3105. Surg 4/10/88

PWC № 11619

№ 3648 W d/ 19th Nov 1888

B/

Recorded

Recorded.

17.11.88

17/11/88

Ch

17/11

13.11.88

№ 3648 W d/ 19th Nov 1888

With Order

Mily: Buildings.

No. 7462

Government of Madras.

MILITARY DEPARTMENT,

Fort St. George, the 10th November 1888

From the Quarter Master General, to the Secy: to Government, Military Departt., No. 42558, dated Octacamund, 5th November 88.

Referring to para: 2 of O.G. Public Works Department, No. 3105. W. of 4th idem, communicated to the Commander-in-Chief under Mily: Department No. 7033 dated 29th ultimo, I am desired to state that item 2 of Class B. works in the list which accompanied this office letter No. 3268. A. of 8th September 1888 comprised the works noted in the margin two of which Government has included in its schedule under the impression that this office had omitted them.

~~Do.~~ converting old Assistant Genl's Office into Barracks for single men. 3000 Way 1-1-87	5400
Converting main Guard and Ordnance Officers Quarters into Barracks for single men 2612 Way 24-8-88	5785
Adapting Nos. 4 and 6 Field Officers and 3 Captains Quarters to Offices for Surgeon Genl. and Dy: Surgeon Genl. Her Majesty's Forces.	1160
Total	12345

Rejection intimated

Order — Communicated to the Public Works Department, with reference to O.G. No. 3105 W, dated 4th October 1888.

(True Extract)

A. Kearney Herbert

Brigr. Genl:

Secretary to Government.

SECRETARY TO GOVERNMENT. 13 NOV. P.W. DEPARTMENT, MADRAS.

To The Public Works Department.

3105. Bwj 24/10/88

PWC No 11619

No 3648 W d/ 19th Nov 88

B/

Recorded
Recorded.

17.11.88

17/11/88

Cr

17/11

K 13.11.88

No 3648 W d/ 19th Nov 1888

26/11

With Order 21/11

C. No 11619.

Note

In the accompanying letter the Quarter Master General points out that items 2 of Class B works in the list which accompanied his letter No 3268 A dated 8th September 1888 comprised the following works and that this office has included two of them in the schedule under the impression that the Quarter Master General had omitted them -

(1) Converting old Adjutant Generals office into Barracks for Single men S.O. No 3000 W d/ 9.11.87. ... Rs 5,100

(2) Converting main Guard and Ordnance officers quarters into Barracks for Single men S.O. No 2612 W dated 24-8-88 5,785

(3) Adopting No 4 and 5 Field officers and 3 Captains quarters to officers for Surgeon General and Dy: Surgeon General Her Majesty's Forces 1160

Total Rs 12,345

The Quarter Master General proposed an allotment of Rs 12,345 for sundry works in connection with the provision of increased accommodation for troops in Fort Saint George (and made reference to item No 24, Class C works, Budget of 1888-89, for which no estimate has yet been received.

If the Qr: Mr: General's

referred to the major works now enumerated in this accompanying letter for which estimates have been sanctioned, he should have given them in detail, but not lumped them together as he had done in the Schedule. The Sr. Sr. General has apparently misled this office by lumping together, major works, for which estimates have been regularly sanctioned.

As no action is necessary at present, the current may be recorded.

maj
17/11

Cn
17-11-88

MILITARY WORKS.
ACCOUNT.

Govt. of {1888} Madras.

PUBLIC WORKS.

Dated October, 4th.

Read. *Encl.*

G.O., 4th Oct. 1888, Nos. 3105, 3106 W.

OCTOBER.

Schedule of requirements on account of Military Works for 1889-90

Forwarding —.

GOVERNMENT OF MADRAS.

MARINE DEPARTMENT.

READ—the following paper :—

From R. W. BARLOW, Esq., C.S., Chairman, Harbour Trust Board, Madras, to the Chief Secretary to Government, dated Madras, 1st October 1888, No. 2672.

I have the honor to forward, for the information of Government, copy of Proceedings of a meeting of the Harbour Trust Board held on Friday, the 21st September 1888, the same having been confirmed at the meeting of the Trustees held on 28th idem.

ENCLOSURE.

MINUTES of the Proceedings of a meeting of the Trustees of the Madras Harbour, held at the Board's Office on Friday the 21st day of September 1888.

Present :

Mr. R. W. Barlow, C.S., *Chairman.*
Mr. C. E. P. VansAgnew.
Mr. A. V. D Best.
Mr. J. R. Hunter.
Mr. J. A. Boyson.
Captain H. A. Street, I.M.
Mr. George King.
Mr. Cowasjee Eduljee Panday.
V. Mahomed Shereiff Sahib, Bahadur.
M.R.Ry. S. Venkatakistnamah Chetty Garu.

Read the minutes and confirmed the proceedings of the last meeting held on the 11th September 1888.

2. Read reference from Government, Marine Department. No. C-781, dated 11th September 1888, regarding funds for the purchase of the High Court buildings by the Harbour Trust Board, and read also the Chairman's draft reply thereto to Government.

Read also Trust's resolution No. 2, dated 7th August 1888, making the tender, and also their former resolution No. 5, dated 15th June 1887, asking refusal.

Read minutes by the Chairman and Captain H. A. Street, I.M.

Resolved,—that the draft be approved and forwarded to Government.

3. Read letter from Hadjee Mahomed Abdulla Badsha Sahib, Khan Bahadur, dated 15th September 1888, regarding stone quarried by him at Pallaveram, and read also the Chairman's reply thereon, No. 2530, dated 19th idem.

Read letter from the Engineer, Harbour Trust Board, No. 850, dated 18th September 1888, on the subject.

Read also letter from Hadjee Mahomed Abdulla Badsha Sahib, dated 21st September 1888, accepting the Board's offer.

Read minutes by Captain H. A. Street and the Chairman.

Resolved,—that the stone be purchased, and that the Engineer be ordered to induct the new contractor.

4. Read letter from the Engineer, Harbour Trust Board, No. 820, dated 10th September 1888, submitting a letter from Mr. James Hart, Storekeeper, Madras Harbour Works, requesting that his contributions to the Provident Fund may be utilized for premia to a policy taken out prior to his becoming a subscriber.

Read minutes by the Chairman and Mr. J. A. Boyson.

Resolved,—that Mr. James Hart's request be complied with.

5. Read letter from the Accountant-General, Fort St. George, No. 2721, dated 10th September 1888, regarding letter addressed to Government in reference to the increments of the increase of pay to Mr. R. Deacon, Sub-Marine Diver.

