(1) பக்கங்களின் எண்ணிக்கை 114

(2) புதுக்கித் திருப்பிய நாள் ஆகஸ்ட் 1988

(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம்

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

பொதுப்பணித் துறை

அரசாணை எண். —
மு. கோப்புத் தாள் எண். 3105-6 W

அச்சகம்
பலவகை

நாள் : 4-10-1888

1988.

கவோ கண்டபடி கையாளவோ கூடாது

கா-1—18,006—15-6-87.

3105-06

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Military Works Account.

READ—the following papers:—

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

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

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

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

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

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

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

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

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

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

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

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

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

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

—

EXCESS.

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

Command.	Station.	Item No.	Work.	Cost.
				RS.
Southern district ...	Malapuram ...	1	Barracks for a detachment to accommodate 50 additional men	90,000
Eastern district ...	Poonamallee ...	2	New barracks	20,000
Southern district ...	Wellington ...	3	Quarters for three Apothecaries.	9,500
Bangalore division ...	Bangalore ...	4.	Addition to public buildings, Madras Infantry Regiment, *for a* Pioneer Regiment.	5,000

OOTACAMUND,
8th September 1888.

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

CLASS B.—Works of special urgency not yet commenced for which funds are absolutely required.

Command.	Station.	Item No.	Work.	Cost.	Remarks.
				RS.	
Bangalore division ...	Bangalore ...	1	Public buildings for a Madras Cavalry Regiment.	20,000	Item 6, class B works, budget of 1887-88, and item 41, class C works, budget of 1888-89.
Eastern district ...	Fort St. George.	2	Sundry works in connection with extra accommodation, British Infantry.	12,345	Item 24, class C works, budget of 1888-89.
Ceded districts ...	Bellary ...	3	New saddle rooms for a Madras Cavalry Regiment.	15,000	G.O., No. 1288 W., dated 2nd May 1888.
Madras	Presidency ...	4	Institutes of British Regiments and Batteries in the Presidency.	30,000	
Ceded districts ...	Guntakal ...	5	New rest-house and site for rest-camp	6,705	
Eastern district ...	Madras ...	6	Alterations to Rifle Range at Veysarpady ...	6,130	G.O., M.D., No. 875, dated 8th February 1888.
Ceded districts ...	Bellary ...	7	Swimming-bath, British Infantry	7,644	Item 8, class C works, budget of 1888-89.
Do. ...	Do. ...	8	Alterations and additions to Military Prison ...	3,980	Item 2, class C works, budget of 1888-89.
Eastern district ..	Madras ...	9	Workshops and sheds for carts and Cattle Transport Department.	20,000	Item 55, class C works, budget of 1888-89.
Do. ...	Vellore ...	10	Providing accommodation in the Fort for two companies, Native Infantry.	3,490	Estimate before Government.

OOTACAMUND,
8th September 1888.

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

2/3105/06

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

Command.	Station.	Work, &c.	Cost.
			Rs.
Bangalore division ..	Bangalore ...	One block of two quarters for two Sergeants, "Queen's Own" Sappers and Miners ...	3,600
Ceded districts ...	Bellary ...	New guard-room for station hospital	4,290
		New wing places-of-arms for two regiments, Madras Infantry	60,000
		Purveyor's quarters for the station hospital.	3,046
	Wellington ...	Quartermaster's store and office on standard plan for British Infantry Regiment ...	25,000
		A ward to accommodate 35 men, station hospital	20,000
		Quarters for 32 men, Army Hospital, Native corps	12,380
		Quarters for Milling Engineer, Commissariat Department	7,500
Southern district.	Calicut ...	A bakery	6,860
		A new barrack with subsidiary buildings for 30 men	20,000
	Cannanore ...	Quarters for 11 men of the Army Hospital, Native corps	3,670
	Ootacamund ...	Quarters for a Sub-Conductor attached to Army head-quarters	7,500
		Converting the Sapper hospital building on Stonehouse hill into quarters for two Sergeant Instructors, Nilgiri Volunteer Rifles.	3,600
		Wash-house to be built outside the barracks in lieu of the north and south wash-houses inside	2,500
Eastern district ...	Fort St. George.	Garrison bazaars to be done away with and new cook-houses built on site	4,500
		Mule-shed at Transport lines, Pudupet ...	11,210
	Madras ...	Quarters for two Sergeants at Pudupet ..	3,500
		Constructing a new road from the Mount Road direct to the slaughter-house, Saidápet	3,468

OOTACAMUND,
8th September 1888.

