

(1) Number of pages 28
(2) Date of repair 23-1-88
(3) Initials of the Referencer Om ✓

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

P.W

DEPARTMENT

G.O. No.	863	Press.
B.P. No.		Mis.
Dated	19-3-1887	198

Not to be folded or roughly handled.

19TH MARCH 1887, No. 863 W., PUBLIC WORKS.

863
1

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

READ—the following letter from Brigadier-General E. FAUNCE, Quartermaster-General, to the Secretary to Government, Military Department, dated Ootacamund, 11th March 1887, No. 1146 A. :—

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

Estimate, amounting to Rs. 1,690, for providing pipes for carrying off rain water from the roof of Nos. 1 and 2 married ranges, Nos. 1, 2 and 3 barracks, the sergeants' mess and school-room occupied by the Royal Artillery at Bellary, with 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 (4th October 1886, No. 6168, Military).

No. 1514, Military.

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

(By Order.)

FORT ST. GEORGE,
14th March 1887.

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

ORDER—dated 19th March 1887, No. 863 W., Public Works.

The estimate, amounting to Rs. 1,690, for providing pipes to carry off rain water from the roofs of the buildings occupied by the Royal Artillery at Bellary, is sanctioned, for execution when funds are available.

2. This sanction has been registered as Imperial, Ordinary, No. 44 W. of 1886-87, and classified as Military, Original Works.

(True Extract.)

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

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

Exd. E. Fernandez.
Spare Copies

BUILDINGS AND ROADS.
MILITARY WORKS.

Gobt. of 1887 Madras.
PUBLIC WORKS.

Dated March, 19th.

Recd.

Encl.

G.O., 19th Mar. 1887, No. 863 W.

MARCH.

Buildings occupied by the Royal
Artillery at Bellary

Estimate of Rs. 1,690, for providing pipes
to carry off rain water from the roofs of the
—, sanctioned.

Appendix to G.O., No. 2497 W., dated 25th September 1886.

BUILDINGS AND ROADS.

SCHEDULE of the probable requirements of the Madras Presidency on account of Military Works for 1887-88.

SCHEDULE of the probable requirements of the Madras Presidency for 1886-87.															
Head of classification.	Executive division.	Locality.	Item No.	Projects and works.	Class.	ORIGINAL WORKS.				Repairs.	Estab- lishment.	Tools and plant.	Sus- pense.	Grand Total.	Remarks.
						Major works.		Minor works.	Total.						
						Works in progress.	New works.								
Accommodation for Troops—Barracks for European Troops in the Plains— Permanent.	West Coast.	Malapuram.	1	New barracks for a detach- ment of British infantry to accommodate 100 men.	A	Rs. 20,000	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Estimate of Rs. 1,35,000 was sanc- tioned in G.O., No. 2305 W., dated 13th September 1886. Item No. 1, class A works, budget of 1886-87. Revised estimate is necessary.
	Presidency.	Bangalore.	2	Parade barracks, altera- tions and additions to wash-houses.	B	..	12,500	..	..	..	..	..	..	..	Estimate of Rs. 12,500 was sanc- tioned in G.O., No. 1102 W., dated 7th May 1886. Item No. 23, class C works, budget of 1886-87.
	Nalgudi	Wellington.	3	Quarters for three apothec- aries.	B	..	13,000	..	..	..	..	..	..	..	Estimate of Rs. 5,653 was sanc- tioned in G.O., No. 914 W., dated 3rd April 1884. Item No. 3, class C works, budget of 1886-87.
	Bellary	Bellary	4	Collar-maker and wheel- shop, Royal Artillery.	B	..	5,653	..	..	..	..	..	..	..	Estimate of Rs. 11,890 was sanc- tioned in G.O., No. 1532 W., dated 20th June 1884. Item No. 17, class C works, budget of 1886-87.
	Presidency.	Fort George.	5	Converting a racquet court into a covered gymna- sium.	B	9,850	..	..	..	..	..	..	..	..	Estimate is awaited.
	Do.	Do.	6	Remodelling drainage	B	..	10,000	..	..	..	..	..	..	..	Estimate of Rs. 5,660 was sanc- tioned in G.O., No. 2717 W., dated 3rd November 1884. Item No. 24, class C works, budget of 1886-87.
	Chingleput.	St. Thomas' Mount.	7	A wheel- and collar- maker's shop, West barracks.	B	..	5,660	..	..	..	..	..	..	..	Estimate is awaited. Amount not entered by the Quartermaster- General.
	West Coast.	Calicut	8	Providing barrack accom- modation for 100 men.	B	..	..	..	..	..	..	..	..	..	Estimate of Rs. 10,240, was sanc- tioned in G.O., No. 2294 W., dated 20th September 1886. Item No. 19, class C works, budget of 1886-87.
	Presidency.	Bangalore.	9	Quarters for schoolmaster and schoolmistress.	C	..	10,240	..	..	..	..	..	..	..	..

803/2

Schedule of the probable requirements of the Madras Presidency on account of Military Works for 1887-88—cont.

