(1) பக்கங்களின் எண்ணிக்கை 50

(2) புதுக்கித் திருப்பிய நாள் 6.6.1988

(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம்

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

பொதுப்பணி துறை

அரசாணை எண். 1042(W) அச்சகம்
மு. கோப்புத் தாள் எண். பலவகை

நாள் : 6.8.1988 198 .

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

ஆவண. கா-1—18,000—15-6-87.

1642
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, 12th March 1888, No. 1187 A. :—

Referring to G.O., No. 7822, dated 12th December 1887, and this office letter, No. 172 A., dated 13th January 1888, I have the honor, by order, to forward, for sanction and transfer to the Public Works Department for disposal, the revised estimate, &c., below mentioned, which have been approved by the Commander-in-Chief. The estimate has been countersigned :—

Revised estimate, amounting to Rs. 11,560, for providing a gun-shed for the use of the G/2nd Royal Artillery at Bellary, with specification and report.

No. 1859, Military.

Approved and transferred to the Public Works Department for disposal.

(By Order.)

FORT ST. GEORGE,
15th March 1888.

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

ORDER—dated 6th April 1888, No. 1042 W., Public Works.

The revised estimate, amounting to Rs. 11,560, for constructing a new gun-shed for the Royal Artillery at Bellary, is sanctioned in supersession of the estimate of Rs. 15,537 sanctioned in G.O., No. 3236 W., dated 28th November 1887.

2. This sanction has been registered as Imperial, Ordinary, No. 1 W. of 1888-89, and classified as Military, Original Works. 1

(True Extract.)

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

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

Exd. J. Moses.
Spare Copies

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1888} Madras.

PUBLIC WORKS.

Dated April, 6th.

Read. *Encl.*

G.O., 6th April 1888, No. 1042 W.

APRIL.

Gun-shed for the Royal Artillery at Bellary

Revised estimate for constructing a new —, sanctioned.

1042

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.

Head of classification.	Executive division.	Locality.	Item No.	Projects and works.	Class.	Original Works.							Remarks.
						Major works.		Minor works.	Total.	Repairs.	Establishment.	Tools and plant.	Suspense.	Grand Total.	
						Works in progress.	New works.								
						Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Accommodation for Troops—Buildings for European Troops in the Plains—Permanent.	West Coast.	Malapuram.	1	New barracks for a detachment of British infantry to accommodate 100 men.	A	20,000	..	..	..	..	..	..	..	..	Estimate of Rs. 1,35,697 was sanctioned 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, alterations and additions to wash-houses.	B	..	12,500	..	..	..	..	..	..	..	Estimate of Rs. 12,500 was sanctioned in G.O., No. 1102 W., dated 7th May 1886. Item No. 23, class C works, budget of 1886-87.
	Nilgiri ..	Wellington.	3	Quarters for three apothecaries.	B	..	..	..	..	..	..	..	..	..	Estimate is awaited.
	Bellary ..	Bellary ..	4	Collarmaker and wheeler's shop, Royal Artillery.	B	..	16,000	..	..	..	..	..	..	..	Estimate of Rs. 6,663 was sanctioned in G.O., No. 914 W., dated 3rd April 1884.—Item No. 3, class C works, budget of 1886-87.
	Presidency.	Fort St. George.	5	Converting a racquet court into a covered gymnasium.	B	9,850	6,663	..	..	..	..	..	..	..	Estimate of Rs. 11,890 was sanctioned in G.O., No. 1652 W., dated 20th June 1884. Item No. 17, class C works, budget of 1886-87.
	Do. .. Chingleput.	Do. .. St. Thomas' Mount.	6 7	Remodelling drainage .. A wheeler and collarmaker's shop, West barracks.	B B	..	10,000 6,660	..	..	..	..	..	..	..	Estimate is awaited. Estimate of Rs. 6,660 was sanctioned in G.O., No. 2717 W., dated 3rd November 1884. Item No. 24, class C works, budget of 1886-87.
	West Coast.	Calicut ..	8	Providing barrack accommodation for 100 men.	B	..	..	..	..	..	..	..	..	..	Estimate is awaited. Amount not entered by the Quartermaster-General.
	Presidency.	Bangalore.	9	Quarters for schoolmaster and schoolmistress.	C	..	10,240	..	..	..	..	..	..	..	Estimate of Rs. 10,240, was sanctioned in G.O., No. 2384 W., dated 20th September 1886. Item No. 19, class C. works, budget of 1886-87.