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

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

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

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

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

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

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

3/810506

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

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

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

(True Extract.)

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

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

Exd. J. Henricus.
Spare Copies

MILITARY WORKS.
ACCOUNT.

Govt. of | 1888 | Madras.

PUBLIC WORKS.

Dated October, 4th.

Read. *Encl.*

G.O., 4th Oct. 1888, No. 3105 W.

OCTOBER.

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

Orders on —.

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

BUILDINGS AND ROADS.

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

Head of classification.	Executive division.	Locality.	Item No.	Projects and works.	Class.	Outcurve Works				Repairs.	Establishment.	Tools and plant.	Suspense.	Grand Total.	Remarks.
						Major works.		Minor works.	Total.						
						Works in progress.	New works.								
						Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
1. Accommodation for Troops—Buildings for European troops on the Plains. Permanent.	West Coast.	Malapuram.	1	Barracks for a detachment of British Infantry to accommodate 50 additional men.	A	20,000	..	..	..	..	..	..	..	..	Estimate of Rs. 1,88,712 was sanctioned in G.O., No. 2038 W., dated 18th August 1887. Item No. 2, class A works, budget of 1888-89. Estimate of Rs. 10,000 was sanctioned in G.O., No. 2448 W., dated 17th August 1888. Item No. 1, class B works, budget of 1888-89. Revised estimate of Rs. 1,72,674 has been received and is under consideration. Item No. 1, class B works, budget of 1889-90. Estimate is awaited. Item No. 24, class C works, budget of 1888-89.
		Wellington.	2	Quarters for three Apothecaries.	A	6,500	..	..	..	..	..	..	..	..	
		Poonamallee	3	New barracks	A	20,000	..	..	..	..	..	..	..	..	
	Presidency.	Fort St. Georges.	4	Sundry works in connection with extra accommodation, British Infantry.	B	..	19,345	..	..	..	..	..	..	..	Estimate of Rs. 6,185 was sanctioned vide G.O., No. 2612 W., dated 24th August 1888.
	Do.	Do.	5	Converting the block of buildings containing the main guard, No. 6, Captains' quarters and Ordnance officers' quarters into barracks for single men.	B	..	6,785	..	..	..	..	..	..	..	
	Do.	Do.	6	Converting the old Adjutant-General's office block into barracks for single men.	B	..	..	5,400	..	..	..	..	..	..	Estimate of Rs. 5,400 was sanctioned in G.O., No. 3900 W., dated 5th September 1887.
	Do.	Do.	7	Institutes of British Regiments and Batteries in the Presidency.	B	..	..	20,000	..	..	..	..	..	..	Estimates are awaited.
	Ballary	Ballary ..	8	Swimming-bath, British Infantry.	B	..	7,641	..	..	..	..	..	..	..	Estimate of Rs. 7,644 was sanctioned in G.O., No. 2454 W., dated 18th October 1888. Item No. 3, class C works, budget of 1888-89. Estimate is awaited. Item No. 2, class C works, budget of 1888-89. Estimate of Rs. 4,250 was sanctioned in G.O., No. 1384 W., dated 11th May 1888.
	Do.	Do.	9	Alterations and additions to the Military prison.	B	..	3,000	..	..	..	..	..	..	..	
	Do.	Do.	10	Guard-room for the station hospital.	C	..	4,250	..	..	..	..	..	..	..	