Head of classification.	Executive division.	Locality.	Item No.	Project and works.	Class.	ORIGINAL WORKS.					Repairs.	Establishment.	Tools and plant.	Sus. penses.	Grand Total.	Remarks.
						Major works.		Minor works.	Total.							
						Works in progress.	New works.									
Presidency.	Bangalore.	10	New orderly-room for 12th Lancers, or conversion of Quartermaster's stores into orderly-room and stores.	C	Rs. ..	Rs. 5,500	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Estimate is awaited.	
Do.	Do.	11	Quarters for senior apothecary, North station hospital.	C	Rs. ..	Rs. 5,300	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Estimate of Rs. 5,300 was sanctioned in G.O., No. 3385 W., dated 27th November 1885. Item No. 10, class C works, budget of 1886-87.	
Do.	Do.	12	Quarters for the assistant apothecary, North station hospital.	C	Rs. ..	Rs. 4,775	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Estimate of Rs. 4,775 was sanctioned in G.O., No. 538 W., dated 5th April 1884. Item No. 21, class C works, budget of 1886-87.	
Nalgudi.	Wallington.	13	Quarters for barrack surgeon.	C	Rs. ..	Rs. 7,348	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Estimate of Rs. 7,348 was sanctioned in G.O., No. 1941 W., dated 21st August 1885. Item No. 16, class C works, budget of 1886-87.	
Do.	Do.	14	Gymnasium	C	Rs. ..	Rs. 10,000	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Estimate is awaited. Item No. 7, class C works, budget of 1886-87.	
Bellary.	Do.	16	A new gun-shed, Royal Artillery.	C	Rs. ..	Rs. 3,970	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Estimate is awaited.	
Do.	Do.	16	Swimming-bath, British Infantry.	C	Rs. ..	Rs. 7,644	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Estimate of Rs. 7,644 was sanctioned in G.O., No. 2434 W., dated 19th October 1885. Item No. 4, class C works, budget of 1886-87.	
Do.	Do.	17	Infectious disease ward and cook-house, station hospital.	C	Rs. ..	Rs. 6,140	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Estimate of Rs. 6,140 was sanctioned in G.O., No. 320 W., dated 7th February 1884. Item No. 5, class C works, budget of 1886-87.	
Do.	Do.	18	Alterations and additions to military prison and adjoining buildings.	C	Rs. ..	Rs. 11,200	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Estimate is awaited. Item No. 2, class C works, budget of 1886-87.	
Do.	Do.	19	Armourer's shop for the arsenal.	C	Rs. ..	Rs. 4,650	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Estimate is awaited.	
West Coast.	Cannanore.	20	Plunge-bath for European Infantry barracks.	C	Rs. ..	Rs. 4,640	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Estimate of Rs. 4,640 was sanctioned in G.O., No. 418, dated 16th February 1879. Item No. 11, class C works, budget of 1886-87.	

European Troops in the Plains—Permanent—cont.

Do.	Do.	Do.	21	Improving latrines for European infantry barracks.	C	..	2,780	..	..	..	..	..	..	..	..	Estimate of Rs. 2,780 was sanctioned in G.O., No. 1355 W., dated 4th April 1879. Item No. 12, class C works, budget of 1886-87.
Do.	Do.	Do.	22	Improving the roof of regimental guard-room, European Infantry barracks.	C	..	5,060	..	..	..	..	..	..	..	..	Estimate is awaited.
Chingleput.	Do.	St. Thomas Mount.	23	Sergeants' mess for East barracks.	C	..	6,000	..	..	..	..	..	..	..	..	Do.
Do.	Do.	Do.	24	General improvements to the drains of the cantonment.	C	..	10,000	..	..	..	..	..	..	..	..	Do.
Do.	Do.	Do.	25	Quarters for three medical subordinates, station hospital.	C	..	8,000	..	..	..	..	..	..	..	..	Do.
Do.	Do.	Do.	26	Quarters for head-quarter staff, Royal Artillery.	C	..	12,000	..	..	..	..	..	..	..	..	Do.
Do.	Do.	Do.	27	Battery office for P/ist, Royal Artillery.	C	..	5,000	..	..	..	..	..	..	..	..	Estimate of Rs. 4,200 was sanctioned in G.O., No. 3137 W., dated 17th December 1883. Item No. 25, class C works, budget of 1886-87.
Do.	Do.	Do.	28	Raising the roof of harness-rooms, troop lines.	C	..	4,200	..	..	..	..	..	..	..	..	Do.
Do.	Do.	Do.	29	Wooden shed at the Troof range.	C	..	2,820	..	..	..	..	..	..	..	..	Estimate of Rs. 2,820 was sanctioned in G.O., No. 3077 W., dated 13th December 1883. Item No. 26, class C works, budget of 1886-87.
Do.	Do.	Do.	30	Converting the disused gun-shed between the North barracks and the main guard into a coffee-shop, recreation-room, and library.	C	..	2,520	..	..	..	..	..	..	..	..	Estimate of Rs. 2,520 was sanctioned in G.O., No. 1244 W., dated 28th May 1885. Item No. 27, class C works, budget of 1886-87.
Do.	Do.	Pallavaram.	31	One mortuary room for each of the three hospitals Nos. 1 to 3.	C	..	3,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 28, class C works, budget of 1886-87.
Do.	Do.	Poonamallee.	32	Improvements to the old barracks with possibility of obviating construction of the new.	C	..	6,000	..	..	..	..	..	..	..	..	Estimate is awaited.
Do.	Do.	Do.	33	Warrant officers' quarters.	C	..	3,500	..	..	..	..	..	..	..	..	Do.
Do.	Do.	Do.	34	Two staff sergeants' quarters, first class.	C	..	6,000	..	..	..	..	..	..	..	..	Do.
Do.	Do.	Do.	35	Coffee shop ..	C	..	9,000	..	..	..	..	..	..	..	..	Do.

