minor Works is herewith returned. None of the works entered therein have been completed, and the following is the only work under construction.

" Reconstruction of Latrines, Family Quarters Q/1st, at Saint Thomas Mount".

G.

2445
2446 W

Em 14/10

14/10

(15)

A/

No. 2445 W.

Genl
Accts

PUBLIC WORKS DEPARTMENT.

17/1886

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the [illegible]

READ the following

From the Quarter Master General. H. E. No: 3351 A d/ 7th October 1885.
Office note from the Examiner of P. W. Accts. H. E. No: 565 d/ 14th October 1885.

Ordered that the schedules of Military requirements on account of the Public Works Department, in the Madras Presidency for 1886-87, be forwarded to the Government of India, in the Military Department.

Ordered also that the lists of Military works be printed and circulated to Superintending Engineers, in view to the necessary plans and estimates being prepared and submitted at an early date for the unsanctioned works included in the lists. ~~and submitted for sanction~~

H. E. No: [illegible] W d/

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

Sir,

In forwarding the marginally[x] noted Proceedings of this Government, with

[x] G. O. No: 2137 W d/ 14th Septr 1885.
G. O. No: 2445 W d/ 20 October 1885.

with schedules of demands on account of Military works for 1886-87, I am directed to solicit the special attention of the Government of India to paras 3 and 4 of the Quarter Master General's letter No: 2863 A dated 4th September 1885, printed in Proc. No: 2137 W dated 14th September 1885, conveying the strong recommendation of His Excellency the Commander-in-Chief for a specially liberal grant under this service, so that many important works now held in abeyance for want of funds may be undertaken in the ensuing year.

Oct: 15: 1885

(17)

18.10.85

Despd
24/10/85

Print on [illegible] paper
20/10/85

W
20/10

Despd
26/10/85

To

Supdg. Engineers &
The Examiner P.W. Accts
" Military Department
" Financial Department

Sk Cotes 17/10.

18
1861

8804

Govt. of 1885 Madras.

PUBLIC WORKS

Secy 20/10/85

Dated

Recd.

Recd.

G.O. [illegible] 1885. No. 2445 W

[illegible]

Schedules of M. E. Re-
quirements for 1886/87

Orders in —

Schedules of M. E.
Requirements for
1886/87 — 140/12

Forwarding — 40/2

1/40 PM

Sd 20/10
3-10 PM

20/10

1900 [illegible]

M. O. 18

Heading. Accounts

No. 1209 M. W.

Government of India.

15/1886

MILITARY DEPARTMENT.

It is requested that the above heading, with number and date of this communication, may be quoted in any subsequent correspondence on the subject.

Simla, the 28th October 1885.

To

THE SECRETARY TO THE GOVERNMENT OF MADRAS,
PUBLIC WORKS DEPARTMENT.

Sir,

9571

With reference to the Resolution of the Government of India No. 1208 M. W. dated 27th October 1885, notifying the provisional distribution of the Imperial Grant for Military Works in 1886-7, I am directed to state that no Schedule of Demands for the Madras Presidency having been received up to date, though due in this Office not later than the 10th October, the same amount has been provisionally allotted as in the current year.

2. I am to draw attention to the grave inconvenience caused to the Government of India by this unpunctuality in the submission of the Schedule of Demands; and I am to request that under the orders of the Governor in

Who is responsible?

2nd [illegible]

Incl. 9573

in-Council the Preliminary Issue of the Budget may reach the Government of India without fail on or before the prescribed date, i.e. 15th January.–

4 NOV 85

Recd 4/11/85.

I am,

Sir,

Your most obedient servant,

O.N. 2137 Wd/14.9.85.
" " 2556.7 Wd/18.10.84
(with insft)

J. Newmarch Colonel

Offg: Secretary to the Govt. of India.

J.H.K.

Vide C? 9571 [illegible]

2445/2446 W of 20/10/85
2556/2557 W of 18/10/84
2374 of 14/9/85

~~Copy to.–~~

~~the Accountt. General, Public Works Departt.~~

B/

No. 2788 W.

(1861)

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the [illegible]

READ the following

From the Govt. of India Military Dept. H.E. No. 1209 Wm dated 28th October/85.

Communicated to the Military Department, for the information of the Provincial Commander-in-Chief.

2. The schedule of demands on account of Military Works for 1886-87 was submitted to the Government of India with this department letter No. 2446 W dated 20th October 1885, enclosing Proceedings of Government No. 2445 W of the same date, but ~~it should~~ in accordance with rule that schedule should have reached ~~them~~ the Government

Government of India, on or before the 10th October 1885; the delay having been due to the receipt from the Qr. Mr. General only on the 7th October 1885 of the statement of new works proposed for execution during the year.

3. In accordance with the express desire of the Commander-in-Chief, ~~an appeal~~ a request was made to the Govt of India for a specially liberal ~~allotment~~ grant for Military works during 1886-87; but, owing to the late submission of the schedule of demands, the grant was fixed by that Government at the usual sum of Rs 6,50,000 before that request came under their

their consideration. 2)

4. The requisite orders will now issue in the Military Department to insure the punctual submission of the statement of new works ~~for future years~~ on or before the 10th September in future as prescribed in rule III para 1694 of the P.W. Code.