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.	Suspense.	Grand Total.	Remarks.
						Major works.			Minor works.	Total.						
						Works in progress.	New works.	Total.								
						Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
European Troops in the Plains—Permanent—*cont.*	Presidency.	Bangalore.	10	New orderly-room for 12th Lancers, or conversion of Quartermaster's stores into orderly-room and stores.	C	..	6,500	..	..	..	..	..	..	..	..	Estimate is awaited.
	Do. ..	Do. ..	11	Quarters for senior apothecary, North station hospital.	C	..	5,300	..	..	..	..	..	..	..	..	Estimate of Rs. 5,300 was sanctioned in G.O., No. 3385 W., dated 27th November 1883. Item No. 20, class C works, budget of 1886-87.
	Do. ..	Do. ..	12	Quarters for the assistant apothecary, North station hospital.	C	..	4,773	..	..	..	..	..	..	..	..	Estimate of Rs. 4,773 was sanctioned in G.O., No. 938 W., dated 5th April 1884. Item No. 21, class C works, budget of 1886-87.
	Nilgiri ..	Wellington.	13	Quarters for barrack sergeant.	C	..	7,348	..	..	..	..	..	..	..	..	Estimate of Rs. 7,348 was sanctioned in G.O., No. 1941 W., dated 21st August 1885. Item No. 10, class C works, budget of 1886-87.
	Do. ..	Do. ..	14	Gymnasium	C	..	10,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 7, class C works, budget of 1886-87.
	Bellary ..	Bellary ..	15	A new gun-shed, Royal Artillery.	C	..	3,970	..	..	..	..	..	..	..	..	Estimate is awaited.
	Do. ..	Do. ..	16	Swimming-bath, British infantry.	C	..	7,644	..	..	..	..	..	..	..	..	Estimate of Rs. 7,644 was sanctioned in G.O., No. 2434 W., dated 19th October 1885. Item No. 4, class C works, budget of 1886-87.
	Do. ..	Do. ..	17	Infectious disease ward and cook-house, station hospital.	C	..	6,140	..	..	..	..	..	..	..	..	Estimate of Rs. 6,140 was sanctioned in G.O., No. 320 W., dated 7th February 1884. Item No. 5, class C works, budget of 1886-87.
	Do. ..	Do. ..	18	Alterations and additions to military prison and adjoining buildings.	C	..	11,260	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 2, class C works, budget of 1886-87.
	Do. ..	Do. ..	19	Armourer's shop for the arsenal.	C	..	4,650	..	..	..	..	..	..	..	..	Estimate is awaited.
	West Coast.	Cannanore.	20	Plunge-bath for European infantry barracks.	C	..	4,640	..	..	..	..	..	..	..	..	Estimate of Rs. 4,640 was sanctioned in G.O., No. 418, dated 16th February 1876. Item No. 11, class C works, budget of 1886-87.
Accommodation for Troops—Buildings for	Do. ..	Do. ..	21	Improving latrines for European infantry barracks.	C	..	2,780	..	..	..	..	..	..	..	..	Estimate of Rs. 2,780 was sanctioned in G.O., No. 1056 W., dated 4th April 1879. Item No. 12, class C works, budget of 1886-87.
	Do. ..	Do. ..	22	Improving the roof of regimental guard-room, European infantry barracks.	C	..	5,060	..	..	..	..	..	..	..	..	Estimate is awaited.
	Chingleput.	St. Thomas' Mount.	23	Sergeants' mess for East barracks.	C	..	6,000	..	..	..	..	..	..	..	..	Do.
	Do. ..	Do. ..	24	General improvements to the drains of the cantonment.	C	..	10,000	..	..	..	..	..	..	..	..	Do.
	Do. ..	Do. ..	25	Quarters for three medical subordinates, station hospital.	C	..	8,000	..	..	..	..	..	..	..	..	Do.
	Do. ..	Do. ..	26	Quarters for head-quarter's staff, Royal Artillery.	C	..	12,000	..	..	..	..	..	..	..	..	Do.
	Do. ..	Do. ..	27	Battery office for P/1st, Royal Artillery.	C	..	5,000	..	..	..	..	..	..	..	..	Do.
	Do. ..	Do. ..	28	Raising the roof of harness-rooms, troop lines.	C	..	4,200	..	..	..	..	..	..	..	..	Estimate of Rs. 4,200 was sanctioned in G.O., No. 3137 W., dated 17th December 1881. Item No. 25, class C works, budget of 1886-87.
	Do. ..	Do. ..	29	Wooden shed at the Proof range.	C	..	2,820	..	..	..	..	..	..	..	..	Estimate of Rs. 2,820 was sanctioned in G.O., No. 3077 W., dated 13th December 1884. Item No. 26, class C works, budget of 1886-87.
	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. 1234 W., dated 28th May 1885. Item No. 27, class C works, budget of 1886-87.
	Do. ..	Pallávaram.	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. ..	Poonamallee.	32	Improvements to the old barracks with possibility of obviating construction of the new.	C	..	5,000	..	..	..	..	..	..	..	..	Estimate is awaited.
	Do. ..	Do. ..	33	Warrant officers' quarters.	C	..	3,500	..	..	..	..	..	..	..	..	Do.
	Do. ..	Do. ..	34	Two staff sergeants' quarters, first class.	C	..	6,000	..	..	..	..	..	..	..	..	Do.
	Do. ..	Do. ..	35	Coffee shop	C	..	9,000	..	..	..	..	..	..	..	..	Do.