Read minutes by Captain H. A. Street, I.M., Captain W. L. C. Baddeley, R.E., Messrs. Cowasjee Eduljee Panday, George King, and the Chairman.

Resolved,—that Diver Deacons' pay be raised to Rupees 100 at once, subject to the approval of Government.

6. Read G.O., Marine, No. 421, dated 29th August 1888, regarding the audit of the Board's accounts, and read also note thereon by the Chairman.

Resolved,—that the Chairman address Government.

7. Read G.O., Marine, No. 436, dated 7th September 1888, accepting Mr. Edwards' resignation as Junior Pilot to the Port of Madras.

Recorded.

8. Read endorsement, No. 435, Marine, dated 6th September 1888, from the Chief Secretary to Government, Marine Department, communicating G.O., No. 560, Revenue, dated 11th September 1888, passing orders that the Government of India should be addressed on the question whether shipping bills put in by owners and masters of native craft should be in English.

Recorded.

9. Read letter from Messrs. C. Ramanatha Moodaliar and Co., dated 15th September 1888, enquiring whether tenders will be invited for the

contract with the Madras Railway Company by the Board for landing their stores.

Read minutes by the Chairman, Captain H. A. Street, I.M., Messrs. C. E. P. VansAgnew, W. J. Eales, Cowasjee Eduljee Panday, and George King.

Resolved,—that the Chairman deal with the matter.

10. Read letter from the Presidency Port Officer, No. H-36, dated 18th September 1888, communicating orders of Government in respect to the manner in which bills of health are delivered.

Read minutes by Captain H. A. Street, I.M., and Mr. George King.

Recorded.

11. Examined statement of expenditure on the Madras Harbour Works for the month of July 1888, and comparison up to date with the sanctioned estimate.

Recorded.

12. Read G.O, No. 431, Marine, dated 1st September 1888, recording proceedings of a meeting of the Harbour Trust Board held on the 7th August 1888.

Recorded.

13. Read letter from the Acting Deputy Conservator of the Port of Madras, No. 1928, dated 21st September 1888, submitting for the approval of the Board the name of Mr. G. A. Evance, First Officer of the S. S. *Scindia* an applicant for the post of Harbour Master.

Resolved,—that Mr. Evance be appointed, subject to the approval of Govern ment.

14. Examined Madras Bank Pass-books, showing to the credit of the Chairman on Revenue account Rupees 6,422-8-0, on Construction account Rupees 14,761-13-4, and on Port Conservancy account Rupees 6,136-10-0.

Recorded.

ORDER—dated 11th October 1883, No. 479, Marine.

The Chairman is requested to report regarding Resolution No. 4.

(True Extract.)

J. F. PRICE,
Ag. Chief Secretary.

To the Chairman, Harbour Trust Board.
„ Public Works Department.
„ Presidency Port Officer.

Exd. A. Raitt.

No. 337 Bud/23rd Oct/88

Recorded

1st d/ A.R.h.

W.

No 337

Govt. of {1888} Madras.

MARINE.

Issued

Recd. *Encl.*

G.O., 11th October 1888, No. 479.

No. 337 Bud/23 10 88

OCTOBER.

Harbour Trust Board.

Requesting the Chairman to report regarding certain resolution passed at a meeting of the — held on the 21st September 1888.

GOVERNMENT OF MADRAS.

MARINE DEPARTMENT.

READ—the following paper :—

From R. W. BARLOW, Esq., C.S., Chairman, Harbour Trust Board, to the Chief Secretary to Government, dated Madras, 9th October 1888, No. 2760.

I have the honor to forward, for the information of Government, copy of Proceedings of a Meeting of the Harbour Trust Board, held on Friday the 28th September 1888, the same having been confirmed at the meeting of the Trustees held on 5th October 1888.

ENCLOSURE.

MINUTES of the Proceedings of a meeting of the Trustees of the Madras Harbour, held at the Board's Office on Friday the 28th September 1888.

Present :

Mr. R. W. Barlow, C.S., *Chairman.*
Mr. C. E. P. VansAgnew.
Mr. A. V. D. Best.
Mr. J. R. Hunter.
Mr. J. A. Boyson.
Captain H. A. Street, I.M.
Mr. George King.
Mr. W. J. Eales.
Mr. Cowasjee Eduljee Panday.
V. Mahomed Shereiff Sahib, Bahadur.
M.R.Ry. S. Venkatakistnamah Chetty Garu.

Read the minutes and confirmed the Proceedings of the last meeting held on Friday the 21st September 1888.

2. Read draft of letter to Government replying to G.O., No. 421, Marine, dated 29th August 1888, regarding the audit of the Board's accounts.

Read minutes by the Chairman, Messrs. C. E. P. VansAgnew and W. J. Eales.

Approved.

3. Read G.O., No. 2913 W., dated 17th September 1888, communicating despatch from the Secretary of State for India, approving of the Proceedings of the Government in accepting the resignation of Mr. Thorowgood and the temporary appointment of Mr. Pogson as Engineer to the Harbour Trust Board.

Read minutes by Captain W. L. C. Baddeley, R.E., the Chairman, Messrs. C. E. P. Vans-Agnew, A. V. D. Best, Cowasjee Eduljee Panday, and Captain H. A. Street, I.M.

Resolved,—that the matter lie over till next meeting.

4. Read letter from the President, Madras Municipal Commission, P. W. No. 620, dated 14th September 1888, regarding the storm-water catch-drain, and read also Chairman's reply thereto, No. 2539, dated 19th idem.

Read minute by the Chairman.

Resolved,—that the Chairman be invited to address Government in the terms of his note.

5. Read further correspondence to date with the Agent and Manager, Madras Railway Company, regarding the proposed arrangement for landing Railway stores.

Read minutes by the Chairman, Messrs. W. J. Eales, George King and Cowasjee Eduljee Panday.

Proposed by Mr. W. J. Eales and seconded by Mr. J. R. Hunter,—

"That the terms offered by Messrs. P. Ramanjooloo Naidu and Sons for carrying out the landing contract of the Madras Railway Company be accepted, subject to modification of the rates for moving and loading, cooly hire and cartage on the completion of the tramway connecting the Railway stores with the Board's lines of rails. This arrangement to terminate with the present cooly contract (1st March 1890), when public tenders will be called for."

Carried by a majority.

6. Read letter of this date from R. Veerasawmy Iyengar, Contractor for the supply of granite chips from Pallaveram Quarries, enclosing a lawyer's letter laying claim to the quarry siding on behalf of the executors of the late Cazim Ali Nakoy Sahib ; read also the Chairman's reply thereto, No. 2656, dated 28th September.

Approved.