(Secretary Mily Deptt for favor of similar initials)

19.11.85

20.11.85

Despd 21/11/85

To
The Military Dept. √

Sent 18/11/85

22/1881

Issue soon

B.H. 24/11

No. 2788 W.d/. Novr. 21. 188

[illegible]

23/1861

Superintending Engineer's Office 4th Circle.

Coimbatore 28th March 1887.

No. 153/E.W.

FROM,

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

TO,

The Chief Engineer
P. W. Department

SIR,

With reference to your endorsement No. 1140 C of 24th instant, I have the honor to request you will be so good as to return the Plan of 2 solitary cells proposed to be constructed at Quilon.

2. The papers received with your Memo were the Estimate, Report, specification and site plan, but not the plan of the buildings.

I

Quarter Master Genl.

74/1861

I have the honor to be
Sir
Your most Obt. Sert.
L. Beatty - Col. R.E.
Supg Engineer 4 Circle

P.W.C. No. 2560

FROM

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

P. W. Dept.
To be returned with reply.

Dated. } 28th March 1887.
Recd: } 30.3.87

No. 153/E.W.

ENCLO:

Plan of Solitary cells — Requests to return the — proposed to be constructed at Quilon.

Endorsed

No. 1255 C of 1st April 1887.

Referred to the Military Department, in view to the plan being obtained from the Quarter Master General's Department, if available.

It was not among the papers &c transferred with Military Department Endorsement No. 2136 dated 14th March 1887.

J. Hasted Colonel R.E.
Secy. to Govt. P.W.D.

30.3.87

QUARTER MASTER GENERAL'S OFFICE,
Ootacamund,
29th March 1887.

No. 1436.A.

27/1861

From
BRIGADIER GENERAL E. FAUNCE,
MASTER GENERAL,

TO GOVERNMENT,
MILITARY DEPARTMENT.

warding the accompanying plan
cells proposed to be constructed
have the honor to request that it
ted for the site plan attached
&ca forwarded with this Office
Instant, and the latter re-
office.

I have the honor to be
Sir
Your obedt. Servant
E. Faunce
Brigr. Genl,
Quarter master Genl.

Cr. P.W.C. No. 3098/87

No. 2297

Military Dept.
20th April 1887.

25/1861

21 APL 87

Returned as requested in Memo. No. 18 D. dated 18th April 1887.

A. Kenney Herbert Br. Genl.
Secretary to Government.

Recorded 21/4/87

To The Public Works Dept.

21/4/87

P.W.C. No. 2560

No. 1255 C of 1st April 1887.

Referred to the Military Department, in view to the plan being obtained from the Quarter Master General's Department, if available.

It was not among the papers transferred with Military Department Endorsement No. 2136 dated 14th March 1887.

J. Hasted Colonel R.E.
Secy. to Govt. P.W.D.

30.3.87

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

P. W. D
To be return
reply.

Dated.
Recd: 3

Plan
Requ
– pro
– struc

Endorsed

1142 C 87 11·3·87
1255 C 87 1·4·87
2788 W 87 21-11-85 = B
2445/2446 W 87 20·11·85 A
2497/2498 W 87 25·9·86
180 87 18·4·87

O.S. 91/W
2/11·5·87

QUARTER MASTER GENERAL'S OFFICE,
Ootacamund,
29th March 1887.

No. 1436.A.

27/1881

From
BRIGADIER-GENERAL E. FAUNCE,
~~The~~ QUARTER MASTER GENERAL,

To
THE SECRETARY TO GOVERNMENT,
MILITARY DEPARTMENT.

SIR,

In forwarding the accompanying plan of two new solitary cells proposed to be constructed at Quilon, I have the honor to request that it may be substituted for the site plan attached to the Estimate &ca forwarded with this office No. 1142 A of 11th Instant, and the latter returned to this office.

I have the honor to be
Sir
Your obedt. Servant
E. Faunce
Brigr. Genl.,
Quarter master Genl.

Complete file

[illegible] [illegible] 2788w a/ 21-11-85

A. 2445w / 2446 a/ 20-10-85

2497 / 2498 w a/ 25-9-86

28/1861

No 1255 C 1-4-87
Do No 2788 W 21-11-85
Do 2445 W / 2446 W 20-10-85 Engr
" 2497 W / 2498 W 25-9-86.

No 2043 Transferred to the Public Works Dept for favor of compliance with reference to M.D. No 1513 dated 14 Mar 87.

(By order)

A Kenney Herbert Brig. Genl
Secy to Govt.

Ootacamund
6 April 87

6/4/87
[illegible]

1140 C dy 24-3-87.
1255 C dy 1-4-87
2788 W dy 21-11-85 B.
2445 / 2446 W dy 20-10-85 A
2497 / 2498 W dy 25-9-86

M 6.4.87

OLS 12/iv

Resubmitted WO 14-4-87

Military 2833

Military (1887) Department.

No. 2090

From

THE QUARTER MASTER GENERAL,

To

THE SECRETARY TO GOVERNMENT,
MILITARY DEPARTMENT.

No. 1436.A

Dated 29 } March.
Received 31 }

Recd 9/4/87

1E

No 1803 dy 18 April 1887

ENCLOSURES one plan

Forwards plan of the new solitary cells to be constructed at Quilon to be substituted for the site plan forwarded with this office no: 1142 A dy 11th Instant.