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.	Projects and works.	Class.	Original Works. Major works. Works in progress.	Original Works. Major works. New works.	Original Works. Major works. Total.	Original Works. Minor works.	Original Works. Total.	Repairs.	Establishment.	Tools and plant.	Suspense.	Grand Total.	Remarks.
						Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Accommodation for Native Troops.	Presidency.	Bangalore.	36	Public buildings for one regiment of native infantry.	A	11,636	..	..	..	..	..	..	..	..	..	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.
	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 1302 W., dated 25th May 1886. Item No. 36, class C works, budget of 1886-87.
	Do. ..	Do. ..	39	Store-rooms and workshops for the Pioneer regiment.	B	..	3,000	..	..	..	..	..	..	..	..	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 (Rayapuram)	41	Flushing drains for native infantry lines.	C	..	4,300	..	..	..	..	..	..	..	..	Estimate of Rs. 4,300 was sanctioned in G.O., No. 1397 W., dated 4th June 1884. Item No. 34, class C works, budget of 1886-87.
	Chingleput.	Pallávaram.	42	Magazine for a Madras infantry regiment.	C	..	4,500	..	..	..	..	..	..	..	..	Estimate of Rs. 4,900 was sanctioned in G.O., No. 334 W., dated 8th February 1886. Item No. 38, class C works, budget of 1886-87.
	Do. ..	Do. ..	43	Armourers' shop for a Madras infantry regiment.	C	..	2,880	..	..	..	..	..	..	..	..	Estimate of Rs. 2,880 was sanctioned in G.O., No. 3149 W., dated 22nd December 1884. Item No. 29, class C works, budget of 1886-87.
	Vizagapatam.	Vizianagrum.	44	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. Item No. 32, class C works, budget of 1886-87.
Ordnance Works.	Presidency.	Fort St. George.	45	Construction of a new magazine in the Wallajah berm.	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.
	Bellary ..	Bellary ..	46	Twelve staff sergeants' quarters, Ordnance Department.	B	..	15,000	..	..	..	..	..	..	..	..	Estimate is awaited.
	Presidency.	Madras ..	47	Coal store, Ordnance Department.	B	..	9,000	..	..	..	..	..	..	..	..	Do.
	Do. ..	Do. ..	48	Compound-wall round the the gunpowder factory.	C	..	20,200	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 39, class C works, budget of 1886-87.
	Do. ..	Do. ..	49	Extra accommodation as store rooms in the gunpowder factory.	C	..	6,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 40, class C works, budget of 1886-87.
Commissariat Buildings.	Presidency.	Bangalore.	50	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. 51, class C works, budget of 1886-87.
	Do. ..	Do. ..	51	Quarters for ambulance sergeant near cattle lines, Transport Department.	C	..	3,000	..	..	..	..	..	..	..	..	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.
	Do. ..	Do. ..	53	Workshops and sheds for carts, doolies, &c., 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 Depôt.	C	..	5,300	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 48, class C works, budget of 1886-87.
	Do. ..	Teynampet.	55	Construction of a wheat godown.	C	..	5,950	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 46, class C works budget of 1886-87.
	Chingleput.	Guindy ..	56	Quarters for station butchers attached to slaughter house.	C	..	4,730	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 52, class C works, budget of 1886-87
Fortifications.	Presidency.	Fort St. George.	57	Facing the enceinte of Fort St. George with Portland 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. 528 W., dated 7th March 1885. Item No. 54, class C works, budget of 1886-87.
	Presidency.	Fort St. George.	59	Demolition of Wallajah ravelin and two lunettes.	C	..	7,426	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 53, class C works, budget of 1886-87.
Miscellaneous.	Nilgiri ..	Ootacamund.	60	Water-supply, Lawrence Asylum.	C	..	7,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 55, class C works, budget of 1886-87.
				Total ..	..	73,046	4,12,684	4,85,730	1,20,000	6,05,730	3,50,600	2,19,817	9,553	..	11,85,100	

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 1887-88.

Division or district.	Station.	Description of buildings, &c., and for what corps, departments needed.	Approximate estimate of cost.	Remarks by the Commander-in-Chief.
			Rs.	
Eastern district.	Fort St. George.	Store-room, forge workshop—Arsenal.	520	When funds are available.
	Do. ...	Railings to miscellaneous workshop, &c.—Arsenal.	790	
	Do. ...	A new bridge across trench in new park—Arsenal,	810	
	Do. ...	Improving store godowns—Arsenal.	700	Very necessary. Estimates already sanctioned by Government.
	Do. ...	Do. do.	847	
	Do. ...	Alterations to lower story barracks for armourer shop.	2,367	Very desirable.
	Do. ...	Mess-house verandah—Completion of.	1,900	
	Do. ...	I. room alterations for theatre.	1,000	When funds are available.
	Do. ...	Pipes to carry off main water from the barracks—Officers' quarters, &c.	990	Recommended.
	Do. ...	Improvements to military prison.	810	When funds are available.
	Do. ...	Putting up 13 ventilator windows in the mess-room of the officers' mess-house of the British Regiment.	600	
	Madras ...	Ordnance store-room—Beach ...	1,250	Necessary.
	Do. ...	Huts, infectious disease—Station hospital.	750	When funds are available.
	Do. ...	Dispensary—Veterinary department, Body Guard.	1,300	
	Do. ...	Regimental school—Perambúr lines, Madras Infantry.	1,375	
	Do. ...	Armourer shops—Perambúr lines, Madras Infantry.	2,000	
	Do. ...	Shed to hold fire-engine at the Government Bakery.	820	Approved.
	Do. ...	Constructing two servants' quarters to each of the Sub-Conductor's quarters of the Commissariat department in the Ordnance lines.	1,145	When funds are available.
	Do. ...	Constructing a water trough and laying in Red Hills water to it for the new Transport lines in the Pudupet plain.	820	
	Do. ...	Godown, wheat, &c.	1,785	
	Do. ...	Drainage—Bakery premises ...	950	
	Do. ...	Gram-boiling shed—Mule lines.	1,500	
	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.	530	*Vide* G.O., No. 1233 W., dated 28th May 1885. Very necessary.
	Do. ...	Constructing a second verandah to the harness rooms attached to east barracks, R.A.	1,170	When funds are available.