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

Head of classification.	Executive division.	Locality.	Item No.	Projects and works.	Class.	Ordinary Works. Major works. Works in progress.	New works.	Total.	Minor works.	Total.	Repairs.	Establishment.	Tools and plant.	Suspense.	Grand Total.	Remarks.
						RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	
for European Troops on the Plains, Permanent—*cont.*	Bellary ..	Bellary ..	11	Infectious disease ward, cook-house and station hospital.	C	..	6,140	..	..	..	..	..	..	..	..	Estimate of Rs. 6,140 was sanctioned in G.O., No. 359 W., dated 7th February 1884. Item No. 1, class C works, budget of 1888-89.
	Do. ..	Do. ..	12	Quarters for Bandmaster, British Infantry.	C	..	4,075	..	..	..	..	..	..	..	..	Estimate of Rs. 4,075 was sanctioned in G.O., No. 1441 W., dated 16th May 1888. Item No. 5, class C works, budget of 1888-89.
	Do. ..	Do. ..	13	Quarters for Schoolmaster, British Infantry Regiment.	C	..	2,950	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 6, class C works, budget of 1888-89.
	Do. ..	Do. ..	14	Quarters for Schoolmistress, British Infantry Regiment.	C	..	3,355	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 7, class C works, budget of 1888-89.
	Do. ..	Do. ..	15	Purveyor's quarters for the station hospital.	C	..	3,846	..	..	..	..	..	..	..	..	Estimate of Rs. 3,846 was sanctioned in G.O., No. 771 W., dated 7th March 1888.
	Nilgiri ..	Wellington.	16	Quartermaster's stores and office on standard plan for British Infantry Regiment.	C	..	25,000	..	..	..	..	..	..	..	..	Estimate is awaited.
	Do. ..	Do. ..	17	A ward to accommodate 35 men, station hospital.	C	..	20,000	..	..	..	..	..	..	..	..	Do.
	Do. ..	Do. ..	18	Gymnasium, 2nd Royal Fusiliers.	C	..	10,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 8, class C works, budget of 1888-89.
	Do. ..	Ootacamund	19	Quarters for a Sub-Conductor attached to the Army head-quarters.	C	..	7,500	..	..	..	..	..	..	..	..	Estimate is awaited.
	Do. ..	Do. ..	20	Converting the Sapper hospital building on Stonehouse hill into quarters for 2 Sergeant Instructors' N.V. Rifles.	C	..	3,600	..	..	..	..	..	..	..	..	Estimate of Rs. 3,600 was sanctioned in G.O., No. 1068 W., dated 9th April 1884.
	Do. ..	Wellington.	21	Quarters for 3 Hospital Purveyors.	C	..	4,750	..	..	..	..	..	..	..	..	Estimate of Rs. 4,750 was sanctioned in G.O., No. 615 W., dated 21st February 1884. Item No. 40, class C works, budget of 1888-89.
	West Coast.	Calicut ..	22	A new barrack with subsidiary building for 30 men.	C	..	20,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 9, class C works, budget of 1888-89.
1. Accommodation for Troops—Buildings	Presidency.	Bangalore.	23	One block of two quarters for two Sergeants, "Queen's Own" Sappers and Miners.	C	..	3,000	..	..	..	..	..	..	..	..	Estimate is awaited.
	Do. ..	Do. ..	24	Quarters for Schoolmaster and Schoolmistress, Royal Artillery.	C	..	10,240	..	..	..	..	..	..	..	..	Estimate of Rs. 10,240 was sanctioned in G.O., No. 2384 W., dated 20th September 1886. Item No. 28, class C works, budget of 1888-89.
	Do. ..	Do. ..	25	New orderly-room or conversion of Quartermaster's stores into orderly-room and stores, 12th Lancers.	C	..	6,300	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 29, class C works, budget of 1888-89.
	Do. ..	Do. ..	26	Battery office for Royal Horse Artillery.	C	..	5,650	..	..	..	..	..	..	..	..	Estimate of Rs. 5,650 was sanctioned in G.O., No. 2906 W., dated 17th September 1888. Item No. 30, class C works, budget of 1888-89.
	Do. ..	Do. ..	27	Buildings for wheelers' shop, Royal Artillery.	C	..	3,400	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 31, class C works, budget of 1888-89.
	Do. ..	Do. ..	28	Quarters for the Senior Apothecary, North Station Hospital.	C	..	5,390	..	..	..	..	..	..	..	..	Estimate of Rs. 5,390 was sanctioned in G.O., No. 3395 W., dated 27th November 1883. Item No. 34, class C works, budget of 1888-89.
	Do. ..	Do. ..	29	Quarters for the Assistant Apothecary, North Station Hospital.	C	..	4,773	..	..	..	..	..	..	..	..	Estimate of Rs. 4,773 was sanctioned in G.O., No. 938-2 W., dated 5th April 1884. Item No. 35, class C works, budget of 1888-89.
	Do. ..	Fort St. George.	30	Wash-houses to be built outside the barracks in lieu of the north and south wash-houses inside.	C	..	2,500	..	..	..	..	..	..	..	..	Estimate is awaited.
	Do. ..	Do. ..	31	Garrison lammars to be done away with and new cook-houses to be built on the site.	C	..	4,500	..	..	..	..	..	..	..	..	Do.
	Do. ..	Do. ..	32	Repairs to floors of B, C and D blocks, family quarters.	C	..	10,070	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 25, class C works, budget of 1888-89.
	Do. ..	Do. ..	33	Construction of coach-houses and stables for the use of officers.	C	..	15,270	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 26, class C works, budget of 1888-89.
	Chingleput.	Poonamallee.	34	Warrant officers' quarters ..	C	..	3,500	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 11, class C works, budget of 1888-89.
	Do. ..	Do. ..	35	Two Staff Sergeants' quarters, first class.	C	..	6,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 12, class C works, budget of 1888-89.
	Do. ..	Do. ..	36	Coffee-shop ..	C	..	9,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 13, class C works, budget of 1888-89.
	Do. ..	Pallâvaram.	37	One mortuary-room for each of the three hospitals, Nos. 1 to 3.	C	..	3,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 14, class C works, budget of 1888-89.
	Do. ..	St. Thomas' Mount.	38	A wheeler and collar-maker's shop for the west barracks.	C	..	5,660	..	..	..	..	..	..	..	..	Estimate of Rs. 5,660 was sanctioned in G.O., No. 2717 W., dated 3rd November 1884. Item No. 15, class C works, budget of 1888-89.