Accommodation for Troops—Buildings for

263/3

Schedule of the probable requirements of the Madras Presidency on account of Military Works for 1887-88—cont.

001-00-2511.

Head of classification.	Executive division.	Locality.	Item No.	Projects and works.	Class.	ORIGINAL WORKS.					Repairs.	Estab-lishment.	Tools and plant.	Sus- pense.	Grand Total.	Remarks.						
						Major works.																
						Works in progress.	New works.	Total.	Minor works.	Total.												
Presidency.	Bangalore.	36	Public buildings for one regiment of native infantry.	A	Rs. 11,036	..	..	..	..	..	..	..	..	..	..	Estimate of Rs. 21,625 was sanctioned in G.O., No. 2952 W., dated 29th November 1884. Item No. 11, class B works, budget of 1886-87.						
Trichinopoly.	Trichinopoly.	37	Construction of stone drains.	A	5,140	..	..	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 13, class B works, budget of 1886-87.						
Presidency.	Bangalore.	38	Public buildings for a regiment of native cavalry.	B	..	15,000	..	..	..	..	..	..	..	..	..	Estimate of Rs. 30,990 was sanctioned in G.O., No. 1202 W., dated 25th May 1886. Item No. 26, class C works, budget of 1886-87.						
Do.	Do.	39	Store-rooms and workshops for the Frontier regiment.	B	..	2,000	..	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 35, class C works, budget of 1886-87.						
Trichinopoly.	Trichinopoly.	40	Workshops for a Pioneer regiment.	C	..	8,000	..	..	..	..	..	..	..	..	..	Estimate is awaited.						
Presidency.	Madras (Rayachoti).	41	Flushing drains for native infantry lines.	C	..	4,300	..	..	..	..	..	..	..	..	..	Estimate of Rs. 4,500 was sanctioned in G.O., No. 1397 W., dated 4th June 1884. Item No. 31, class C works, budget of 1886-87.						
Chingleput.	Pallavaram.	42	Magazine for a Madras infantry regiment.	C	..	4,600	..	..	..	..	..	..	..	..	..	Estimate of Rs. 4,500 was sanctioned in G.O., No. 224 W., dated 4th February 1886. Item No. 38, class C works, budget of 1886-87.						
Do.	Do.	43	Armourer's shop for a Madras infantry regiment.	C	..	2,800	..	..	..	..	..	..	..	..	..	Estimate of Rs. 2,850 was sanctioned in G.O., No. 2149 W., dated 22nd December 1884. Item No. 32, class C works, budget of 1886-87.						
Viragapattanam.	Viragapattanam.	44	Regimental store-room for native infantry including storage for camp equipment.	C	..	3,480	..	..	..	..	..	..	..	..	..	Estimate of Rs. 3,450 was sanctioned in G.O., No. 2028 W., dated 27th October 1884. Item No. 32, class C works, budget of 1886-87.						

Accommodation for Native Troops.