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

Division or district.	Station.	Description of buildings, &c., and for what corps, departments needed.	Approximate estimate of cost.	Remarks by the Commander-in-Chief.
			Rs.	
Eastern district—*cont.*	Pallávaram ...	Camp Equipage store—Madras Infantry.	1,500	When funds are available.
	Do. ...	School—Madras Infantry ...	1,230	
	Do. ...	Tiled shed	636	
	Poonamallee ...	Alteration—Barracks	1,000	
	Do. ...	Wall, new—Family quarters ...	1,000	
	Do. ...	Constructing new walls between the latrines of the family quarters.	730	
	Do. ...	Providing lightning conductor to the Station hospital.	2,400	
	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	
	Berhampore ...	Building for Commissariat stores and office.	1,200	
Bangalore division.	Bangalore ...	Royal Artillery—Latrine, Staff Sergeants' quarters, Royal Horse Artillery.	2,100	Very necessary on sanitary grounds.
	Do. ...	Quarters, Battery — Quartermaster Sergeant, Royal Horse Artillery..	1,100	Desirable.
	Do. ...	Cook-house—Sergeants' mess, field batteries.	1,470	Necessary.
	Do. ...	Latrine for men—Stables, field batteries.	620	
	Do. ...	Board floor recreation room—Royal Horse Artillery.	1,240	
	Do. ...	Stone floor to gun-shed, &c. ...	1,160	
	Do. ...	Stone drains—Staff Sergeants' quarters.	564	Necessary. Estimates already sanctioned by Government.
	Do. ...	Two Riding schools	1,156	
	Do. ...	Latrine—Six seats for men at stables	600	Very desirable.
	Do. ...	Camp Equipage stores—Connecting with water-supply.	1,170	When funds are available.
	Do. ...	Latrine for followers	1,600	Necessary.
	Do. ...	South Station Hospital—Quarters for men of Army Hospital Native Corps.	924	
	Do. ...	North Station Hospital—Quarters for men of Army Hospital Native Corps.	756	
	Do. ...	Improving place of arms and hospital.	700	
	Do. ...	Improving Staff Sergeants' quarters.	2,000	When funds are available.
	Do. ...	Improving Sergeant Butcher's quarters.	525	Very necessary.
	Do. ...	Improving road from race-course barracks to slaughter-house.	1,400	When funds are available.
	Do. ...	Additions to accommodation in Transport lines.	1,545	Urgently required.
	Do. ...	Converting Sergeants' quarters into Sub-Conductors' quarters.	1,000	Very necessary.
	Do. ...	Two grass-sheds for the two field batteries.	920	Unauthorised but desirable.

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

Division or district.	Station.	Description of buildings, &c., and for what corps, departments needed.	Approximate estimate of cost.	Remarks by the Commander-in-Chief.
			RS.	
Bangalore division—*cont.*	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	Desirable.
	Wellington ...	Renewing floors of latrines and school block.	1,680	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.
	Do. ...	Reflooring Commissariat storerooms with asphalte.	670	
Ceded districts.	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, Station hospital.	1,200	Very desirable.
	Do. ...	Compound wall for the quarters of the Army Hospital Corps.	1,346	When funds are available.
	Do. ...	Compound wall with two gates to enclose female hospital attached to Station hospital.	1,300	
	Do. ...	Compound wall for medical subordinates' quarters, Station hospital.	535	
	Do. ...	Enlarging a well in the cantonment.	854	
	Do. ...	Converting No. 5 division workshop in the Arsenal into an office for the Gate Conductor.	1,750	
Western district.	Cannanore ...	Station hospital—Sinking well.	700	Strongly recommended.
	Do. ...	Replacing the present flooring of the European Infarntry cells with concrete in chunam and asphalte.	1,100	Approved.
	Do. ...	Replacing the laterite flooring of the recreation room with concrete in chunam and asphalte, 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	

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

Division or district.	Station.	Description of buildings, &c., and for what corps, departments needed.	Approximate estimate of cost.	Remarks by the Commander-in-Chief.
			RS.	
Western district—*cont.*	Cannanore ...	Alterations and additions to the divisional offices of the Quartermaster-General's department.	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	

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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.

* *Vide* this office letter, No. 2688 A., of 3rd August 1886, to Government, Military Department.

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

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.

CLASS A.

WORKS commenced for completion of which grants are required.

Command.	Station.	Item No.	Work.	Cost.	Remarks.
				RS.	
Bangalore division.	Bangalore ...	1	Subsidiary buildings (including magazine) for one Madras infantry regiment.	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 berm.	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.
				RS.	
Bangalore division.	Bangalore ...	1	Subsidiary buildings, Madras cavalry regiment (less magazine).	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 racquet 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).
	Do.	8	Remodelling drainage	10,000	Improvements to drainage very desirable.
	Do.	9	Facing the enceinte of Fort St. George with Portland cement.	5,000	
Eastern district.	Saint Thomas' Mount.	10	A wheeler and collarmaker's shop for the West barracks.	5,660	
	Vellore ...	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).
	Madras ...	12	Coal store, Ordnance Department	9,000	A building is now being rented for this purpose at Rs. 100 per mensem.
Western district...	Calicut ..	13	Providing barrack accommodation for 100 men		In order to do away with the necessity of keeping any British troops at Cannanore.

OOTACAMUND,
10th September 1886.

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

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CLASS C.

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

Command.	Station.	Item No.	Work.	Cost.	Remarks.
				RS.	
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	
Ceded Districts.	Wellington ...	7	Laying on drinking water to hospital	5,000	An estimate of Rs 2,226 having been sanctioned in G.O., No. 893 W., dated 2nd April 1886, the work is transferred to minor works statement.
	Do.	8	Quarters for barrack sergeant	7,348	
	Do.	9	Gymnasium	10,000	
	Trichinopoly ...	10	Workshops for a Pioneer regiment	8,000	Commander-in-Chief considers this essential.
	Ootacamund ...	11	Water-supply, Lawrence Asylum	7,000	
	Bellary ...	12	A new gunshed, Royal Artillery	3,970	
	Do.	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 adjoining building.	11,260	Very necessary.
	Do.	16	Armourers' shop for the arsenal	4,650	
Western district	Cannanore ...	17	Plunge-bath, European infantry barracks	4,690	
	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, Guindy.	4,740	