7. Read G.Os., Nos. 444, 445 and 449, Marine, dated 15th and 18th September 1888, recording the Proceedings of meetings of the Harbour Trust Board held on the 14th and 20th August and 4th September 1888 respectively.

Recorded.

8. Read G.O., No. 457, Marine, dated 21st September 1888, stating that the Government in the Public Works Department will purchase dynamite for the Board on requisition pending amendment of the Act.

Recorded.

9. Examined Madras Bank Pass-books showing to the credit of the Chairman on Revenue account Rupees 10,489-8-0, on Construction account Rupees 5,615-1-5, and on Port Conservancy account Rupees 6,111-7-9.

Recorded.

ORDER—dated 6th November 1888, No. 506, Marine.

Recorded.

(True Extract.)

J. F. PRICE,
Ag. Chief Secretary.

To the Chairman, Harbour Trust Board.
„ Public Works Department.
„ Presidency Port Officer.

Exd. W. H. French.

Govt. of {1888} Madras.

MARINE.

Issued

Recd. *Encl.*

G.O., 6th November 1888, No. 506.

No. 3649 dtd 19th Nov 88

NOVEMBER.

Recorded

(Sd) H. Rice

Harbour Trust Board.

Recording Proceedings of a meeting of the — held on the 28th September last.

GOVERNMENT OF MADRAS.

MARINE DEPARTMENT.

READ—the following paper :—

From R. W. BARLOW, Esq., C.S., Chairman, Harbour Trust Board, to the Chief Secretary to Government, dated Madras, 9th October 1888, No. 2760.

I have the honor to forward, for the information of Government, copy of Proceedings of a Meeting of the Harbour Trust Board, held on Friday the 28th September 1888, the same having been confirmed at the meeting of the Trustees held on 5th October 1888.

ENCLOSURE.

MINUTES of the Proceedings of a meeting of the Trustees of the Madras Harbour, held at the Board's Office on Friday the 28th September 1888.

Present :

Mr. R. W. Barlow, C.S., *Chairman.*
Mr. C. E. P. VansAgnew.
Mr. A. V. D. Best.
Mr. J. R. Hunter.
Mr. J. A. Boyson.
Captain H. A. Street, I.M.
Mr. George King.
Mr. W. J. Eales.
Mr. Cowasjee Eduljee Panday.
V. Mahomed Shereiff Sahib, Bahadur.
M.R.Ry. S. Venkatakistnamah Chetty Garu.

Read the minutes and confirmed the Proceedings of the last meeting held on Friday the 21st September 1888.

2. Read draft of letter to Government replying to G.O., No. 421, Marine, dated 29th August 1888, regarding the audit of the Board's accounts.

Read minutes by the Chairman, Messrs. C. E. P. VansAgnew and W. J. Eales.

Approved.

3. Read G.O., No. 2913 W., dated 17th September 1888, communicating despatch from the Secretary of State for India, approving of the Proceedings of the Government in accepting the resignation of Mr. Thorowgood and the temporary appointment of Mr. Pogson as Engineer to the Harbour Trust Board.

Read minutes by Captain W. L. C. Baddeley, R.E., the Chairman, Messrs. C. E. P. Vans-Agnew, A. V. D. Best, Cowasjee Eduljee Panday, and Captain H. A. Street, I.M.

Resolved,—that the matter lie over till next meeting.

4. Read letter from the President, Madras Municipal Commission, P. W. No. 620, dated 14th September 1888, regarding the storm-water catch-drain, and read also Chairman's reply thereto, No. 2539, dated 19th idem.

Read minute by the Chairman.

Resolved,—that the Chairman be invited to address Government in the terms of his note.

5. Read further correspondence to date with the Agent and Manager, Madras Railway Company, regarding the proposed arrangement for landing Railway stores.

Read minutes by the Chairman, Messrs. W. J. Eales, George King, and Cowasjee Eduljee Panday.

Proposed by Mr. W. J. Eales and seconded by Mr. J. R. Hunter,—

"That the terms offered by Messrs. P. Ramanjooloo Naidu and Sons for carrying out the landing contract of the Madras Railway Company be accepted, subject to modification of the rates for moving and loading, cooly hire and cartage on the completion of the tramway connecting the Railway stores with the Board's lines of rails. This arrangement to terminate with the present cooly contract (1st March 1890), when public tenders will be called for."

Carried by a majority.

6. Read letter of this date from R. Veerasawmy Iyengar, Contractor for the supply of granite chips from Pallaveram Quarries, enclosing a lawyer's letter laying claim to the quarry siding on behalf of the executors of the late Cazim Ali Nakoy Sahib; read also the Chairman's reply thereto, No. 2656, dated 28th September.

Approved.

7. Read G.Os., Nos. 444, 445 and 449, Marine, dated 15th and 18th September 1888, recording the Proceedings of meetings of the Harbour Trust Board held on the 14th and 20th August and 4th September 1888 respectively.

Recorded.

8. Read G.O., No. 457, Marine, dated 21st September 1888, stating that the Government in the Public Works Department will purchase dynamite for the Board on requisition pending amendment of the Act.

Recorded.

9. Examined Madras Bank Pass-books showing to the credit of the Chairman on Revenue account Rupees 10,489-8-0, on Construction account Rupees 5,615-1-5, and on Port Conservancy account Rupees 6,111-7-9.

Recorded.

ORDER—dated 6th November 1888, No. 506, Marine.

Recorded.

(True Extract.)

Ag. Chief Secretary.

To the Chairman, Harbour Trust Board.
„ Public Works Department.
„ Presidency Port Officer.

Exd. W. H. French.

18-5-0.

3376 W/ 23/10/88

B. 3649 d/19 Nov. 1888

Recorded

Recorded.

mcm
17.11.88

17/11/88

Govt. of {1888} Madras.

MARINE.

Issued

Recd. 16.11.88 *Encl.*

G.O., 6th November 1888, No. 506.

SECRETARY TO GOVERNMENT
15 NOV.
P.W. DEPARTMENT, MADRAS.

NOVEMBER.

No. 3649 d/19 Nov. 1888

Harbour Trust Board.

Recording Proceedings of a meeting of the — held on the 28th September last.

Appendix to G.O., No. 3105 W., dated 4th October 1888.

BUILDINGS AND ROADS.

SCHEDULE of the probable requirements of the Madras Presidency on account of Military Works for 1889-90.