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

Head of classification.	Executive division.	Locality.	Item No.	Projects and works.	Class.	Original Works. Major works. Works in progress.	New works.	Total.	Minor works.	Total.	Repairs.	Establishment.	Tools and plant.	Suspense.	Grand Total.	Remarks.
						RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	
1. Accommodation for Troops—Buildings for European Troops on the Plains Permanent—*cont.*	Chingleput.	St. Thomas' Mount.	39	Sergeants' mess for east barracks.	C	..	5,450	..	..	..	..	..	..	..	..	Estimate of Rs. 5,450 was sanctioned in G.O., No. 1118 W., dated 14th April 1888. Item No. 16, class C works, budget of 1888-89.
	Do.	Do.	40	Quarters for three medical subordinates attached to the station hospital.	C	..	8,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 17, class C works, budget of 1888-89.
	Do.	Do.	41	Quarters for head-quarter staff, Royal Artillery.	C	..	12,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 18, class C works, budget of 1888-89.
	Do.	Do.	42	Battery office for P/1st Royal Artillery, east barracks.	C	..	3,700	..	..	..	..	..	..	..	..	Estimate of Rs. 3,700 was sanctioned in G.O., No. 1512 W., dated 28th May 1888. Item No. 20, class C works, budget of 1888-89.
	Do.	Do.	43	Raising the roof of harness-room, Troop lines.	C	..	4,200	..	..	..	..	..	..	..	..	Estimate of Rs. 4,200 was sanctioned in G.O., No. 3137 W., dated 17th December 1881. Item No. 21, class C works, budget of 1888-89.
for Troops—Buildings for Native Troops.	Presidency.	Bangalore.	44	Additions to public buildings, Madras Infantry Regiment, for Pioneer Regiment.	A	5,000	..	..	..	..	..	..	..	..	..	Estimate of Rs. 21,836 was sanctioned in G.O., No. 2952 W., dated 29th November 1884. Item No. 3, class A works, budget of 1888-89.
	Do.	Do.	45	Public buildings for a Madras Cavalry Regiment.	B	..	20,000	..	..	..	..	..	..	..	..	Estimate of Rs. 20,920 was sanctioned in G.O., No. 1292 W., dated 25th May 1886. Item No. 41, class C works, budget of 1888-89.
	Bellary	Bellary	46	New saddle-rooms for a Madras Cavalry Regiment.	B	..	15,500	..	..	..	..	..	..	..	..	Estimate is awaited.
	North Arcot.	Vellore	47	Providing accommodation in the Fort for two companies, Native Infantry.	B	..	3,400	..	..	..	..	..	..	..	..	Do.
	Vizagapatam.	Vizianagram.	48	Regimental store-room for Native Infantry, including storage for camp equipage.	C	..	3,480	..	..	..	..	..	..	..	..	Estimate of Rs. 3,480 was sanctioned in G.O., No. 2628 W., dated 27th October 1884.
	Bellary	Bellary	49	New wing places-of-arms for two regiments, Madras Infantry.	C	..	60,000	..	..	..	..	..	..	..	..	Estimate is awaited.
	Do.	Do.	50	School-house for Native Infantry Regiment.	C	..	3,030	..	..	..	..	..	..	..	..	Estimate of Rs. 3,030 was sanctioned in G.O., No. 149 W., dated 17th January 1884. Item No. 37, class C works, budget of 1888-89.
	Nilgiri	Wellington.	51	Quarters for 32 men, Army Hospital, Native Corps.	C	..	12,380	..	..	..	..	..	..	..	..	Estimate is awaited.