Eastern District.	Do.	23	Lines for Transport attendants	48,000	
	Do.	24	Workshops and sheds for carts, doolies, &c., Transport Department.	5,500	
	Do.	25	Construction of a shed at the Camp Equipage Depôt.	5,300	
	(Rayapuram) ...	26	Flushing drains for native infantry	4,300	
	Do.	27	Improvements to Barrel machine shops, gun carriage factory.	...	The work having been already completed, it has been omitted.
	Tenampet ...	28	Constructing a wheat godown	5,950	
	Fort St. George.	29	Demolition of Wallajah ravelin and 2 lunettes ...	7,434	
	St. Thomas' Mount.	30	Sergeants' mess for East barracks	6,000	
	Do.	31	General improvements of the drains of the cantonment.	10,000	
	Do.	32	Quarters for three medical subordinates, Station hospital.	8,000	Proposed to convert south barracks into quarters for medical subordinates if not required for Battery, Royal Artillery.
	Do.	33	Quarters for Head-quarters Staff, Royal Artillery ...	12,000	Proposed to convert south barracks into quarters for head-quarters staff also.
	Do.	34	Battery office for P/1st, Royal Artillery	5,000	
	Do.	35	Raising roof of harness room, troop lines	4,200	
	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	If field battery is placed in the barracks.
	Pallávaram ...	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	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.	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.	3,480	

OOTACAMUND,
10th September 1886.

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

1062

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.
To 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

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GENERAL.
ACCOUNT.

Govt. 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.

18TH JULY 1887, No. 1922 W., PUBLIC WORKS.

1042
11

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

READ—the following letter from C. J. PETERS, Esq., Superintending Engineer, III Circle, to the Chief Engineer, Public Works Department, dated Bellary, 6th July 1887, No. 616 :—

With reference to paragraph 2 of G.O., No. 1692 W., dated 23rd June 1887, I have the honor to forward, for sanction, an estimate of Rs. 18,000 for a new gun-shed for the S/2 Battery, Royal Artillery.

2 The estimate has been prepared, by mistake, on the standard plan of 1865, but as the difference between it and the revised one of 1871 is not great, I forward the estimate as it is, to save further delay, and a correct revised estimate will be at once prepared and the work proceeded with as it is urgently required, now that it has been apparently decided to keep two batteries permanently at Bellary.

ORDER—dated 18th July 1887, No. 1922 W., Public Works.

Sanction is accorded to the commencement of the work of constructing a new gun-shed for the Royal Artillery at Bellary in accordance with the standard design of 1871.

2. The estimate received from the Superintending Engineer will be returned in view to the early submission of a revised estimate according to the latest standard design, which is understood to be that of 1871.

(True Extract.)

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

To the Superintending Engineer, III Circle, with five enclosures.
„ Examiner, Public Works Accounts.
„ Military Department.

Exd. E. Fernandez.
Spare Copies

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1887} Madras.

PUBLIC WORKS.

Dated July, 18*th*.

Recd. *Encl.*

G.O., 18th July 1887, No. 1922 W.

JULY.

Gun-shed for the Royal Artillery at Bellary

The commencement of the construction of a new — sanctioned, and the estimate returned for revision.

1042
1/2

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

Read—the following papers:—

From Brigadier-General E. FA[illegible]CE, Quartermaster-General, to the Secretary to Government, Public W[illegible] Department (through the Military Department), dated Ootacamund, [illegible] August 1887, No. 2950 A.

In continuation of this office [illegible], No. 2562 A., dated 22nd July 1887, I am desired to bring to your notice the [illegible]owing cases in which delays have taken place in the submission of plans and estim[illegible] urgently called for:—

I. *Gun-shed for Royal Artill[illegible] at Bellary.*—This work was included in the list of B. works pro[illegible]osed for the budget of 1887-88, and entered in the schedule of military works, plans and estimates for which were called for by Government, but it was not until July 1887 that they were submitted, and then not through the Commander-in-Chief.

Proceedings of Govt., No. 497 W., dated 25th September 1886.

Vide Proceedings of Govt[illegible]o. 1922 W., dated 18th July 1887.

II. *Workshop for Pioneer R[illegible]giment, Bangalore.*—An allotment for this work has been made in the [illegible]dget for the year. The plan and estimate for this work, sanctioned by Government, not providing for a chuckler's shop which was considered essential, a revised plan and estimate, including this requirement, was called for in the end of May, but though repeated applications for their submission have been made, the General Officer Commanding Bangalore Division has not yet succeeded in obtaining them from the Executive Engineer.

Proceedings of Govt., No. 534 W., dated 24th February 1887.

III. *Alterations to old Adjutant-General's office in Fort St. George to adapt it for use as a barrack for British troops.*—The plan and estimate for this were submitted in December last, but were returned as not being required then. The urgent necessity for using this block as a barrack having again been brought forward, the plans and estimates (slightly modified since last year, as conditions have somewhat changed) were called for early in July, but notwithstanding repeated reminders, the General Officer Commanding has not yet succeeded in obtaining them from the Executive Engineer; the proposal to use the building as a barrack has therefore had to be submitted to Government without plans and estimates.

IV. *Butchers' quarters, Bangalore.*—This work is one which became suddenly emergent consequent on the condemnation by the medical authorities of the quarters at present occupied by the sergeant-butcher; plan and estimates for new quarters were accordingly called for early in the month of June last in order that, having been sanctioned by Government, no delay in execution of the work might take place if later in the year funds for it could be made available by reappropriation; but the General Officer Commanding Bangalore Division reports that up to date he has not obtained them though he has frequently called for them.

V. In June last the General Officer Commanding Bangalore Division was asked to furnish a plan and estimate of one of the existing regimental places of arms for Madras Infantry at Bangalore, they being required for transmission to the Commander-in-Chief in India, but notwithstanding repeated calls for them, the Executive Engineer has not yet furnished them. Similar plans, &c., called for from other stations at the same time have been received long since and transmitted to the Commander-in-Chief in India.