PW Department

D/ No 1803 dy 18 April 1887

Memo

29/1801

Letter from the Quarter Master General No 1436 A dated 29th March 1887.

Endorsement of the Military Department No 2043 dated 6th April 1887

The plan will be forwarded to the Supply Engineer IV Circle with reference to his No 1538 dated 28th March 1887, and the Military Department informed that no action is necessary on this office No 1255 C dated 1st April 1887, the letter s requested.

Ja
16/4/87

Eco

Wern
13.4.87

No 18 D of 15th April 18

Supg Engineer IV Circle
with the plan
Military Department

Despatched 19/4/87

Public Works Department.

30/1861

Current No. 4609

Letter No. 248 M.

Dated the 14 June 1887

From the Supg: Engineer IV Circle

Wern 23.6.87

Note of Remarks.

The accompanying revised plan and Estimate are submitted for constructing two solitary cells at Quilon at a cost of Rs 1312 -

The plan and Estimate first submitted were returned to the Supg: Engineer with this Office Endorsement No 1140 C d/24th March 1887 for explanation as to why the Standard design was departed from.

The plan and Estimate now submitted have been prepared in accordance with the Standard design with this Exception viz that a tiled roof has been adopted instead of a terraced roof, the deviation has probably been made to suit the climate.

The revised plan and Estimate do not appear to have passed through the Military Depts: this however may not be necessary as the necessity for the cells have been acknowledged by the Military Authorities in the previous papers and the plan is a Standard design.

The Scantlings are correct, and the rates are fair with one Exception viz filling in ~~[illegible]~~ basement, the quantity of Earth required is 182 cft at Rs $3\frac{1}{2}$ per 1000 c feet equals 10 ans 3 pice whereas the Estimate provides Rs 64 for this item

180

The unit given in the Estimate is 100 cft at Rs $3\frac{1}{2}$ even if this unit was accepted the total cost of filling in basement should only be Rs 6.5.11.

The necessary corrections has been made in pencil and the total amount has been reduced from Rs 1312 to Rs 1248 and will be inked in red if approved.

Yes

23.6.87

22/6/87

As the Mil'y Depts approved of the Est of Rs 1640 for two separate cells; the plan & Est for two cells combined should now be sent 2 them.

23.6.87

Please mark in and return to me - F.B. 23/6

1887.

P. W. DEPARTMENT.

Current No. 4609.

From

The Supt^g Engineer, IV Cir.

ENCLOS.— 3*
*1 plan

No. 248/C.W.
Dated 14th June 1887
Received 17th — " —.

SUBJECT.

Solitary Cells at Quilon.

Submitting an alternated estimate of Rs. 1245 for constructing two — on the standard design.

DISPOSAL.

No. 265 D. Dated 17 June 1887.

Forwarded for the approval of Govt. in the Military Dept. with reference to No. 1669-C dated 16 May 1887, which, together with original papers, is forwarded for reference.

2. The return of the complete file is requested.

(Sd) J. V. Hartel [?] R.E.
Secy. to Government

B.S. 1654

The Mily. Dept.
with complete file

desp^d 17/6/87

---

e other rates are fair.

he site plan and estimate

e countersigned by the

arter Master General

are approved in the

Military Department.

3/87

f. 33 D of 21.4.87
" 18 D " 15.4.87
34c 2788 W of 21.11.85
" 1255 C of 1.4.87
" 1140 C of 24.3.87
5. 2497/2496 W of 25.9.86

32/1861

Public Works Department.

36/1861

Current No. [redacted] 2738
Letter No. 1513
Dated the 14th March /87
From the Secy to Govt Military Dept

NOTE OF REMARKS.

he accompanying estimate
ith site plan, provides for con
structing two solitary cells for
he Native Infantry at Quilon.
he estimate amounts to Rs. 1640.

The site chosen for the proposed
w cells is nearer the barrack
than that of the existing old
ells which are to be dismantled,
nd has the approval of the
Barrack Committee

The plan on which the proposed
ew cells are to be built is not
mitted but those documents
that are make it certain
that they are to be constructed
ines totally different from
of the standard design
or solitary cells for Native
fs. But standard
is a terrace

he other rates are fair.

The site plan and estimate
re countersigned by the
uarter Master General
s are approved in the
Military Department.

18/3/87

1861

additional latrine accommo-
-tion 4 feet square. And the
cells are built in pairs.—
By the present proposal each
of the solitary cells is to form
a flat roofed building consisting
of a main room 8 feet square & a bath
a verandah room 8 feet × 4 feet.
And the site plan shows that
each cell is to stand separa-
No doubt good reasons exist for
the proposed adoption of the greatly
altered lines but what those
reasons are should have been
stated. (*vide* Code para 167).
4. The masonry of the new cells is
to be laterite-in-mortar; the
flooring is to be an asphalte cov-
1 inch thick over a concrete bed
6 inches thick. The roof is to consist
of Mangalore tiles over a ceiling
of planks ¾ inch thick, and the
doors and ventilators are to be
cross barred —
5. The high percentage of
per cent

the other rates are fair.
6. The site plan and estimate
are countersigned by the
Quarter Master General
and are approved in the
Military Department.