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.	Repairs.	Establishment.	Tools and plant.	Suspense.	Grand Total.	Remarks.
						Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
1. Accommodation for Troops—Buildings for European troops on the Plains, Permanent.	West Coast.	Malapuram.	1	Barracks for a detachment of British Infantry to accommodate 50 additional men.	A	20,000	..	..	..	..	..	..	..	..	Estimate of Rs. 1,88,712 was sanctioned in G.O., No. 2538 W., dated 18th August 1888. Item No. 2, class A works, budget of 1888-89.
	Nilgiri ..	Wellington.	2	Quarters for three Apothecaries.	A	9,500	..	..	..	..	..	..	..	..	Estimate of Rs. 16,000 was sanctioned in G.O., No. 2448 W., dated 13th August 1888. Item No. 1, class B works, budget of 1888-89.
	Chingleput.	Poonamallee	3	New barracks ..	A	20,000	..	..	..	..	..	..	..	..	Revised estimate of Rs. 1,72,674 has been received and is under consideration. Item No. 2, class B works, budget of 1888-89.
	Presidency.	Fort St. George.	4	Sundry works in connection with extra accommodation, British Infantry.	B	..	12,345	..	..	..	..	..	..	..	Estimate is awaited. Item No. 24, class C works, budget of 1888-89.
	Do. ..	Do. ..	5	Converting the block of buildings containing the main guard, No. 6, Captains' quarters and Ordnance officers' quarters into barracks for single men.	B	..	5,785	..	..	..	..	..	..	..	Estimate of Rs. 5,785 was sanctioned in G.O., No. 2612 W., dated 24th August 1888.
	Do. ..	Do. ..	6	Converting the old Adjutant-General's office block into barracks for single men.	B	..	5,400	..	..	..	..	..	..	..	Estimate of Rs. 5,400 was sanctioned in G.O., No. 3000 W., dated 9th November 1887.
	..	..	7	Institutes of British Regiments and Batteries in the Presidency.	B	..	30,000	..	..	..	..	..	..	..	Estimates are awaited.
	Bellary ..	Bellary ..	8	Swimming-bath, British Infantry.	B	..	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 1888-89.
	Do. ..	Do. ..	9	Alterations and additions to the Military prison.	B	..	3,980	..	..	..	..	..	..	..	Estimate is awaited. Item No. 2, class C works, budget of 1888-89.
	Do. ..	Do. ..	10	Guard-room for the station hospital.	C	..	4,290	..	..	..	..	..	..	..	Estimate of Rs. 4,290 was sanctioned in G.O., No. 1384 W., dated 11th May 1888.

Schedule of the probable requirements of the Madras Presidency on account of Military Works for 1889-90—*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.	
For European Troops on the Plains, Permanent—*cont.*	Bellary ..	Bellary ..	11	Infectious disease ward, cook-house and station hospital.	C	..	6,140	..	..	..	..	..	..	..	..	Estimate of Rs. 6,140 was sanctioned in G.O., No. 320 W., dated 7th February 1884. Item No. 1, class C works, budget of 1888-89.
	Do. ..	Do. ..	12	Quarters for Bandmaster, British Infantry.	C	..	4,075	..	..	..	..	..	..	..	..	Estimate of Rs. 4,075 was sanctioned in G.O., No. 1441 W., dated 16th May 1888. Item No. 5, class C works, budget of 1888-89.
	Do. ..	Do. ..	13	Quarters for Schoolmaster, British Infantry Regiment.	C	..	2,950	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 6, class C works, budget of 1888-89.
	Do. ..	Do. ..	14	Quarters for Schoolmistress, British Infantry Regiment.	C	..	2,950	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 7, class C works, budget of 1888-89.
	Do. ..	Do. ..	15	Purveyor's quarters for the station hospital.	C	..	3,046	..	..	..	..	..	..	..	..	Estimate of Rs. 3,046 was sanctioned in G.O , No. 771 W., dated 7th March 1888.
	Nilgiri ..	Wellington.	16	Quartermaster's stores and office on standard plan for British Infantry Regiment.	C	..	25,000	..	..	..	..	..	..	..	..	Estimate is awaited.
	Do. ..	Do. ..	17	A ward to accommodate 35 men, station hospital.	C	..	20,000	..	..	..	..	..	..	..	..	Do.
	Do. ..	Do. ..	18	Gymnasium, 2nd Royal Fusiliers.	C	..	10,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 8, class C works, budget of 1888-89.
	Do. ..	Ootacamund	19	Quarters for a Sub-Conductor attached to the Army head-quarters.	C	..	7,500	..	..	..	..	..	..	..	..	Estimate is awaited.
	Do. ..	Do. ..	20	Converting the Sapper hospital building on Stone-house hill into quarters for 2 Sergeant Instructors' N.V. Rifles.	C	..	3,600	..	..	..	..	..	..	..	..	Estimate of Rs. 3,600 was sanctioned in G.O., No. 1068 W., dated 9th April 1888.
	Do. ..	Wellington.	21	Quarters for 3 Hospital Purveyors.	C	..	4,750	..	..	..	..	..	..	..	..	Estimate of Rs. 4,750 was sanctioned in G.O., No. 615 W., dated 21st February 1888. Item No. 49, class C works, budget of 1888-89.
	West Coast.	Calicut ..	22	A new barrack with subsidiary building for 30 men.	C	..	20,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 9, class C works, budget of 1888-89.
1. Accommodation for Troops—Buildings	Presidency.	Bangalore.	23	One block of two quarters for two Sergeants, "Queen's Own" Sappers and Miners.	C	..	3,000	..	..	..	..	..	..	..	..	Estimate is awaited.
	Do. ..	Do. ..	24	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. 28, class C works, budget of 1888-89.
	Do. ..	Do. ..	25	New orderly-room or conversion of Quartermaster's stores into orderly-room and stores, 12th Lancers.	C	..	6,500	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 29, class C works, budget of 1888-89.
	Do. ..	Do. ..	26	Battery office for Royal Horse Artillery.	C	..	5,680	..	..	..	..	..	..	..	..	Estimate of Rs. 5,680 was sanctioned in G.O., No. 2906 W., dated 17th September 1888. Item No. 30, class C works, budget of 1888-89.
	Do. ..	Do. ..	27	Buildings for wheelers' shop, Royal Artillery.	C	..	3,100	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 31, class C works, budget of 1888-89.
	Do. ..	Do. ..	28	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. 34, class C works, budget of 1888-89.
	Do. ..	Do. ..	29	Quarters for the Assistant Apothecary, North Station Hospital.	C	..	4,773	..	..	..	..	..	..	..	..	Estimate of Rs. 4,773 was sanctioned in G.O., No. 938-2 W., dated 5th April 1884. Item No. 35, class C works, budget of 1888-89.
	Do. ..	Fort St. George.	30	Wash-houses to be built outside the barracks in lieu of the north and south wash-houses inside.	C	..	2,500	..	..	..	..	..	..	..	..	Estimate is awaited.
	Do. ..	Do. ..	31	Garrison bazaars to be done away with and new cook-houses to be built on the site.	C	..	4,500	..	..	..	..	..	..	..	..	Do.
	Do. ..	Do. ..	32	Repairs to floors of B, C and D blocks, family quarters.	C	..	10,070	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 25, class C works, budget of 1888-89.
	Do. ..	Do. ..	33	Construction of coach-houses and stables for the use of officers.	C	..	15,770	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 26, class C works, budget of 1888-89.
	Chingleput.	Poonamallee.	34	Warrant officers' quarters ..	C	..	3,500	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 11, class C works, budget of 1888-89.
	Do. ..	Do. ..	35	Two Staff Sergeants' quarters, first class.	C	..	6,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 12, class C works, budget of 1888-89.
	Do. ..	Do. ..	36	Coffee-shop	C	..	9,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 13, class C works, budget of 1888-89.
	Do. ..	Pallávaram.	37	One mortuary-room for each of the three hospitals, Nos. 1 to 3.	C	..	3,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 14, class C works, budget of 1888-89.
	Do. ..	St. Thomas' Mount.	38	A wheeler and collar-maker's shop for the west barracks.	C	..	5,660	..	..	..	..	..	..	..	..	Estimate of Rs. 5,660 was sanctioned in G.O., No. 2717 W., dated 3rd November 1884. Item No. 15, class C works, budget of 1888-89.