1. Accommodation.	West Coast.	Cannanore.	52	Quarters for 11 men of the Army Hospital, Native Corps.	C	..	2,670	..	..	..	..	..	..	..	..	Do.
	Chingleput.	Pallávaram.	53	Magazine for Madras Infantry Regiment on standard plan.	C	..	4,960	..	..	..	..	..	..	..	..	Estimate of Rs. 4,960 was sanctioned in G.O., No. 534 W., dated 8th February 1886. Item No. 39, class C works, budget of 1888-89.
	Do.	Do.	54	Armourers' shop for Madras Infantry Regiment.	C	..	2,880	..	..	..	..	..	..	..	..	Estimate of Rs. 2,880 was sanctioned in G.O., No. 3,149 W., dated 22nd December 1884. Item No. 40, class C works, budget of 1888-89.
2. Commissariat Buildings.	Presidency.	Madras	55	Workshops and sheds for carts and cattle, Transport Department.	A B	..	20,800	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 58, class C works, budget of 1888-89.
	Nilgiris	Wellington.	56	Quarters for a Milling Engineer, Commissariat Department.	C	..	7,500	..	..	..	..	..	..	..	..	Estimate is awaited.
	West Coast.	Calicut	57	A bakery	C	..	6,860	..	..	..	..	..	..	..	..	Do.
	Do.	Malapuram.	58	Cattle-shed for the Commissariat Department.	C	..	4,050	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 50, class C works, budget of 1888-89.
	Do.	Quilon	59	Armourers' shop	C	..	4,823	..	..	..	..	..	..	..	..	Estimate of Rs. 4,823 has been received and is under consideration. Item No. 51, class C works, budget of 1888-89.
	Chingleput.	Guindy	60	Quarters for the station butcher attached to the slaughter-house.	C	..	3,600	..	..	..	..	..	..	..	..	Estimate of Rs. 3,600 was sanctioned in G.O., No. 1279 W., dated 30th April 1888. Item No. 52, class C works, budget of 1888-89.
	Do.	Saidapet	61	Constructing a new road from the Mount Road direct to the slaughter-house at Saidapet.	C	..	3,468	..	..	..	..	..	..	..	..	Estimate of Rs. 3,468 was sanctioned in G.O., No. 594 W., dated 16th February 1888.
	Presidency.	Madras	62	Mule shed at Transport lines, Pudupet.	C	..	11,210	..	..	..	..	..	..	..	..	Estimate is awaited.
	Do.	Do.	63	Quarters for two Sergeants at Pudupet.	C	..	2,500	..	..	..	..	..	..	..	..	Do.
	Do.	Do.	64	Quarters for a Conductor, Commissariat Department.	C	..	4,100	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 56, class C works, budget of 1888-89.
	Do.	Do.	65	Constructing a wheat godown at Teynampet.	C	..	5,050	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 57, class C works, budget of 1888-89.
	Do.	Bangalore.	66	Quarters for a Conductor, Transport Department.	C	..	3,800	..	..	..	..	..	..	..	..	Estimate of Rs. 3,800 was sanctioned in G.O., No. 992 W., dated 16th April 1886. Item No. 53, class C works, budget of 1888-89.
	Do.	Do.	67	Quarters for an Ambulance Sergeant near Cattle lines, Transport Department.	C	..	3,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 54, class C works, budget of 1888-89.
7. General Cantonment Works.	Bellary	Guntakal	68	New rest-house and site for rest camp.	B	..	6,705	..	..	..	..	..	..	..	..	Estimate is awaited.
	Presidency.	Madras	69	Alterations to rifle ranges at Vyasarpady.	B	..	6,130	..	..	..	..	..	..	..	..	Do.