18/3/87

C No 2136

Solitary Cells at Quilon

89/1881

The S.E. IV might be asked why it is proposed to construct the cells on ~~totally~~ different lines to the Standard design.

WCM
21.3.87

JCC
21/3/87

SAW

DW

1887

P. W. DEPARTMENT.

Current No. 2136

From The Mily: Dept.

Enclos.— 6
(1 plan)

No. 1513

Dated 14th March 1887

Received 16th — " —

SUBJECT.

Transferring letter from the Qr. Mr. Genl forwarding for sanction &c. Estimate plan &c for constructing 2 solitary cells for the M. I. Regiments at Quilon.

DISPOSAL.

No. 1840 Dated 24th March 1887

Referred to the Supdg. Engr. IV Circle for favor of explanat[ion] as to why it is proposed to construct the cells on totally differen[t] lines to the Standard design.

(B.O.)

(Sd) W. L. C. Baddeley, Captn. R.E.
Under Secy. to Govt. P. W. Dept.

Despd. 24/3/87 with 6 Encs.

C No 2136

Solitary Cells at Quilon

"The S.E. IV might be asked why it is proposed to construct the Cells on ~~totally~~ different lines to the standard designs.

MOR
21.3.87

Toll
21/3/87

SAW

35/1861

N^os. 2497/2498 W d/ 25-9-86

No. 2788 W - 21-9-88

1887.

P. W. DEPARTMENT.

37/1861

Current No. 2560

From The Supdg. Engr: IV Circle

Enclos.—

No. 153 S.W.

Dated 28th March 1887

Received 30th — " —

Subject.

Plan of Solitary Cells — Requests to return the — proposed to be constructed at Quilon —

Disposal.

No. 1255 C Dated 7th April 1887

Referred to the Mily: Dept in view to the plan being obtained from the Qr. Mr. Genl's Dept, if available.

It was not among the papers transferred with Mily: Dept Endorsement No. 2136 d/ 14th Mar [illegible] 1887.

(Sd) J. O. Hasted, Col. RE
Secy to Govt P.W. Dept

C No 2436

Solitary Cells at Orn

The S.E. IV might be as
why it is proposed to con
the Cells on ~~totally~~ diff
lines to the Standard de

21. 3. 87

Jell
21/3/87

SAW

37/1861

No. 1140 C97 24-3-87

Nos. 2497/2495 Wr. 21-9-86

No. 2788 Wr. 21-9-85

Nos. 2445/2446 Wr. 20-10-85

Appendix to G.O. No. 2465 W dated 20th October 1885

Buildings & Roads

Schedule of the probable requirements of the Madras Presidency on account of Imperial Military Works for 1886-87

Head of classification	Executive Division	Locality	Item No.	Projects and Works	Class	Original Works Major Works Works in progress	New Works	Total	Minor Works	Total	Repairs	Establishment	Tools and Plant	Suspense	Grand Total	Remarks
						94,469	206,431									
8	6	6	3	12	2		4	4	4	4	4	4	3	3	4	12
Ordnance Works	Presidency	Fort Saint George	39	Armament of Fort Saint George	A	2,964	✓									Estimate of Rs 42,035 sanctioned in G. O. No: 2970 W d/ 19th October 1883, Item No: 4, Class A Works, Budget of 1885-86
	Do	Madras	40	Alterations in the Coast Batteries	A	6025 ✓										Estimate of Rs 14,265 sanctioned in G. O. No: 2126 W dated 11th September 1885
	Chingleput	St Thomas Mount	41	Alterations to racks in the ordnance magazine	B	~~[illegible]~~	2,505 ✓									Estimate of Rs 2505 sanctioned in G. O. No: 2416 W d/ 15th October 1885
	Presidency	Madras	42	Wall round the Gun Powder Factory	B		10,050 ✓									Estimate is awaited ✓
	Do	Do	43	New Wheeler shop, Gun Carriage Factory	B		7,370 ✓									Estimate of Rs 7,370 sanctioned in G. O. No: 2570 W d/ 17th November 1884 Item No: 36 Class B works, Budget of 1885-86
	Do	Bangalore	44	Ordnance Depot Buildings, Entrenchment, Bangalore	B		4,823 ✓									Estimate is awaited ✓
	Do	Madras	45	Extra accommodation as store room in the Gun Carriage Factory	C		6,000 ✓									Estimate is awaited ✓
	Do	Madras	46	Improvements to the barrel machine shop of the Gun Carriage Factory	C		2061 ✓									Estimate of Rs 4030 sanctioned in G. O. No: 2418 W d/ 16th September 1882.
Commissariat Buildings	Nilgiri	Wellington	47	Bakery	A	414 ✓										Estimate of Rs 32000, sanctioned in G. O. No: 1838 W d/ 29th July 1884
	Presidency	Madras	48	Constructing a shed in the Camp Equipage Depot	C		5300 ~~6000~~ ✓									Estimate is awaited ✓
	Do	Do	49	Lines for Transport Attendants	C		48,000 ✓									Estimate is awaited ✓
	Do	Do	50	Workshops and sheds for carts, doolies, &c a Transport Departments	C		5,500 ✓									Estimate is awaited ✓
	Chingleput	Guindy	51	Converting the late Superintending Engineer's office at Guindy into a slaughter house	C		11,800 ✓									Estimate of Rs 11,800 sanctioned in G. O. No: 1399 W d/ 12th May 1884, Item No: 43 Class C Works, Budget of 1885-86
						1,13,872	3,07,840									

Appendix to G. O. No. 2415 W dated 20th October 1885

Buildings & Roads.