Schedule of the probable requirements of the Madras Presidency on account of Military Works for 1889-90—*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 Troops—Buildings for European Troops on the Plains Permanent—*cont*	Chingleput.	St. Thomas' Mount.	39	Sergeants' mess for east barracks.	C	..	5,450	..	..	..	..	..	..	..	..	Estimate of Rs. 5,450 was sanctioned in G.O., No. 1118 W., dated 14th April 1888. Item No. 16, class C works, budget of 1888-89.
	Do. ..	Do. ..	40	Quarters for three medical subordinates attached to the station hospital.	C	..	8,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 17, class C works, budget of 1888-89.
	Do. ..	Do. ..	41	Quarters for head-quarter staff, Royal Artillery.	C	..	12,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 18, class C works, budget of 1888-89.
	Do. ..	Do. ..	42	Battery office for P/1st Royal Artillery, east barracks.	C	..	3,700	..	..	..	..	..	..	..	..	Estimate of Rs. 3,700 was sanctioned in G.O., No. 1552 W., dated 28th May 1888. Item No. 20, class C works, budget of 1888-89.
	Do. ..	Do. ..	43	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 December 1881. Item No. 21, class C works, budget of 1888-89.
for Troops—Buildings for Native Troops.	Presidency.	Bangalore.	44	Additions to public buildings, Madras Infantry Regiment, for Pioneer Regiment.	A	5,000	..	..	..	..	..	..	..	..	..	Estimate of Rs. 21,636 was sanctioned in G.O., No. 2952 W., dated 29th November 1884. Item No. 3, class A works, budget of 1888-89.
	Do. ..	Do. ..	45	Public buildings for a Madras Cavalry Regiment.	B	..	20,000	..	..	..	..	..	..	..	..	Estimate of Rs. 30,990 was sanctioned in G.O., No. 1302 W., dated 25th May 1886. Item No. 41, class C works, budget of 1888-89.
	Bellary ..	Bellary ..	46	New saddle-rooms for a Madras Cavalry Regiment.	B	..	15,000	..	..	..	..	..	..	..	..	Estimate is awaited.
	North Arcot.	Vellore ..	47	Providing accommodation in the Fort for two companies, Native Infantry.	B	..	3,490	..	..	..	..	..	..	..	..	Do.
	Vizagapatam.	Vizianagrum.	48	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 October 1884.
	Bellary ..	Bellary ..	49	New wing places-of-arms for two regiments, Madras Infantry.	C	..	60,000	..	..	..	..	..	..	..	..	Estimate is awaited.
	Do. ..	Do. ..	50	School-house for Native Infantry Regiment.	C	..	3,030	..	..	..	..	..	..	..	..	Estimate of Rs. 3,030 was sanctioned in G.O., No. 149 W., dated 17th January 1884. Item No. 37, class C works, budget of 1888-89.
	Nilgiri ..	Wellington.	51	Quarters for 32 men, Army Hospital, Native Corps.	C	..	12,380	..	..	..	..	..	..	..	..	Estimate is awaited.
1. Accommodation	West Coast.	Cannanore.	52	Quarters for 11 men of the Army Hospital, Native Corps.	C	..	3,670	..	..	..	..	..	..	..	..	Do.
	Chingleput.	Pallávaram.	53	Magazine for Madras Infantry Regiment on standard plan.	C	..	4,900	..	..	..	..	..	..	..	..	Estimate of Rs. 4,900 was sanctioned in G.O., No. 334 W., dated 8th February 1886. Item No. 39, class C works, budget of 1888-89.
	Do. ..	Do. ..	54	Armourers' shop for Madras Infantry Regiment.	C	..	2,880	..	..	..	..	..	..	..	..	Estimate of Rs. 2,880 was sanctioned in G.O., No. 3,149 W., dated 22nd December 1884. Item No. 40, class C works, budget of 1888-89.
	Presidency.	Madras ..	55	Workshops and sheds for carts and cattle, Transport Department.	B	..	20,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 55, class C works, budget of 1888-89.
	Nilgiri ..	Wellington.	56	Quarters for a Milling Engineer, Commissariat Department.	C	..	7,500	..	..	..	..	..	..	..	..	Estimate is awaited.
3. Commissariat Buildings.	West Coast.	Calicut ..	57	A bakery	C	..	6,860	..	..	..	..	..	..	..	..	Do.
	Do. ..	Malāpuram.	58	Cattle-shed for the Commissariat Department.	C	..	4,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 50, class C works, budget of 1888-89.
	Do. ..	Quilon ..	59	Armourers' shop	C	..	4,823	..	..	..	..	..	..	..	..	Estimate of Rs. 4,823 has been received and is under consideration. Item No. 51, class C works, budget of 1888-89.
	Chingleput.	Guindy ..	60	Quarters for the station butcher attached to the slaughter-house.	C	..	3,600	..	..	..	..	..	..	..	..	Estimate of Rs. 3,600 was sanctioned in G.O., No. 1259 W., dated 30th April 1888. Item No. 52, class C works, budget of 1888-89.
	Do. ..	Saidápet ..	61	Constructing a new road from the Mount Road direct to the slaughter-house at Saidápet.	C	..	3,468	..	..	..	..	..	..	..	..	Estimate of Rs. 3,468 was sanctioned in G.O., No. 534 W., dated 16th February 1888.
	Presidency.	Madras ..	62	Mule shed at Transport lines, Pudupet.	C	..	11,210	..	..	..	..	..	..	..	..	Estimate is awaited.
	Do. ..	Do. ..	63	Quarters for two Sergeants at Pudupet.	C	..	3,500	..	..	..	..	..	..	..	..	Do.
	Do. ..	Do. ..	64	Quarters for a Conductor, Commissariat Department.	C	..	4,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 56, class C works, budget of 1888-89.
	Do. ..	Do. ..	65	Constructing a wheat godown at Teynampet.	C	..	5,950	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 57, class C works, budget of 1888-89.
	Do. ..	Bangalore.	66	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. 53, class C works, budget of 1888-89.
	Do. ..	Do. ..	67	Quarters for an Ambulance Sergeant near Cattle lines, Transport Department.	C	..	3,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 54, class C works, budget of 1888-89.
7. General Cantonment Works.	Bellary ..	Guntakal ..	68	New rest-house and site for rest camp.	B	..	6,705	..	..	..	..	..	..	..	..	Estimate is awaited.
	Presidency.	Madras ..	69	Alterations to rifle ranges at Vyasarpady.	B	..	6,130	..	..	..	..	..	..	..	..	Do.