2. The Commander-in-Chief regrets that he should find it necessary to bring such facts as these to your notice, but he thinks it desirable that they should be brought forward in the interests of the public service which certainly suffer by such delays, to whatever cause they may be attributable, and which therefore demand that these causes be removed if possible.

No. 5153, Military.

Forwarded.

(By Order.)

Ootacamund, 22nd August 1887. (Signed) A. KENNEY-HERBERT, Brigdr.-Genl., Secretary to Government.

No. 478 D.

Referred to the Superintending Engineer, V Circle, for early explanation with respect to items II to V.

2. Copy of paragraph I, clause I, will be forwarded to the Superintending Engineer, III Circle, for explanation.

Ootacamund, 23rd August 1887. (Signed) J. O. HASTED, Colonel, R.E., Secy. to Govt., P.W.D.

From Brigadier-General E. FAUNCE, Quartermaster-General, to the Secretary to Government, Public Works Department (through the Military Department), dated Ootacamund, 25th August 1887, No. 3016 A.

Referring to this office letter, No. 2950 A., of 20th instant, I am desired to state that since its despatch the following plans and estimates have been received in this office :—

I. Plan and estimate for workshops, &c., for the Pioneer Regiment at Bangalore with the addition of a chuckler's shop.

II. Plan and estimate of one of the existing Madras Infantry place of arms at Bangalore adapted for the arms and accoutrements of a whole regiment.

No. 5254, Military.

Forwarded to the Public Works Department in continuation of Military Department, No. 5153, dated 22nd August 1887.

(By Order.)

Ootacamund, 26th August 1887. (Signed) A. KENNEY-HERBERT, Brigdr.-Genl., Secretary to Government.

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From Colonel H. M. VIBART, R.E., Superintending Engineer, V Circle, to the Chief Engineer, Public Works Department, dated Chepâk, 7th September 1887, No. 2382.

In returning your endorsement No. 478 D., dated 23rd August 1887, I have the honor to state that the revised estimate for store-rooms and workshops for the Pioneer Regiment at Bangalore, including provision for a chuckler's shop, was received from the Executive Engineer in my office on the 6th August 1887 (see paragraph 2 of my letter, No. 1983, of 9th August 1887); it was examined in my office and was sent on for the sanction of Government through the Assistant Quartermaster-General, Bangalore Division, on the 17th August 1887.

2. As regards the plan and estimate for alterations to the old Adjutant-General's office in Fort St. George, these are for work which is part of the scheme for providing additional accommodation for troops in Fort St. George, and were prepared and submitted to the military authorities at the same time as those for alterations to A block barracks referred to in my letter, No. 1929, dated 4th August 1887, and were repeatedly returned by the military authorities and reforwarded to them, as were those for alterations to A block (see paragraphs 2 and 3 of my letter, No. 1929, above alluded to). The plan and estimate were last returned by the military authorities for revision on the 16th December 1886. Revised plan and estimate, prepared in accordance with the suggestions of the military authorities, were, as desired by them, forwarded for the opinion of the Deputy Surgeon-General, Her Majesty's Forces, on the 11th March 1887. The Deputy Surgeon-General has made suggestions involving changes in the proposed use of certain portions of the building, and the Executive Engineer has been requested to have fresh plan and estimate made in accordance with the Deputy Surgeon-General's suggestions. These will be submitted with as little delay as possible.

3. I would mention that the frequent revisions of estimates for particular works at the suggestions of the military and the medical authorities and special calls from the military authorities for plans and estimates must cause considerable delay in order that a due share of attention may be given to estimates for other works, military and civil, of which there is a very large number every year in the Presidency division.

4. I have, however, directed the Executive Engineer to expedite the revised plan and estimate for alterations to old Adjutant-General's office. As regards the plan and estimate for new butchers' quarters, Bangalore, the approximate cost of the work was reported by the Executive Engineer to the Assistant Quartermaster-General, Bangalore division, on the 10th July 1887, and then a detailed plan and estimate for the work were called for by the military authorities on the 15th August 1887, upon which the preparation of the detailed plan and estimate was commenced, and these will be ready this week. Looking to the circumstance of the detailed plan and estimate having been called for on the 15th August, there seems to have been no delay in this case on the date of the Quartermaster-General's letter, the 20th August. The plan and estimate of one of the existing place of arms for Madras Infantry Regiment required for the Commander-in-Chief were forwarded by the Executive Engineer to the Assistant Quartermaster-General, Bangalore division, on the 17th August 1887.

Order—dated 21st September 1887, No. 2508 W., Public Works.

The Superintending Engineer's letter will be communicated to His Excellency the Commander-in-Chief through the Military Department.

2. A revised plan and estimate for constructing workshops for the Pioneer Regiment at Bangalore were received in this department with Military Department endorsement, No. 5253, dated 26th August 1887, but as the question of the commencement of the work has had to be referred to the Government of India, the estimate has not yet been sanctioned. The Superintending Engineer states that the revised estimate was received by him from the Executive Engineer on the 6th August 1887, but

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1887} Madras.

PUBLIC WORKS.

Dated September, 21st.

Read. *Encl.*

G.O., 21st Sept. 1887, No. 2508 W.

SEPTEMBER.

Military Works

Orders on correspondence relating to the delay in the submission of plans and estimates for certain — by the Executive Engineer, Bangalore Division.

28TH NOVEMBER 1887, No. 3236 W., PUBLIC WORKS.