Ordnance Works.	Presidency.	Fort St. George.	45	Construction of a new magazine in the Wallajahpet bazaar.	A	26,420	..	..	..	..	..	..	..	..	Estimate of Rs. 46,420 was sanctioned in G.O., No. 1340 W., dated 17th May 1886. Item No. 14, class B works, budget of 1886-87.
	Bellary.	Bellary.	46	Twelve staff sergeants' quarters, Ordnance Department.	B	..	16,000	..	..	..	..	..	..	..	Estimate is awaited.
	Presidency.	Madras.	47	Coal store.	B	..	9,000	..	..	..	..	..	..	..	Do.
	Do.	Do.	48	Compound-wall round the gunpowder factory.	C	..	20,000	..	..	..	..	..	..	..	Estimate is awaited. Item No. 39, class C works, budget of 1886-87.
Commissioner's Buildings.	Do.	Do.	49	Extra accommodation in the gunpowder factory.	C	..	6,000	..	..	..	..	..	..	..	Estimate is awaited. Item No. 40, class C works, budget of 1886-87.
	Presidency.	Bangalore.	50	Quarters for a Madras Transport Department.	C	..	5,800	..	..	..	..	..	..	..	Estimate of Rs. 5,500 was sanctioned in G.O., No. 992 W., dated 16th April 1886. Item No. 51, class C works, budget of 1886-87.
	Do.	Do.	51	Quarters for subalterns, sergeant major, staff lines, Transport Department.	C	..	2,500	..	..	..	..	..	..	..	Estimate is awaited.
	Do.	Madras.	52	Lines for transport attendants.	C	..	48,000	..	..	..	..	..	..	..	Estimate is awaited. Item No. 49, class C works, budget of 1886-87.
Fortifications.	Do.	Do.	53	Workshops and sheds for carts, decoys, etc., Transport Department.	C	..	5,500	..	..	..	..	..	..	..	Estimate is awaited. Item No. 50, class C works, budget of 1886-87.
	Do.	Do.	54	Construction of a shed at the Camp Equipage Depot.	C	..	6,800	..	..	..	..	..	..	..	Estimate is awaited. Item No. 48, class C works, budget of 1886-87.
	Do.	Tonnampet.	55	Construction of a wheat godown.	C	..	5,950	..	..	..	..	..	..	..	Estimate is awaited. Item No. 46, class C works, budget of 1886-87.
	Chingleput.	Chingleput.	56	Quarters for section butchers attached to the transport house.	C	..	4,750	..	..	..	..	..	..	..	Estimate is awaited. Item No. 52, class C works, budget of 1886-87.
Miscellaneous.	Presidency.	Fort St. George.	57	Fencing the enclosure of Fort St. George with Port land cement.	B	..	5,000	..	..	..	..	..	..	..	Estimate is awaited.
	North Arcot.	Vellore.	58	Draw-bridge and gate for the fort.	B	..	6,450	..	..	..	..	..	..	..	Estimate of Rs. 6,450 was sanctioned in G.O., No. 1388 W., dated 7th March 1885. Item No. 54, class C works, budget of 1886-87.
	Presidency.	Fort St. George.	59	Demolition of Wallajahpet and two bastions.	C	..	7,426	..	..	..	..	..	..	..	Estimate is awaited. Item No. 53, class C works, budget of 1886-87.
	Nagari.	Ootacamund.	60	Water-supply, Lawrence Asylum.	C	..	7,000	..	..	..	..	..	..	..	Estimate is awaited. Item No. 55, class C works, budget of 1886-87.
Total ..						78,016	4,12,654	4,86,780	1,20,000	6,05,730	3,50,000	2,12,817	5,553	11,45,109	

Schedule of the probable requirements of the Madras Presidency on account of Military Works for 1887-88—cont.

ORIGINAL WORKS.																	
Head of classification.	Executive division.	Locality.	Item No.	Projects and works.	Class.	Major works.			Minor works.		Repairs.	Estab-lishment.	Tools and plant.	Sus-pense.	Grand Total.	Remarks.	
						Works in progress.	New works.	Total.	Total.								
Presidency.	Trichinopoly.	Bangalore.	36	Public buildings for one regiment of native infantry.	A	Rs. 11,036	..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Estimate of Rs. 21,636 was sanctioned in G.O., No. 2952 W., dated 29th November 1884. Item No. 11, class B works, budget of 1886-87. Estimate is awaited. Item No. 13, class B works, budget of 1886-87.	
Presidency.	Trichinopoly.	Bangalore.	37	Construction of stone drains.	A	5,140	..	..	..	..	..	..	..	..	..	..	Estimate of Rs. 30,000 was sanctioned in G.O., No. 1302 W., dated 25th May 1886. Item No. 36, class C works, budget of 1886-87. Estimate is awaited. Item No. 33, class C works, budget of 1886-87.
Do.	Do.	Do.	38	Public buildings for a regiment of native cavalry.	B	..	15,000	..	..	..	..	..	..	..	..	..	Estimate is awaited.
Do.	Do.	Do.	39	Store-rooms and workshops for the Pioneer regi-ment.	B	..	2,600	..	..	..	..	..	..	..	..	..	Estimate of Rs. 4,200 was sanctioned in G.O., No. 1907 W., dated 4th June 1884. Item No. 34, class C works, budget of 1886-87.
Trichinopoly.	Trichinopoly.	Do.	40	Workshops for a Pioneer regiment.	C	..	8,000	..	..	..	..	..	..	..	..	..	Estimate of Rs. 4,900 was sanctioned in G.O., No. 224 W., dated 6th February 1886. Item No. 38, class C works, budget of 1886-87.
Presidency.	Madras (Rayachuram).	Do.	41	Flushing drains for native industry lines.	C	..	4,305	..	..	..	..	..	..	..	..	..	Estimate of Rs. 2,580 was sanctioned in G.O., No. 2149 W., dated 22nd December 1884. Item No. 32, class C works, budget of 1886-87.
Chingleput.	Pallavaram.	Do.	42	Magazine for a Madras infantry regiment.	C	..	4,600	..	..	..	..	..	..	..	..	..	Estimate of Rs. 2,450 was sanctioned in G.O., No. 2523 W., dated 27th October 1884. Item No. 32, class C works, budget of 1886-87.
Do.	Do.	Do.	43	Armourer's shop for a Madras infantry regi-ment.	C	..	2,550	..	..	..	..	..	..	..	..	..	Estimate is awaited.
Viragapam.	Vizian-gram.	Do.	44	Regimental store-room for native infantry includ- ing storage for camp equipage.	C	..	3,485	..	..	..	..	..	..	..	..	..	Estimate of Rs. 2,450 was sanctioned in G.O., No. 2523 W., dated 27th October 1884. Item No. 32, class C works, budget of 1886-87.