Schedule of the probable requirements of the Madras Presidency on account of Military Works for 1889-90—*cont.*

Head of classification.	Executive division.	Locality.	Item No.	Projects and works.	Class.	Original Works.			Repairs.	Establishment.	Tools and plant.	Suspense.	Grand Total.	Remarks.
						Works in progress.	Major works. New works.	Major works. Total.	Minor works.	Total.				
						Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
7. General Cantonment Works—*cont.*	Presidency.	Bangalore.	70	Drainage of Royal Horse Artillery Grass-cutters' lines at Ulsoor and preventing the fouling of the adjacent nullah.	C	..	2,846	..	..	..	..	..	..	Estimate of Rs. 2,846 was sanctioned in G.O., No. 1261 W., dated 1st May 1888. Item No. 32, class C works, budget of 1888-89.
	Do. ..	Do. ..	71	Drainage, British Infantry barracks.	C	..	8,112	..	..	..	..	..	..	Estimate of Rs. 8,112 was sanctioned in G.O., No. 2615 W., dated 24th August 1888. Item No. 33, class C works, budget of 1888-89.
	Do. ..	Fort St. George.	72	Remodelling the drainage ..	C	..	10,000	..	..	..	..	..	..	Estimate is awaited. Item No. 23, class C works, budget of 1888-89.
	Do. ..	Madras ..	73	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. 42, class C works, budget of 1888-89.
	Chingleput.	St. Thomas' Mount.	74	General improvements to the drains of the cantonment.	C	..	10,000	..	..	..	..	..	..	Estimate is awaited. Item No. 19, class C works, budget of 1888-89.
	West Coast.	Malapuram.	75	Constructing a fortified post.	C	..	8,248	..	..	..	..	..	..	Estimate of Rs 8,248 was sanctioned in G.O., No 3114 W., dated 18th November 1887. Item No. 58, class C works, budget of 1888-89.
8. Fortifications.	Presidency.	Fort St. George.	76	Demolition of Wallajah ravelin and two lunettes.	C	..	7,426	..	..	..	..	..	..	Estimate is awaited. Item No. 59, class C works, budget of 1888-89.
	Do. ..	Do. ..	77	Constructing a draw-bridge at the north gate.	C	..	4,487	..	..	..	..	..	..	Estimate of Rs. 4,487 was sanctioned in G.O., No. 2447 W., dated 13th August 1888. Item No. 60, class C works, budget of 1888-89.
	Do. ..	Do ..	78	Demolition of out-houses, clearance of ditch and completion of walls.	C	..	10,000	..	..	..	..	..	..	Estimate is awaited. Item No. 61, class C works, budget of 1888-89.
4. Staff and Miscellaneous.	Nilgiri ..	Ootacamund.	79	Water-supply, Lawrence Asylum.	C	..	12,350	..	..	..	..	..	..	Estimate of Rs. 12,350 has been received and the sanction of the Government of India to the inclusion of the work in the budget has been applied for—*vide* G.O., No. 2139 W., dated 14th July 1888. Item No. 62, class C works, budget of 1888-89.
				Reserve with the Government for incomplete Major Works.	..	15,957	..	..	..	..	..	..	..	
				Total ..	..	70,457	6,14,543	6,85,000	1,50,000	8,35,000	3,50,000	2,72,300	17,700	..	14,75,000	

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 1889-90.

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. ...	New record shelves in the office of Commissariat Accounts.	1,860	
	Do. ...	Constructing two solitary cells in the military prison.	2,445	Very urgently required.
	Do. ...	Constructing a verandah in front of the choultry gate now used as the Commissariat ration shed.	650	Necessary.
	Madras ...	Ordnance store-room—Beach ..	1,250	
	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. ...	Drainage—Bakery premises ...	950	When funds are available.
	Do. ...	Gram-boiling shed—Mule lines.	1,500	
	Do. ...	Latrine for hospital—Rayapuram lines.	1,000	
	Do. ...	Converting one Sub-Conductor's quarters, Commissariat Department, to Conductor's quarters by adding a room 18′ × 16′.	576	Approved.
	Do. ...	Store-room to 3 Warrant officers and 4 Sergeants' quarters—Commissariat Department.	1,000	
	Do. ...	Additional latrine accommodation—Army Clothing Department.	536	
	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	
	Do. ...	Constructing sick shed (50′ × 12′)—Transport Department.	1,200	Necessary.
	Do. ...	Constructing a weighing-shed (30′ × 20′)—Transport line, Pudupet	1,200	
	Do. ...	Constructing a cistern to hold Red Hills water at the Government Bakery.	530	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.	
Eastern District—*cont.*	Madras ...	Constructing a slinging shed in the Body Guard lines.	836	When funds are available.
	St. Thomas' Mount.	Commissariat—Wells, &c., public cattle depôt.	1,200	
	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.
	Do. ...	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. ...	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	
	Do. ...	Providing granite stone flooring to the verandahs of the harness-rooms, west barracks.	540	When funds are available.
	Pallávaram ...	Tiled-shed	636	
	Poonamallee.	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	
	Vizianagrum...	New magazine—Madras Infantry.	1,530	Very necessary.
	Do. ...	Improvements to hospital—Madras Infantry.	515	When funds are available.
	Do. ...	Improvements to ventilation—Madras Infantry.	545	
	Do. ...	Contagious disease shed ...	917	Approved.
	Berhampore...	Building for Commissariat stores and office.	1,200	When funds are available.
	Do. ...	Extension of the main drains, Regimental lines.	1,000	Necessary.
Bangalore Division.	Arkónam ...	Improving drains outside the compounds of the rest-house.	560	Approved.
	Bangalore ...	Royal Artillery—Latrine, Staff Sergeants' quarters, Royal Horse Artillery.	2,100	Very necessary on sanitary grounds.