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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 or departments needed.	Approximate estimate of cost.	Remarks by the Commander-in-Chief.
			Rs.	
Eastern District—*cont.*	Madras ...	Constructing a slinging shed in the Body Guard lines.	836	When funds are available.
	St. Thomas' Mount.	Commissariat—Wells, &c., public cattle depôt.	1,200	
	Do. ...	Royal Artillery — Lightning conductor, Magazine.	1,500	Most important.
	Do. ...	Closing up archway, gun-shed —P. Battery, 1st Brigade.	560	Very necessary.
	Do. ...	Improvements to Sergeants' quarters — Reserve Powder Magazine.	585	*Vide* G. O., No. 2557 W., dated 2nd November 1885. Very necessary.
	Do. ...	Constructing a second verandah to the harness-room attached to east barracks, Royal Artillery.	1,170	When funds are available.
	Do. ...	Constructing two store-rooms and two cook-rooms to recreation room, library and coffee-shop, east barracks.	700	Approved.
	Do. ...	Drains in stables, east barracks.	800	
	Do. ...	Coating the pillars of Royal Artillery stables in the east and west barracks.	880	
	Do. ...	Constructing three line-godowns for Royal Artillery stables, east barracks.	1,140	
	Do. ...	Converting the vacant family quarters, south barracks, into quarters for medical subordinates doing duty at the station hospital.	1,070	
	Do. ...	Providing granite stone flooring to the verandahs of the harness-rooms, west barracks.	540	When funds are available.
	Pallávaram ...	Tiled-shed	636	
	Poonamallee.	Wall, new—Family quarters ...	1,000	
	Do. ...	Constructing new walls between the latrines of the family quarters.	730	
	Do. ...	Providing lightning-conductor to the station hospital.	2,466	
	Do. ...	Improving drains in cantonment	1,500	Approved.
	Do. ...	Bullocks' shed—Commissariat Department.	510	
	Vizianagrum...	New magazine—Madras Infantry.	1,530	Very necessary.
	Do. ...	Improvements to hospital—Madras Infantry.	515	When funds are available.
	Do. ...	Improvements to ventilation—Madras Infantry.	515	
	Do. ...	Contagious disease shed ...	917	Approved.
	Berhampore...	Building for Commissariat stores and office.	1,200	When funds are available.
	Do. ...	Extension of the main drains, Regimental lines.	1,000	Necessary.
Bangalore Division.	Arkónam ...	Improving drains outside the compounds of the rest-house.	560	Approved.
	Bangalore ...	Royal Artillery—Latrine, Staff Sergeants' quarters, Royal Horse Artillery.	2,100	Very necessary on sanitary grounds.