Accommodation for Native Troops.

Presidency.	Fort St. George.	45	Construction of a new magazine in the Wallajah bazar.	A	26,420	..	..	..	..	..	..	..	..	..	Estimate of Rs. 46,420 was submitted to Government of India for sanction (vide G.O., No. 1240 W., dated 17th May 1886). Item No. 14, class B works, budget of 1886-87. Estimate is awaited.
Bellary.	Bellary.	46	To twelve staff sergeants' quarters, Ordnance Department.	B	16,000	..	..	..	..	..	..	..	..	..	Do.
Presidency.	Madras.	47	Coal store, Ordnance Department.	B	9,070	..	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 39, class C works, budget of 1886-87.
Do.	Do.	48	Compound wall round the gunpowder battery.	C	20,200	..	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 40, class C works, budget of 1886-87.
Do.	Do.	49	Extra accommodation in store rooms in the gunpowder battery.	C	6,065	..	..	..	..	..	..	..	..	..	Estimate of Rs. 5,500 was sanctioned in G.O., No. 992 W., dated 16th April 1885. Item No. 51, class C works, budget of 1886-87. Estimate is awaited.
Presidency.	Bangalore.	50	Quarters for a Colonel, Transport Department.	C	5,200	..	..	..	..	..	..	..	..	..	Estimate is awaited.
Do.	Do.	51	Quarters for an adjutant sergeant near cattle lines, Transport Depart-ment.	C	3,800	..	..	..	..	..	..	..	..	..	Do.
Do.	Madras.	52	Lines for transport attend-ants.	C	48,000	..	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 49, class C works, budget of 1886-87.
Do.	Do.	53	Workshops and sheds for carts, locules, &c., Trans- port Department.	C	5,600	..	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 50, class C works, budget of 1886-87.
Do.	Do.	54	Construction of a shed at the Camp Equipage De- pot.	C	6,300	..	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 52, class C works, budget of 1886-87.
Do.	Totnampet.	55	Construction of a wheat godown.	C	5,950	..	..	..	..	..	..	..	..	..	Estimate is awaited.
Chingleput.	Chindly.	56	Quarters for a Non-bat- talion attached to a regt-er house.	C	4,730	..	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 46, class C works, budget of 1886-87.
Presidency.	Fort St. George.	57	Facing the entrance of Fort St. George with Port- land cement.	B	5,000	..	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 53, class C works, budget of 1886-87.
North Arcot.	Vellore.	58	Draw-bridge and gate for the fort.	B	8,450	..	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 54, class C works, budget of 1886-87.
Presidency.	Fort St. George.	59	Demolition of Wallajah wall and two lunatic.	C	7,496	..	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 55, class C works, budget of 1886-87.
Miscellaneous.	Ootacamund.	60	Work-supply, Lawrence Asylum.	C	7,000	..	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 55, class C works, budget of 1886-87.
Total ..					72,046	4,12,624	4,85,730	1,20,100	6,05,730	3,50,000	2,10,817	9,553	..	11,35,100	

863/4

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.
Bangalore division—cont.	Bangalore ...	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	
	Wellington ...	Renewing floors of latrines and school block.	1,050	Necessary.
	Do. ...	Enlarging purveyor's stores ...	2,000	Very necessary.
	Do. ...	Cooking stoves for Staff Sergeants' quarters.	536	
	Do. ...	Supplying cooking stove, Sergeants' mess.	800	Desirable.
	Do. ...	Laying on drinking water to hospital.	2,226	
	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.
Coded districts.	Do. ...	Reflooring Commissariat storerooms with asphalt.	670	
	Do. ...	Drain-pipes required to be fitted around the buildings to carry off rain water from the roofs.	1,500	Desirable.
	Do. ...	Skittle Alley ...	1,600	When funds are available.
	Do. ...	Guard-room for hospital guard.	1,200	Very desirable.
	Do. ...	Compound wall for the quarters of the Army Hospital Corps.	1,346	When funds are available.
	Do. ...	Compound wall with two gates to enclose female hospital attached to Station hospital.	1,300	
	Do. ...	Compound wall for medical subordinates' quarters, Station hospital.	535	
	Do. ...	Enlarging a well in the cantonment.	854	
	Do. ...	Converting No. 5 division workshop in the Arsenal into an office for the Gate Conductor.	1,750	
	Cannanore ...	Station hospital—Sinking well.	700	Strongly recommended.
Western district.	Do. ...	Replacing the present flooring of the European Infantry cells with concrete in chunam and asphalt.	1,100	Approved.
	Do. ...	Replacing the laterite flooring of the Messiaich room with concrete in chunam and asphalt, European Infantry.	2,140	When funds are available.
	Do. ...	Constructing a compound wall and provision of a jungle-wood ceiling to the roof of the regimental cells.	756	Desirable.
	Do. ...	Alterations and improvements to the Government Bakery.	2,117	