Schedule of the probable requirements of the Madras Presidency on account of Imperial Military Works for 1886-87

1861

Head of classification	Executive Division	Locality	Item No.	Projects and Works	Class	Original Works Major Works Works in progress	New Works	Total	Minor Works	Total	Repairs	Establishment	Tools and Plant	Suspense	Grand Total	Remarks
① 2	6	6	3	12	3	4	4	4	4	4	4	4	3	3	4	15 10
						1,03,872	3,09,840									
Commissariat Buildings	Chingleput	Guindy	52	Quarters for a station butcher	C		4,740 ✓									Estimate is awaited ✓
	Presidency	Bangalore	53	Quarters for a Conductor, Transport Department	C		4,220 ✓									Estimate is awaited ✓
Fortifications	Presidency	Bangalore	54	~~Additions [illegible] to the~~ Fortified Post at Agram	A	5000										× Estimate of Rs 37,300 sanctioned in G.O. No. 1250 W d/29th May 1885. Further estimates are said to be under preparation
	North Arcot	Vellore	55	Draw bridge and gate for the fort at Vellore	B		6,450 ✓									Estimate of Rs. 6,450 sanctioned in G.O. No. 528 W d/7th March 1885
				Total		1,08,872	3,25,250	4,34,122	1,00,000	5,34,122	3,50,000	2,03,348	8,840	-	10,96,310	

43/1861

W/15/10

5

47
1861

Class A.

Works commenced, for completion of which grants are required.

Command	Station	Item	Work	Cost	Remarks
		No.		Rs.	
Eastern District	Fort St. George	1	Armament - mounting &ca.	42,000	Amounts of Estimates are given, the amounts required in next year for completing the works not being known in this Office -
		2	Beach Batteries completing	14,265	
	St. Thos' Mount	3	Barracks Royal Artillery new	1,27,750	
		4	Stabling — do — do	20,160	
Bangalore Division	Bangalore	5	Agram Entrenchment works	20,490	
		6	Accommodation - Public Buildings Native Cavalry	29,600	
	Wellington	7	Bakery - new	32,000	
	Trichinopoly	8	Accommodation - Public Buildings Two Madras Infantry Regiments	21,140	
Western Dt.	Malapuram	9	Barracks - new	1,34,214	

Quarter master Genls Office
Ootacamund, 7th October 1885.

W Stewart

Brigadier General
Quarter Master General

49
1861

Class B.

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

Command	Station	Item	Work	Cost	Remarks
		No.		Rupees	
Eastern Dt.	Fort St. George	√ 1.	Gymnasium – British Infantry	11,570.	Estimates already sanctioned by Government
Bangalore Dt.	Bangalore	√ 2.	Additions – Military Prison	8.325	
Eastern Dt.	Vellore	√ 3.	Draw Bridge &c. – Fort.	6,450.	
Ceded Dt.	Bellary	√ 4.	Improving system of water supply British Infantry Barracks	5,350	Estimate prepared
Bangalore Dt.	Bangalore	√ 5	Store rooms and Work Shops Pioneers	3.000	
Western Dt.	Quilon	√ 6	New store room Madras Infantry	9.334.	Estimate already sanctioned by Government.
Eastern Dt.	St. Thomas' Mount	√ 7	Alterations to racks in the Ordnance Magazine.	2.505	
Bangalore Dt.	Bangalore	√ 8	Accommodation – Public Buildings One N.I. Regiment	14,610	Estimate now before Government
"	Wellington	√ 9.	Hospital Accommodation – Women and Children	3.036	Estimates already sanctioned by Government
Eastern Dt.	Fort St. George	√ 10.	Improving water supply	6.445.	
"	Madras	√ 11.	Wall round Gunpowder Factory	10.000	Estimate now before Government
"	"	√ 12	New Wheeler Shop – Gun Carriage Factory		Work sanctioned, but estimate not yet submitted
Ceded Dt.	Bellary	√ 13.	Reconstructing Double Apothecaries Quarters – Station Hospital	7.350	Estimates already sanctioned by Government.
Eastern Dt.	St. Thomas' Mount	√ 14	Coffee Shops. Field Battery Upper Story Barracks R.A.	6.222.	
Bangalore Dt.	Bangalore	√ 15.	Ordnance Depot Buildings – Entrenchment – Bangalore	6.690	
				4.823.	Estimate prepared but held in abeyance pending decision of Government regarding maintenance of Ordnance Depot at Bangalore
7	6	3	11	9	9