1042
15

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

READ—the following letter from Brigadier-General E. FAUNCE, Quartermaster-General, to the Secretary to Government, Military Department, dated Ootacamund, 11th November 1887, No. 4381 A :—

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

Estimate, amounting to Rs. 15,537, for constructing a new gun-shed for the G-2nd Royal Artillery at Bellary, with report and plan.

ENCLOSURE.

REPORT to accompany estimate for constructing a gun-shed for G. 2nd Royal Artillery at Bellary as per standard design accompaniment to G.O., No. 2576, dated 10th October 1871, with modifications.

Amount of Estimate, Rs. 15,537.

This estimate has been prepared at the request of the Military authorities. The new gun-shed is intended to replace the one now in use, which was, I believe, condemned some years back.

2. It will be observed that the accommodation provided is in excess of that shown on the standard plan. The extra compartments were said to be necessary by the Officer Commanding G-2nd Royal Artillery, whom I was directed to consult regarding the accommodation required.

3. The site has been chosen by a standing barrack committee. A drain runs rather close to the building, but this could easily be diverted.

4. Nothing has been allowed in the estimate for value of materials belonging to old gun-shed, as the new work will be finished before the old is pulled down; it will not be possible to utilise any of the old materials for the new building, and if put up to auction they will fetch very little.

BELLARY,
26th October 1887.

(Signed) A. H. GARRET,
Executive Engineer, Bellary Division.

No. 7088, Military.

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

(By Order.)

FORT ST. GEORGE,
15th November 1887.

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

ORDER—dated 28th November 1887, No. 3236 W., Public Works.

The estimate, amounting to Rs. 15,537, for constructing a new gun-shed for the Royal Artillery at Bellary, is sanctioned.

2. An allotment of Rs. 3,970 has been made for expenditure on the work during the current official year.

3. The accommodation provided in the plan is in excess of that allowed in the standard design of 1871 by five compartments; and His Excellency the Commander-in-Chief will be requested, in the Military Department, to report whether, in his opinion, the question of issuing a revised standard plan should be submitted to the Government of India for consideration.

4. This sanction has been registered as Imperial, No. 53 W. of 1887-88, and classified as Military, Original Works.

(True Extract.)

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

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

Exd. E. Fernandez.
Spare Copies

1042/16

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1887} Madras.

PUBLIC WORKS.

Dated November, 28th.

Read. *Encl.*

G.O., 28th Nov. 1887, No. 3236 W.

NOVEMBER.

Gun-shed for the Royal Artillery at Bellary

Estimate of Rs. 15,537 for constructing a new —, sanctioned with remarks.

Military Buildings

No. 393

Government of Madras.

MILITARY DEPARTMENT,

Fort St. George, the 19th January 1888.

1042
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From the Quarter Master General, to the Secretary to Government, Military Department, № 172-A, Dated Ootacamund 13th January 1888.

Referring to para 3 of G.O. № 3236 W, of 28th November 1887, & M.R. № 7822 of 12th December 1887, I am desired to state that the extra accommodation provided for, in the plan, was suggested by the Officer Commanding, G. Battery, 2nd Brigade Royal Artillery, at Bellary, in view of the possibility of the Battery at that station being placed on the War Establishment with 3 Extra Ammunition Wagons.

2 As by Special India Army Circular dated 27th October 1887, the Battery at Bellary will not be one of those pla

on

1042
18

on War footing, the Commander-in-Chief considers, that the accommodation in the Gunshed to be provided there should be limited to that of the standard plan of 1871, the General Officer Commanding the District has already been instructed to inform the local Public Works Department authorities accordingly so that no work may be put in hand in connection with the increased accomodation contemplated in the plan sanctioned, which should now be revised accordingly.

3 From what has been said above, it will be noted that no revision of the standard plan of 1871 is called for.

Order:— Communicated to the Public Works Department, with reference to P.G. No 3236W, dated 28th November 1887.

(True Extract):-

A Kennet Herbert Brigde Genl.
Secretary to Government

To
The Public Works Department

WR

P.W.C. No. 613

No 290 w dated 26th January/88

Communicated in continuation of G.O. No 3236 W of 28th Nov. 1887, to the S.E. III Circle, for early submission of a revised estimate.

23.1.88

23/1/88

R. 21.1.88

No 290 W dated 24th January/88

Fr/24/1

S.E. III circle
Mily Dept

Desptd 25-1-88

Military Buildings

No. 993

Government of Madras.

MILITARY DEPARTMENT,

Fort St. George, the 13th February 1888.

1042

From the Quarter Master General, to the Secretary to Government, Military Department, No. 475-A, dated Cotacamund 1st February 1888.

Referring to G.O. No 595 of 27th January 1888, I am desired to bring to notice that G.O. No 7822, of 12th December 1887 refers to the construction of a gunshed for the battery of Royal Artillery, which is permanently alloted to Bellary and has no reference to any increased accommodation required for the extra Battery temporarily located at that station

x96 3236 W dated 28-11-87

The plan and estimate for the gunshed will require revision with reference to what was stated in this office letter No 172-A, dated 13th January 1888, but it is hoped that as funds are

290 W of 24-1-88

available,

available for the commencement of the work, it may be pushed on in anticipation of preparation of revised plan and estimate, so that the grant for it may not lapse.

Order:— Communicated to the Public Works Department, with reference to G.O. № 290 W, dated 24th January 1888, and P.G. № 393, dated 19th January 1888.

2 The Government in the Military Department trust that it will be found practicable to commence work on the Gunshed which is to be in accordance with the Standard plan of 1871- so that the allotment of Rs 3970 made to the work may be expended during the current official year.