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.
Western district—cont.	Cannanore ...	Alterations and additions to the divisional offices of the Quartermaster-General's department.	Rs. 1,577	Desirable.
	Malapuram ...	Converting beer godown into a gymnasium for detachment.	790	All very necessary.
	Do. ...	Converting wood godown into a bakery.	595	
	Do. ...	Providing a platform and pump to well.	1,110	
	Do. ...	Cattle pen in connection with slaughter-house.	612	Desirable.
	Calicut ...	Converting cook-room into a bakery.	840	Urgent.
	Do. ...	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.
	Quilon ...	Renewing floor of hospital ...	1,970	Desirable.
	Do. ...	An Armourers' shop, Madras Infantry.	1,700	When funds are available.
	Do. ...	Two solitary cells ...	1,500	Approved.
	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	
	...	Lump sum provision for works costing below Rs. 500 each.	9,909	
Total ...			1,20,000	

863
6

863
7

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following papers:—

From Brigadier-General E. FAUNCE, Officiating Quartermaster-General, to the Secretary to Government, Public Works Department, dated Ootacamund, 10th September 1886, No. 3275 A.

In forwarding the schedules of requirements in military works for consideration in connection with the Public Works Department budget for the coming official year, I am desired to offer the following remarks.

MAJOR WORKS.

Most of these have appeared in the lists of previous years, so it is not necessary to enter into their claims for execution; but there are few which are brought forward this year for the first time, and regarding them it is desirable that something should be said.

I. New barracks at Malapuram.—The grant for the current year will complete, or almost complete, the work hitherto contemplated, but it having been decided that the garrison of that outpost should not consist of less than 150 men, it will be requisite to provide for the erection of another barrack for the 50 men, whom the present barrack will not accommodate.

A canteen too should be provided for, the medical authorities having condemned the building now used for this purpose.

II. New barracks at Calicut.—The present barracks at that station are calculated to hold 100 men only, and accommodation is wanted for 100 additional men, who will be quartered there under arrangements contemplated for the future.

III. Quarters for staff sergeants, &c., Ordnance Department, Bellary.—The recent location of the arsenal at this station demands that provision should be made for these subordinates in the neighbourhood of their duties.

IV. Quarters for Medical Warrant Officers at Wellington.—Only one medical warrant officer is now provided with public quarters; these are situated in the barracks, too far from the hospital, and might advantageously be used for another purpose. Hired houses are not to be had near the hospital, and when the head-quarters of a British infantry regiment are brought to Wellington, the demand for houses for officers will be so great that none will be available for medical warrant officers.

MINOR WORKS.

But few of the works included in last year's schedule having been provided for in the current year, in consequence of the appropriation to works of other classes of almost

two-thirds of the grant made for them,* only the few works noted in the list D, herewith forwarded, have to be removed

from the very formidable list submitted last year,† while in the current year demands for a large number of other necessary works of this class have been submitted.

A list of these (E) is herewith forwarded, and the schedule of minor works, as it will then stand with these additions, will in itself show how absolutely necessary it is that for a series of years to come the Government should obtain from the Government of India exceptional grants for this class of works alone.

* *Vide this office letter, No. 2658 A., of 3rd August 1886, to Government, Military Department.*

† *Vide proceedings of Madras Government, No. 2445 W., of 20th October 1885.*

CLASS A.

WORKS commenced for completion of which grants are required.

Command	Station	Item No.	Work	Cost.	Remarks
Bangalore division.	Bangalore ...	1	Subsidiary buildings (including magazine) for one Madras infantry regiment.	RS. 11,636	Item 11, class B, final issue, budget, 1886-87.
	Trichinopoly.	2	Construction of stone drains.	5,140	Item 13 do. do.
Western district.	Malapuram ...	3	New barracks for detachment, British infantry, to accommodate 100 men.	20,000	Item 1, class A. do. Provision will have to be made for accommodating 50 more men than barracks now under construction will hold when the garrison of the West Coast is redistributed.
Eastern district.	Fort St. George.	4	New magazine, Wallajah bern.	26,420	Estimate now before Government. Item 14, class B, final issue, budget, 1886-87.

OOTACAMUND,
10th September 1886.(Signed) E. FAUNCE, Brigadier-General,
Offg. Quartermaster-General.

CLASS B.

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

Command	Station	Item No.	Work	Cost.	Remarks
Bangalore division.	Bangalore	1	Subsidiary buildings, Madras cavalry regiment (less magazine).	RS. 15,000	Very urgent. Rs. 14,000 were first allotted, but subsequently surrendered (see G.O., No. 3092 W., of 30th December 1885, and No. 1084 W., of 29th April 1886). Item 36, class C, final issue, budget, 1886-87.
	Do.	2	Store-rooms and workshops for a Pioneer regiment	3,000	Item 35, class C do. do.
	Do.	3	Improving wash-houses, Parade barracks	12,500	Very desirable.
	Wellington	4	Quarters for three apothecaries	16,000	Desirable, especially if head-quarters, British infantry regiment, be sent to Wellington.
Ceded Districts.	Bellary	5	Twelve staff sergeants' quarters (Ordnance Department).	15,000	Most essential.
	Do.	6	Collarmaker and wheeler's shop, Royal Artillery	5,663	
	Fort St. George.	7	Converting racket court into a covered gymnasium	11,890	Item 17, class C, final issue, budget, 1886-87. Rs. 9,890 were first allotted and afterwards surrendered (proceedings of Government, No. 1084 W., of 29th April 1886). Improvements to drainage very desirable.
Eastern district.	Do.	8	Remodelling drainage	10,000	
	Do.	9	Facing the enceinte of Fort St. George with Portland cement.	5,000	
	Saint Thomas' Mount, Vellore	10	A wheeler and collarmaker's shop for the West barracks.	5,660	
Western district.	...	11	Drawbridge and gate to the fort	6,450	Necessary. Item 54, class C, final issue, budget, 1886-87. Rs. 6,450 were at first allotted, but afterwards surrendered (proceedings of Government, No. 1084 W., of 29th April 1886). A building is now being rented for this purpose at Rs. 100 per mensem.
	Madras	12	Coal store, Ordnance Department	...	In order to do away with the necessity of keeping any British troops at Cannanore.
	Calicut	13	Providing barrack accommodation for 100 men	9,000	