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 ...	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.
	Do. ...	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 road from race-course barracks to slaughter-house.	1,400	
	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 Quartermaster 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. ...	Two horse-stables for Staff Sergeants' quarters, Commissariat Department.	570	Necessary.
	Do. ...	Two servants' quarters for do.	637	

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 ...	Quarters for one first-class Purveyor, North Station Hospital.	800	Necessary.
	Do. ...	Do. for one second-class do.	600	
	Do. ...	Providing glazed slashes to the Staff and Married Sergeants' quarters, "Queen's Own" Sappers and Miners, at St. John's Hill.	575	When funds are available.
	Matigiri ...	Rebuilding the partition walls between the stalls of the forty horse-stables, Remount Depôt.	890	Necessary.
	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 storerooms with asphalte.	670	
	Do. ...	Drain pipes required to be fitted around the buildings to carry off rain-water from the roofs.	1,690	Desirable.
Ceded Districts.	Do. ...	Skittle alley	1,600	When funds are available.
	Do. ...	Compound wall for the quarters of the Army Hospital Corps.	1,346	
	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	
	Do. ...	Converting No. 5 division workshop in the Arsenal into an office for the gate conductor.	1,464	
	Do. ...	Boarding portion of floor of the gymnasium, providing new horizontal bar and fitting up racks for dumb-bells.	1,050	Desirable.
	Do. ...	Improving present Armourers' shop, Native Cavalry, by adding a browning room and opening a large window.	700	Very necessary.
	Do. ...	Skittle alley for British Infantry	1,600	When funds are available.
	Wellington ...	Renewing floors of latrines and school block.	1,680	Necessary.
Southern Districts.	Do. ...	Enlarging Purveyors' stores ...	2,000	Very necessary.
	Do. ...	Supplying cooking stove, Sergeants' mess.	800	Desirable.
	Do. ...	Shed for dhooly-bearers and dhooly.	2,300	Approved, but estimate seems very high.
	Do. ...	A building for manufacturing blank ammunition.	1,000	Necessary.
	Do. ...	A ward for lunatic men in the Station Hospital.	850	
	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.

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.	
Southern Districts—*cont.*	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	
	Do. ...	Quarters for Hospital Purveyor, West Hill barracks.	1,163	Necessary.
	Malapuram ...	Converting beer godown into a gymnasium for detachment.	790	Very necessary.
	Do. ...	Providing a platform and pump to well.	1,110	
	Do. ...	Quarters for Hospital Purveyor.	1,250	Necessary.
	Do. ...	Quarters for 7 men of the Army Hospital, Native Corps.	2,030	
	Do. ...	Converting the old contagious disease ward into quarters for the Commissariat Sergeant.	2,270	
	Quilon ...	Renewing floor of hospital ...	1,970	Desirable.
	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.	22,004	
		Total ...	1,50,000	

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Military Works.
Account.

READ—the following papers :—

From Brigadier-General M. PROTHEROE, C.B., C.S.I., Quartermaster-General, to the Secretary to Government, Public Works Department, dated Ootacamund, 8th September 1888, No. 3268 A.

I have the honor, by order, to forward, for submission to Government, the schedules of requirements in Military Works in connection with the Imperial budget estimate of the Public Works Department for the coming official year.

2. The works have been classified in the usual manner, but as all the class C works in the list attached to the final issue of the budget for the current year * are still required, it has been considered unnecessary to remunerate them, and it will therefore be understood that the schedule of these works now forwarded is merely supplementary to the list above referred to. Similarly the list (D) will be understood to show what minor works are required in addition to those of the list at pages 6, 7, 8 and 9 of appendix to G.O., No. 2642 W., dated 6th October 1887, as it will stand after the works enumerated in list E have been removed from it.

* G.O., No. 1199 W., dated 23rd April 1888.

3. The works in class B which require special notice are the following :—

I. *Public buildings for a regiment of Native Cavalry, Bangalore.*—The return of the 1st Madras Lancers from Burma, without relief, in the coming cold season will result in the location of a Madras Cavalry regiment at Bangalore once more, and the public buildings sanctioned for it † should now be provided without delay.

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

II. *Works in connection with provision of increased accommodation for troops in Fort St. George.*—The necessity for these works is very urgent and, as the Government of India seems unwilling to make a special grant for them, it has been thought as well to include them in the schedule for provision of funds in ordinary course.

III. *New saddle rooms for Madras Cavalry regiment at Bellary.*—The Government Order quoted in the remark column against this work will show its urgency.

IV. *Institutes of British corps.*—The Commander-in-Chief has now under his consideration the detailed proposals in connection with these, and he feels sure Government will concur with him in thinking it most desirable that early measures should be taken towards providing the necessary accommodation, so far as is possible, without prejudice to other urgent works.

V. *New rest-house and site for rest-camp, Guntakal.*—The break of gauge at Guntakal and its increased importance as a junction station makes it desirable that the rest-house and camp required between Arkónam and Wadi (now at Gooty) should be placed there in the future.

VI. *Alterations to Rifle range, Veysarpady.*—The large expenditure (Rs. 9,530) already incurred in providing these ranges will be wasted unless the additional works considered necessary to render them safe for use are carried out; moreover ranges conveniently placed with reference to lines of Native troops at Madras are most desirable, as these troops now have to go to Pallávaram for practice.

X. *Accommodation for two companies, Madras Infantry, in the Fort at Vellore.*—The transfer of the Nagpur force to Bombay, which will shortly be carried out, will set free a regiment, Madras Infantry, to garrison Pallavaram, St. Thomas' Mount and Vellore, so that the accommodation which it has been decided to provide * for the detachment in the fort at the last-named station should be prepared for it at once.

* Proceedings of Government, Military Department, No. 5209, dated 25th August 1887.

4. The new barracks proposed to be provided for a wing, British Infantry, at St. Thomas' Mount have not been included in the schedule as they have not yet been definitely sanctioned, and because even if they had been, funds for them could not be found out of an ordinary grant, but must be provided by a special grant.

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ENCLOSURES.