(True Extract)

A. Kennedy Herbert Brigde Gl
Secretary to Government

To The Public Works Department
AA — Quarter Master General

1042
20

PWC No 1474

3236 W — 28-11-87
290 W — 24-1-88 with
Cir 3275 SP

No 574 W dated 16th Feb/88

B Rg 16.2.88

Communicated to the
Supdg Engr III Circle
who will arrange for
utilising the current
year's grant for the
work and submit
without delay the
revised estimate called
for in G.O. 290 W. dd
24. January 1888.

Mar
17.2.88

Mcj

SE III Circle
Kirkee
Recd 18.2.88.

17/2/88

SDB
20/2
SE
20/2

Barracks and Buildings.
Estimates.

QUARTER MASTER GENERAL'S OFFICE,
Ootacamund, 12th March 1888.

No. 1187 A.

1042
21

From

BRIGADIER-GENERAL E. FAUNCE,
QUARTER MASTER GENERAL,

To

THE SECRETARY TO GOVERNMENT,
MILITARY DEPARTMENT.

SIR, Referring to G.O. No. 7822 of 12th Dec 1870 this office letter No. 172 A of 13/1/88

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

Revised Estimate amounting to Rs. 11560, for providing a gun shed for the use of the G/2nd R.A. at Bellary with specification and report.

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

D.J. Swaldon Lt Col
Dy. Qr Mr Genl

Cir

5.5.C. Recd.

1042
22

P.G. 12.12.87 W. 28/282 R
" 19.1.88 - 45/58 R
" 13.2.88 - 323/44 R
" 21.2.88 - 617/88 R

MILITARY (1888.) DEPARTMENT.

PWC No. 2615

No. 19 / 12

From

THE QUARTER MASTER GENERAL,

OOTACAMUND,

To

THE SECRETARY TO GOVERNMENT,

MILITARY DEPARTMENT.

Dated 12th March
Received 14

19.3.88

No. 1187 A

Enclosures 3

Forwards for sanction and transfer to the Public Works Department for disposal, ~~plan~~ revised and estimate for a gun shed for 5/2 Ka. at Bellary

No. 1859

Approved and transferred to the Public Works Department for disposal.

Akenn Herbert
Secretary to Govt
Fort St. George
15th March 1888

No. 2497-98 W. of 25.9.86
" 1692 W of 23.6.87
" 1922 W of 18.7.87
" 2508 W of 21.9.87
" 3236 W of 28.11.87
" 290 W of 24.1.88
" 574 W of 18.2.88

28/3/88

Rec'd 18.2.88

Public Works Department.

1042 W

Current No. 2615
Letter No. 1859
Dated 15th March 1888
From the Secy. to Govt. Military Department
Sanction Accn 27.3.88

NOTE OF REMARKS.

The revised Estimate under review amounting to Rs 11,560 provides for constructing a gun shed for the 5 & 2 Batteries Royal Artillery at Bellary.

It is explained that the two gun shed is to replace the one in use at present which it is believed was condemned many years ago.

The site was selected by the Standing Barrack Committee.

It is stated that nothing has been allowed in the Estimate for value of old materials which cannot be utilized in the new work as the old shed will not

90 W 574 W 18-2-88
290 W 24-1-88
3236 W 28-11-87
2497-98 25-9-86
1692 W 23-6-87
2508 W 21-9-87
1922 W 18-7-87

28/3 Rec'd 6/4

B & R

Military Works

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 6th April 88

READ the following

From the Quarter Master General. H.E. No. 1187 A dy/12th March 1888

Endorsement by the Military Department. H.E. No. 1857 dy/15th March 1888.

The revised estimate amounting to Rs. 11,560, for constructing a new gun-shed for the Royal Artillery at Bellary, is sanctioned in supersession of the estimate of Rs. 15,537 sanctioned in G.O. No. 3236 W dated 28th November 1887.

2. This sanction has been registered as Imperial Ordinary No. 1 W of 1888-89 and classified as Military Original Works.

To The Supty. Engr. III circle with 4 enclos.

" Examiner of P. W. Accts with the duplicate abstract estimate.

" Military Department.

Rs. 15,537

Military Works

Public Works Department.

Read the following

From the Quarter Master General. H.E. No. 1187 A dy/12th March 1888

Endorsement by the Military Department. H.E. No. 1857 dy/15th March 1888.

this number into the rows and it completes the Estimate amount to Rs 15,537 was sanctioned from this work in G.O. No 3236 W dy/28th Nov/87 work in which, para 3 the Excess recommended provided was pointed out. The plan appears has since been revised to agree with the standard designs and the area of this Estimate reduced by Rs 3,977 as from Rs 15,537 to Rs 11,560.

The rates are fair. The Estimate has been countersigned by the Exv. E. W. Comm and approved by Govt in Mily: Dept.

Sup
23/2/88.

a 28/3/88

The revised estimate amounting to Rs. 11,560, for constructing a new gun-shed for the Royal Artillery at Bellary, is sanctioned in supersession of the estimate of Rs. 15,537 sanctioned in G.O. No. 3236 W dated 28th November 1887.

2. This sanction has been registered as Imperial Ordinary No. 1 W of 1888-89 and classified as Military Original Works.

Ques
25.3.88

30/3/88

D 14/4

To The Supty. Engr. III circle with 4 enclos.

" Examiner of P. W. Accts with the duplicate abstract estimate.

" Military Department.

Cr

Vr 2.4.13

1042
25

OLS 8.III
SHW 2.17.88
M. 4.4.88.
25/5/88 Rct 6/4
Seed 7/4
SPB

Govt. of Madras.

PUBLIC WORKS.

7/4/1888

Dated

Rect. Encl.

C. to Pl 8 1042. W.

Gun-shed for the Royal Artillery at Bellary

Revised estimate for Sanctioned.

90/-

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7/4