OOTACAMUND,
10th September 1886.(Signed) E. FAUNCE, Brigadier-General,
Offg. Quartermaster-General.863
8

CLASS C.

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

Command	Station	Item No.	Work.	Cost.	Remarks.
Bangalore division.	Bangalore	1	Quarters for schoolmaster and schoolmistress, Royal Artillery.	10,240	Estimate before Government.
	Do.	2	Quarters for a Conductor, Transport Department	5,800	
	Do.	3	12th Lancers, New orderly-room, or conversion of Quartermaster's stores into orderly-room and stores.	6,500	
	Do.	4	Transport Department, Quarters for ambulance sergeant near cattle lines.	3,000	
	Do.	5	Quarters for senior apothecary, North station hospital.	5,300	
	Do.	6	Quarters for assistant apothecary, North station hospital.	4,773	
Central Districts.	Wellington	7	Laying on drinking water to hospital	5,000	An estimate of Rs. 2,226 having been sanctioned in G.O., No. 866 W., dated 2nd April 1886, the work is transferred to minor works statement. Commander-in-Chief considers this essential.
	Do.	8	Quarters for barrack sergeant	7,348	
	Do.	9	Gymnasium	10,000	
	Do.	10	Workshops for a Pioneer regiment	8,000	
Western district	Trichinopoly	11	Water-supply, Lawrence Asylum	7,000	Very necessary.
	Ootacamund	12	A new gunshed, Royal Artillery	3,970	
	Bellary	13	Swimming bath, British infantry	7,644	
	Do.	14	Infectious disease ward and cook-house, station hospital.	6,140	
	Do.	15	Alterations and additions to military prison and self-judging building.	11,200	
	Do.	16	Armourers' shop for the arsenal	4,650	
	Cannanore	17	Plunge-bath, European infantry barracks	4,630	
	Do.	18	Improving latrines, European infantry barracks	2,780	
	Do.	19	Improving roof of regimental guard-room, European infantry barracks.	5,060	
	Madras	20	Compound-wall round the gunpowder factory	20,240	
	Do.	21	Extra store-room, accommodation, gun carriage factory.	6,000	
	Do.	22	Quarters for station butchers attached to slaughter-house, Quindly.	4,740	

25TH SEPTEMBER 1886, Nos. 2497, 2498 W., PUBLIC WORKS.

Command	Station	Item No.	Work.	Cost.	Remarks.
Eastern District.	Do.	23	Lines for Transport attendants	48,000	The work having been already completed, it has been omitted.
	Do.	24	Workshops and sheds for carts, doolies, &c., Transport Department.	5,500	
	Do.	25	Construction of a shed at the Camp Equipage Depot.	5,300	
	(Rayapuram)	26	Flushing drains for native infantry	4,300	Proposed to convert south barracks into quarters for medical subordinates if not required for Battery, Royal Artillery.
	Do.	27	Improvements to Barrel machine shops, gun carriage factory.	...	
	Do.	28	Constructing a wheat godown	5,950	
	Tenampet	29	Demolition of Wallajah ravelin and 2 lunettes	7,434	Proposed to convert south barracks into quarters for head-quarters staff also.
	Fort St. George.	30	Sergeants' mess for East barracks	6,000	
	St. Thomas Mount.	31	General improvements of the drains of the cantonment.	10,000	
	Do.	32	Quarters for three medical subordinates, Station hospital.	8,000	If field battery is placed in the barracks.
	Do.	33	Quarters for Head-quarters Staff, Royal Artillery	12,000	
	Do.	34	Battery office for P/1st, Royal Artillery	5,000	
	Do.	35	Raising roof of harness room, troop lines	4,200	An estimate of Rs. 2,400 having been sanctioned in G.O., No. 193 W., dated 23rd January 1886, the work is transferred to minor works statement.
	Do.	36	Wooden-shed at the proof range	2,820	
	Do.	37	Converting disused gun-shed between North barracks and main guard into coffee-shop, recreation-room and library.	2,520	
	Pallavaram	38	One mortuary room for each of the three hospitals Nos. 1 to 3.	3,000	
	Do.	39	Magazine for a Madras infantry regiment on standard plan.	4,500	
	Do.	40	Armourers' shop for a Madras infantry regiment	2,880	
	Poonamallee	41	Improvements to old barrack with possibility of obviating construction of the new.	5,000	
	Do.	42	Lightning conductors to the Station hospital	6,360	
	Do.	43	Warrant officers' quarters	3,500	
	Do.	44	Two staff sergeants' quarters, first class	6,000	
	Do.	45	Coffee-shop	9,000	
	Vizianagram	46	Regimental store-room including storage for camp equipage.	5,480	

25TH SEPTEMBER 1886, Nos. 2497, 2498 W., PUBLIC WORKS.