Quartermaster General's Office
Ootacamund 7th October 1883

W Stewart
Brigdr. General
Quartermaster General

Class. C

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

51/1881

83/1861

Command	Station	Work	Cost	Remarks
Eastern Dist	Fort St George	Drainage. Fort Barracks	10,000	
"	"	Wash house outside Barracks.	2,500	
"	"	Garrison Bazaar to be done away with and new Cook houses built.	4,500	
"	St Thomas' mount	Wheeler and Collar makers' Shop - new Royal Artillery Barracks	5,660	Estimates already sanctioned by Government.
"	"	Raising roof &c. Harness Room Troop Lines	4.200	
"	Pallaveram	Mortuary Rooms - Hospitals	3,000	
"	"	Magazine N.I. Regiment	4,500	
"	Poonamallee	Lightning conductors to Hospital	3,000	Estimate before Government
"	Madras	Flushing Drains - Royapuram Madras Infantry Lines	4,300	
"	"	Extra Store room in Gun Carriage Factory	6.000	
"	"	Improving Barrel Machine Shops Gun Carriage Factory	4,030	Estimate already sanctioned by Govt
"	"	Shed for tent manufacture in Camp Equipage Depôt	5,300	
"	"	Lines for Transport attendants	48,000	
"	"	Workshops and sheds for Carts Coolies &c Transport Department	5,500	
"	"	Converting Superintending Engineer's Office Guindy into slaughter House	11,800	
"	"	Quarters for Station Butcher	[illegible]	
"	Vizianagram	Regimental Store Room. N.I.	3,480	
Bangalore Dn	Bangalore	School Master and Mistress' Quarters Royal Artillery	6,200	

1

List of Military works estimated to cost Rs. 2500 each or under and for which funds are required in the Public Works Budget for 1886/87.

Division or District	Station	Description of buildings &ca, and for what corps, departments needed	Approximate Estm.	[illegible]
Eastern District	Fort St. George	Store room - Forge workshop - Arsenal -	520	When funds are available.
	"	Railings to miscellaneous workshops "	790.	
	"	A new bridge across trench in new Park.	810	
	"	Improving store godowns - Arsenal.	700	Very necessary - Estimates already sanctioned by Government
	"	do do do	847	
	"	Alterations to lower storey Barracks for Armourer Shop.	2,367	Very desirable.
	"	Messhouse Verandah - completion of	1,900	
	"	I Room alterations for Theatre -	1,000	When funds are available.
	Madras	Ordnance store room [illegible]	1,250	Necessary.
	"	Huts Infectious diseases Station Hospital	750	When funds are available.
	"	Dispensary. Veterinary Deptt. - Body Guard -	1,300	
	"	Regimental School - Perambur Lines Madras Inf.	1,375	
	"	Armourer Shops - Perambur Lines - do -	2,000	
	"	Commissariat Department.		
	"	Godown Wheat &ca	1,785	When funds are available.
	"	Drainage Bakery premises	950	
	"	Gram boiling shed - Mule lines -	1,500	
	St. Thos. Mount	Commissariat - Well &ca Public cattle depot.	1,200	
	"	Royal Artillery - Lightning Conductor Magazine	1,500	Most important.
	"	Line Horses - Horse Lines	1,542	Very necessary. Estimate before Government
	"	Closing up arch way Gun shed R/I^n^	560	do -
	"	Reconstruction Latrines F. Quarters R/I^a^	~~625~~	~~do.~~ In progress during the current official year (Item No. 25 of appendix B to G.O. No. 1533 W/6-7-85)
	"	Improvements to Sergeants' Quarters Reserve Powder Magazine	530 ~~585.~~	~~do. Estimate before Government~~ - (vide G.O. No. 1233 W/28th May 1885) Very necessary
	Pallaveram	Armourer Shop Madras Infantry	820	When funds are available.
	"	Camp Equipage Store - do -	1,500	
	"	School - Madras Infantry	1,230	
	Poonamallee	Alteration - Barracks.	1,000	
	"	Wall new family Quarters	1,000	
	Vellore	School house - Madras Infantry	2,150	Very necessary - already sanctioned by Government -
	Vizianagram	New Magazine - do -	1,530	Very necessary -
	"	Armourers Workshops - do -	900	- do -
	"	Improvements to Hospital - do -	515	When funds are available.
	"	" Ventilation - do -	545	
	Berhampore	School House	1,390	Should not be postponed any longer, funds allotted in current year were withdrawn -
			37,738	

2

Bangalore Division.

		37,756	
Bangalore	Royal Artillery - Latrine S. S. Quarters R. H. A.	2,100	Very necessary on Sanitary grounds.
"	Quarters Battery Quarter Master Sergt. R. H. A.	1,100	Desirable.
"	Cook House Sergeants Mess Field Batteries	1,470	Necessary.
"	Latrine for men - stables. — do —	620	
"	Board Floor recreation Room. R. H. A.	1,240	
"	Stone Floor to Gun shed &ca	1,160	
	British Cavalry		
"	Stone drain o - Staff Sergeants' Quarters	564	Necessary - Estimates already sanctioned by Govt.
"	Two Riding Schools.	1,156	
"	Latrine Six Seats for men at stables	600	Very desirable.
"	Camp Equipage stores - Connecting with water supply	1,170	When funds are available.
	British Infantry.		
"	Latrine for followers.	1,600	Necessary.
"	South station Hospital - Quarters for men of army Hospital Native Corps	924	
"	North station Hospital — do —	756	
	Native Infantry West Lines		
"	Improving Place of arms and Hospital —	700	
	Commissariat Department		
"	Improving staff sergeants' Quarters	2,000	When funds are available.
"	" Sergeant Butchers' "	525	Very necessary
"	Improving road from Race Course Barracks to Slaughter House	1,400	When funds are available.
	Transport Department		
"	Additions to accommodation in Transport lines	1545	Urgently required.
"	Converting Sergeants Quarters into Sub Conductor's Quarters	1,000	Very necessary -
Wellington	Renewing floors of Latrines and School block	1,680	Necessary.
"	Water supply to Bath rooms Hospital —	600	Desirable - Estimate before Government
	Bath rooms for Qty sergeant	2,350	Very necessary
		64,016	