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

Command.	Station.	Item No.	Work.	Cost.
				RS.
Southern district	Malapuram ...	1	Barracks for a detachment to accommodate 50 additional men.	20,000
Eastern district	Poonamallee ...	2	New barracks	20,000
Southern district	Wellington ...	3	Quarters for three Apothecaries.	9,500
Bangalore division	Bangalore ...	4	Addition to public buildings, Madras Infantry Regiment, for a Pioneer Regiment.	5,000

OOTACAMUND,
8th September 1888.

(Signed) D. J. S. McLEOD, Lieut.-Colonel,
Deputy 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.	20,000	Item 6, class B works, budget of 1887-88, and item 41, class C works, budget of 1888-89.
Eastern district ...	Fort St. George.	2	Sundry works in connection with extra accommodation, British Infantry.	12,345	Item 24, class C works, budget of 1888-89.
Ceded districts ...	Bellary ...	3	New saddle rooms for a Madras Cavalry Regiment.	15,000	G.O., No. 1288 W., dated 2nd May 1888.
Madras	Presidency ...	4	Institutes of British Regiments and Batteries in the Presidency.	30,000	
Ceded districts ...	Guntakal ...	5	New rest-house and site for rest-camp	6,705	
Eastern district ...	Madras ...	6	Alterations to Rifle Range at Veysarpady ...	6,130	G.O., M.D., No. 875, dated 8th February 1888.
Ceded districts ...	Bellary ...	7	Swimming-bath, British Infantry	7,644	Item 3, class C works, budget of 1888-89.
Do. ...	Do. ...	8	Alterations and additions to Military Prison ...	3,980	Item 2, class C works, budget of 1888-89.
Eastern district ..	Madras ...	9	Workshops and sheds for carts and Cattle Transport Department.	20,000	Item 55, class C works, budget of 1888-89.
Do. ...	Vellore ...	10	Providing accommodation in the Fort for two companies, Native Infantry.	3,490	Estimate before Government.

(Signed) D. J. S. McLEOD, Lieut.-Colonel,
Deputy Quartermaster-General.

OOTACAMUND,
8th September 1888.

CLASS C.—List of Major Works of less urgency not yet commenced for which funds are also required in addition to those printed in the schedule circulated with the final issue of the budget for 1888-89.

Command.	Station.	Work.	Cost.
			RS.
Bangalore division ..	Bangalore ...	One block of two quarters for two Sergeants, "Queen's Own" Sappers and Miners ...	3,000
Ceded districts ...	Bellary ...	New guard-room for station hospital ..	4,290
		New wing places-of-arms for two regiments, Madras Infantry	60,000
		Purveyor's quarters for the station hospital.	3,046
		Quartermaster's store and office on standard plan for British Infantry Regiment ..	25,000
	Wellington ...	A ward to accommodate 35 men, station hospital	20,000
		Quarters for 32 men, Army Hospital, Native corps	12,380
		Quarters for Milling Engineer, Commissariat Department	7,500
Southern district.	Calicut ...	A bakery	6,860
		A new barrack with subsidiary buildings for 30 men	20,000
	Cannanore ...	Quarters for 11 men of the Army Hospital, Native corps	3,670
		Quarters for a Sub-Conductor attached to Army head-quarters ..	7,500
	Ootacamund ...	Converting the Sapper hospital building on Stonehouse hill into quarters for two Sergeant Instructors, Nilgiri Volunteer Rifles.	3,690
		Wash-house to be built outside the barracks in lieu of the north and south wash-houses inside	2,500
	Fort St. George.	Garrison bazaars to be done away with and new cook-houses built on site	4,500
Eastern district ...		Mule-shed at Transport lines, Pudupet ...	11,210
		Quarters for two Sergeants at Pudupet ...	3,500
	Madras ...	Constructing a new road from the Mount Road direct to the slaughter-house, Saidápet	3,168

OOTACAMUND,
8th September 1888.

(Signed) D. J. S. McLEOD, Lieut.-Colonel,
Deputy Quartermaster-General.

Office note from the Examiner, Public Works Accounts, dated 24th Sept. 1888, No. 2299.

ORDER—dated 4th October 1888, No. 3105 W., Public Works.

Ordered that the schedule of requirements on account of Military Works in the Madras Presidency for 1889-90 be forwarded to the Government of India in the Military Department.

2. It is observed that the marginally-noted works which the Government in the Military Department desired to be undertaken in the current year and for which the Government of India were requested to provide a special allotment (*vide* para. 4 of G.O., No. 2612 W., dated 24th August 1888) have not been included by the Quartermaster-General in his schedule. As no reply has yet been received from

Converting the block of buildings containing the Main guard, No. 6, Captain's quarters and Ordnance officer's quarters, Fort St. George, into barracks for single men.

Converting the old Adjutant-General's office block, Fort St. George, into barracks for single men.

the Government of India, and as there is no probability of funds becoming available in the current year, the works have been included in the schedule.

3. The Superintending Engineers concerned should lose no time in submitting the necessary plans and estimates for the unsanctioned works included in the schedule, as none of them can find place in the budget estimates for 1889-90 unless plans and estimates have been previously sanctioned.

(Here enter No. 3106 W., dated 4th October 1888.)

(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, 4th October 1888, No. 3106 W.

In forwarding herewith the Proceedings of this Government, No. 3105 W., dated 4th October 1888, and the schedule of requirements on account of Military Works for 1889-90, I am directed to invite the attention of the Government of India to para. 4 of the Quartermaster-General's letter printed with the Proceedings herewith forwarded, and to request that a special grant may be assigned for the new barracks proposed to be provided for a wing of British Infantry at St. Thomas' Mount. I am also directed to request that a liberal grant may be assigned for 1889-90, in order that many important works now kept back for want of funds may be undertaken in the year.

2. The demands on account of Ordnance Works have not been included in the schedule, as neither the Director-General nor the Inspector General of Ordnance has reported the requirements of the Ordnance Department. It is, however, presumed that the Director-General of Ordnance will submit the schedule of requirements on account of Ordnance buildings direct to the Government of India (*vide* para. 4 of his letter No. 90 E., dated 2nd January 1888, printed with the Proceedings forwarded to the Government of India with letter No. 190 W., dated 17th January 1888), and that a separate grant will be provided for the Ordnance Works required for 1889-90.

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

Exd. J. Henricus.
Spare Copies

MILITARY WORKS.
ACCOUNT.

Govt. of {1888} Madras.

PUBLIC WORKS.

Dated October, 4th.

Read. *Encl.*

G.O., 4th Oct. 1888, Nos. 3105, 3106 W.

OCTOBER.

Schedule of requirements on account of Military Works for 1889-90

Forwarding —.