OOTACAMUND,
10th September 1886.(Signed) E. FAUNCE, Brigadier-General,
Offg. Quartermaster General.863
9

25TH SEPTEMBER 1886, Nos. 2497, 2498 W., PUBLIC WORKS.

Office note from the Examiner, Public Works Accounts, dated 16th Sept. 1886, No. 428.

ORDER—dated 25th September 1886, No. 2497 W., Public Works.

Ordered that the schedule of requirements on account of military works in the Madras presidency for 1887-88 be forwarded to the Government of India in the Military Department.

2. Ordered also that the schedules be printed and circulated to Superintending Engineers, who should lose no time in submitting the necessary plans and estimates for the unsanctioned works included in the schedules, as none of them can find place in the budget estimates for 1887-88, unless plans and estimates have been previously sanctioned.

(Here enter No. 2498 W., dated 25th September 1886.)

(True Extract.)

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

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

LETTER—to the Secretary to the Government of India, Military Department, dated Fort St. George, 25th September 1886, No. 2498 W.

In forwarding, herewith, the proceedings of this Government, No. 2497 W., dated 25th September 1886, and the schedules of demands on account of military works for 1887-88, I am directed to solicit the special attention of the Government of India to the remarks of the Quartermaster-General contained in his letter, No. 3275 A., dated 10th September 1886, under "Minor Works," and to urge that a specially liberal grant may be assigned under this service, in order that many important works now kept back for want of funds may be undertaken in the ensuing year.

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

Exd. E. Fernandez.
Spare Copies

863
10

GENERAL
ACCOUNT.

Gobt. of 1886 Madras.
PUBLIC WORKS.

Dated September, 25th.

Recd.

Encl.

G.O., 25th Sept. 1886, No. 2497,
2498 W.I

SEPTEMBER.

Military Works

The schedules of requirements on account
of — in the Madras presidency for 1887-88,
forwarded to the Government of India and
circulated to Superintending Engineers.

Barracks and Buildings
Estimates.

From

BRIGADIER-GENERAL E. FAUNCE,
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/1690 for
providing pipes for carrying off rain water from
the roof of Nos. 1 and 2 Married Ranges, Nos.
1-2 and 3 Barracks, the Sergeants' Mess
and School room occupied by the Royal
Artillery at Bellary, with report.

2. The Work is included in the Schedule
of requirements for 1887/88, printed in O.G.
No. 2497 W of 25th September 1886, M.D. No.
6168 of 4th October 1886.

I have the honor to be,
Sir,

Your obedient servant
H. M. L.
Brigadier General.
Quarter Master General.

QUARTER MASTER GENERAL'S OFFICE,

Ootacamund, 11th March 1887.

No. 1146

263
11

vid. Ca 2136
in file

P. S. & Co. 1886 Nos: 44-45 R
2497-8-15. 9. 86

2135
Military (1887) Department.

No. 1581

From
THE QUARTER MASTER GENERAL,
To
THE SECRETARY TO GOVERNMENT,
MILITARY DEPARTMENT.



Dated 11th March
Received 12th March

16.3.87 42

8/14
18/3/87 ENCLOSURES. 2. (Estimate & report)

Forwarding for sanction and transfer to the P.W.D. for disposal, Estimate & report to Rs 1690 for providing pipes for carrying off rain water from the roofs of certain buildings occupied by the R.A. at Bellary.

B

1514 Approved
and transferred to the
Public Works Department
for disposal.

(By order)

W. H. Kennedy, Esq. Lieut Col
Secretary to Govt

Fort Saint George
14th March 1887

187
Mily wodes

PUBLIC WORKS DEPARTMENT.

W-863. W

863/13

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the 19th March 1887
Read the following

From the Quarter Master General. No. 1146 of 11th March 1887.
Endowment in the Military Dept. No. 1514 of 14th March 1887.

3

The estimate amounting to Rs 1690, for providing pipes to carry off rain water from the roofs of the buildings occupied by the Royal Artillery at Bellary, is sanctioned for execution when funds are available.

2 This sanction has been registered as Imperial Ordinance No. 44 W of 1886-87 and classified as Military Original Works.

26/3/87

I. The Supt Engineer III Circle with 2 employees
• Examined the work with the abt. est. for water retention & 88. III Circle.
• Military Dept.

19.3.87

Cur 19/3/87

2135

Govt. of Madras

PUBLIC WORKS

21/3/16

19th March 1887, No. 863

Buildings occupied by
the Royal Artillery at
Barrack.

Estimate of Rs 1690 for
providing pipes to carry
off rain water from
the roofs of the
Barrack.

10
14