			64,016	
Bangalore Division	Wellington	Flooring passages from married Quarters to latrine	1,000	Very necessary.
	"	Enlarging Purveyor's stores	2,000	
	"	Cooking stoves for S. S. Quarters	600.	
	Ottamore	Repairs to the Rest House buildings	850	
Ceded Districts	Bellary	Alterations and Additions to armourers shop - Light Cavalry Regiment	700	Urgently wanted. The execution of this work will do away with necessity for new building.
	"	Renewal floor No. II Magazine Fort	616.	Very necessary.
	"	Reflooring Commissariat store rooms with Asphalte.	670.	
	Cannanore.	European Infantry.		
	"	Station Hospital - Sinking well -	700	Strongly recommended.
	Malliapoor	Converting Beer Godown into a Gymnasium for detachment	790	All very necessary.
	"	Converting Recreation Room into Cook House	514.	
Western District	"	Converting Wood godown into a Bakery	595	
	"	Providing a platform and pump to well	1,110	
	Calicut	New Slaughter house	2,020	all urgent works.
	"	Converting Cook room into a bakery	840	
	"	" Family Quarters into Commissariat Sergeants' Quarters	650	
	Quilon	A new Magazine Madras Infantry	2,380	Very much wanted -
	"	Renewing floor of Hospital	1,970	Desirable.
	"	An Armourer Shop Madras Infantry	1,700	When funds are available.
	Mangalore	Reflooring Hospital Madras Infantry	695	- do - do -
	"	Additions to armourers' Workshop	790.	
		Lump sum provision for works costing below Rs. 500 each	14,794	
		Total	1,00,000	

Quarter Master General's Office }
Ootacamund: 7th October 1885 }

M Stewart Brigr. Genl.

Quarter Master General

Read the following papers:

QUARTER MASTER GENERAL'S OFFICE,
Ootacamund, 11th March 1887.

Barracks and Buildings
Estimates.

No. 1142 A.

60/1861

12th July /87 No. 1867 [illegible]

From
BRIGADIER-GENERAL E. FAUNCE,
~~THE~~ QUARTER MASTER GENERAL,

To

THE SECRETARY TO GOVERNMENT,
MILITARY DEPARTMENT.

SIR,

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: 1640 for constructing two solitary cells for the Madras Infantry Regiment at Quilon, with plan, specification and report.

The work is included in the schedule of requirements for 1887/88 printed in Q.G. No: 2497 W of 26th September 1886, M.D. No. 6168 of 4th October 1886.

I have the honor to be
Sir
Your obedt. Servant

E. Faunce
Brigr. Genl
Quarter Master Genl

SUPG: ENGINEER'S OFFICE
No. ......
26 MAR. 87
P.W.D.
FOURTH CIRCLE

81/1861

P. C. 4th Octr 1886 Nos: 44-45 R

P.W. No 2135 Encl.

Military (1887) Department.

3448/87

Mil. 1513

No. ~~1580~~

From

THE QUARTER MASTER GENERAL,

To

THE SECRETARY TO GOVERNMENT,

MILITARY DEPARTMENT.

P. W. Dept.

To be returned with reply.

SUPG: ENGINEER'S OFFICE No. 324W 26 MAR. 87 P.W.D. FOURTH CIRCLE

No. 1142. A

Dated 11 } March

Received 14 — " —

16.3.87

SECRETARY TO GOVERNMENT P.W. DEPARTMENT MADRAS 15 MAR 87

Pro. Cir. 2135

7 ENCLOSURES. +6 (+1 plan)

Forwards for sanction an Estimate plan &c for constructing 2 solitary cells for the M. I. Regt at Quilon.

No. 1513 Approved and transferred to the Public Works Department for disposal.

(By order)

A. Kenney Herbert Lieut Col

Secretary to Government.

Fort Saint George }
14th March/87. }

p 4

No. 1140 C of 24th March 1887.

Referred to the Supdg: Engineer IV Circle for favour of explanation as to why it is proposed to construct the cells on totally different lines to the standard design.

(By Order)

W. C. Baddeley Captn 24/3/87

Under Secy: to Govt P.W.D.

Disposal K 3799

With Endorsement

No 257 West Coast Division Office,

Camp Cannanore 23d April 1887

From

A. S. Taylor Esquire,

Executive Engineer,

West Coast Division

To

The Superintending Engineer,

Fourth Circle.

Sir,

In reply to your No. 305 W.C., dated 19th instant, I have the honor to inform you that the requisition from the military authorities at Quilon was for the 'removal and rebuilding' of the two solitary cells.

2. It was supposed therefore that no change in their form was considered desirable and that two separate cells were still required.

3. On this supposition the estimate

estimate was submitted for the two cells of the same form and dimensions as the old ones, but with the nature of the roof altered to one more suitable to the climate of this Coast, as already reported.

4. This was the only reason for not adhering to the standard design which is for two cells combined.

5. An estimate will now be put in hand for two combined cells according to the standard, with the exception that a tiled roof will be substituted for a flat roof unless ordered otherwise.

I have the honor to be
Sir,
Your most obedt. servant
(By order)
A. F. Rozario
Hd Clerk Exe: Engr's Office

No. 190/E.W.

126

63/1861

Enclosures

x Herewith returned with 5 Enclosures and a plan.

Forwarded for the information of the Chief Engineer with reference to his endorsement x No. 1140 C of 24th March 1887.

An alternative estimate on the standard plan will be furnished shortly.

Coimbatore
4th May 1887

J. Beatty Colonel R.E.
Supdg. Engineer IV Circle

x with No 180 of 18/4/87, [illegible]

SUPG: ENGINEER
No 342 W.C.
26 APR. 87
P. W. D.
FOURTH CIRCLE

From
The Executive Engineer
West Coast Dn.

Dated 23d April 1887
Rd 25 do.

No. 257

Solitary cells Quilon.

Submit explanation for not furnishing estimates according to Standard Plan for

64/180

p 7

P.W.C. No. 3448

(8)

c/ No. 1669 C of 16-5-87

The alternative estimate will be awaited

The alternative estimate will be awaited

7.5.87

9/5/87

From

Colonel J Beatty R.E.
Supy: Engineer
4th Circle

Dated 4th } May 1887
Received 6 }

No. 1669 C of 16-5-87

No. 190/E.W.

Enclosures + ~~with enclosures~~
(+ 2 plans)

Mily Dept
S.E. IV. C. ✓
D.
17/5

No. 2497-EW d/25.9.86.
" 2788 W d/21.11.85
" 1160 C d/24.3.87
" 1255 C d/1.4.87
" 18 D d/1.4.87
" 33 D d/21.4.87

Solitary cells at Quilon.

Submits West Coast Division officer's letter No. 257 d/23 April/87 explaining the cause for not furnishing the estimates according to the Standard Plan for constructing

Papers at 007 with 18 D.

16-5-87

16/5

6. 7. 15.87. P. 11

Dft 12/7/87/99 A

---

n 8

Superintending Engineer's Office 4th Circle.
Coimbatore 14th June 1887.

No: 248/Ewt

65/1841

FROM,

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

TO,

The Chief Engineer
P. W. Department

Encls: 2
1 Plan
1 estimate

SIR,

With reference to your Memo No. 1669 C dated 16th ultimo, I have the honor to submit herewith an alternative estimate amounting to Rs 1312 for constructing 2 solitary cells at Quilon on the standard design; together with a plan.

I have the honor to be
Sir
Your most obt servant

J. Beatty Colonel R.E.
Superintending Engineer
IV Circle

86/1881

REQUESTED TO BE RETURNED WITH REPLY.

No. 3867

GOVERNMENT OF MADRAS.
Military Department,
Ootd. 1st July 1887.

To

The Quarter Master Genl.

Referred to His Excellency the Commander-in-Chief.

Ex: 1
PW 5327/87

(By Order.)

A. Kenney Herbert.
Brigdr.-Genl.,
Secretary to Govt., Mily. Dept.

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

1211

Barracks & Buildings
Estimates

QUARTER MASTER GENERAL'S OFFICE,
Head Quarters,
Ootacamund 6th July 1887.

68/181

No. 2377-A.

From
BRIGADIER-GENERAL E. FAUNCE,
~~The~~ QUARTER MASTER GENERAL,

To

THE SECRETARY TO GOVERNMENT,
MILITARY DEPARTMENT.

SIR,

In returning the papers received under Reference O. G. No: 3867 of 1st Instant, I am desired to convey the Commander-in-Chief's approval to the plan and Estimate amounting to Rs: 1245/. therewith received for constructing two combined Solitary Cells on the Standard plan for the Madras Infantry Regiment at Quilon in substitution of the plan and Estimate, amounting to Rs: 1640, for two separate cells, forwarded with this Office No: 1142 A of 11th March 1887.

2.

2. The plan and Estimate have been countersigned.

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

L. Hunck

Brigr. Genl.,
Quarter Master Genl.

for execution when
funds are available.

2. This sanction has
been registered as Imperial
No 19 of 1887-88, &
classified as Military
Original Works.

J.H.
8/7/87

J. Moss
11.7.87

J. [illegible]
13/7/87

[illegible]
15/7/87

S.E. IV Circle with
8 enclosures

Exy PWD with
abstracts, for [illegible]
return to the S.S.

Mily Dept

[illegible] 25-VII
[illegible]

O. 7. 15.8.87 C.C. II

41/
1881

5327 Pw

Govt. of (1887) Madras.

PUBLIC WORKS.

Dated 13/7/87

Recd. Encl. Pend 5 Pw

G.O., 12th July 1887, No 186/W

Madras Infantry Regiment at Quilon

=

Estte of Rs 1245 for constructing two solitary cells for the / sanctioned.

72

70/6

No. 6. 30 Pu.