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

Division or district.	Station.	Description of buildings, &c., and for what corps or departments needed.	Approximate estimate of cost.	Remarks by the Commander-in-Chief.
			Rs.	
Bangalore Division—*cont.*	Bangalore ...	Quarters, Battery — Quartermaster Sergeant, Royal Horse Artillery.	1,100	Desirable.
	Do. ...	Cook-house—Sergeants' mess, field batteries.	1,470	Necessary.
	Do. ...	Latrine for men—Stables, field batteries.	620	
	Do. ...	Board floor, recreation-room—Royal Horse Artillery.	1,240	
	Do. ...	Stone floor to gun-shed, &c. ...	1,160	
	Do. ...	Two Riding schools	1,156	Necessary. Estimate already sanctioned by Government.
	Do. ...	Latrine—Six seats for men at stables.	600	Very desirable.
	Do. ...	Camp equipage stores—Connecting with water-supply.	1,170	When funds are available.
	Do. ...	Latrine for followers	1,600	Necessary.
	Do. ...	North Station Hospital—Quarters for men of Army Hospital, Native Corps.	756	
	Do. ...	South Station Hospital—Quarters for men of Army Hospital, Native Corps.	924	
	Do. ...	Improving place-of-arms and hospital.	700	When funds are available.
	Do. ...	Improving Staff Sergeants' quarters.	2,000	
	Do. ...	Improving road from race-course barracks to slaughter-house.	1,400	
	Do. ...	Additions to accommodation in Transport lines.	1,545	Urgently required.
	Do. ...	Converting Sergeants' quarters into Sub-Conducters' quarters.	1,000	Very necessary.
	Do. ...	Two grass-sheds for the two field batteries.	920	Unauthorised, but desirable
	Do. ...	Constructing a stone drain in forage yard and levelling ground.	1,440	Approved.
	Do. ...	Preparing a boarded floor in the room now used as a fencing-room.	800	
	Do. ...	Lining with stone the drain east and west of barrack limits, parade barracks.	1,538	Desirable.
	Do. ...	New drains in Transport lines to carry off water.	1,100	Approved.
	Do. ...	A room suitable for an office for the Quartermaster at north end of Quartermaster's stores, British Infantry.	2,160	
	Do. ...	Drains around the Married and Staff Sergeants' quarters, &c., British Infantry at St. John's Hill Barracks.	710	
	Do. ...	Two horse-stables for Staff Sergeants' quarters, Commissariat Department.	570	Necessary.
	Do. ...	Two servants' quarters for do.	637	

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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 or departments needed.	Approximate estimate of cost.	Remarks by the Commander-in-Chief.
			Rs.	
Bangalore Division—*cont.*	Bangalore ...	Quarters for one first-class Purveyor, North Station Hospital.	800	Necessary.
	Do. ...	Do. for one second-class do.	600	
	Do. ...	Providing glazed slashes to the Staff and Married Sergeants' quarters, "Queen's Own" Sappers and Miners, at St. John's Hill.	575	When funds are available.
	Matigiri ...	Rebuilding the partition walls between the stalls of the forty horse-stables, Remount Depôt.	890	Necessary.
	Bellary ...	Additions to the Gate Conductor's office—Arsenal, Bellary.	1,464	Approved.
	Do. ...	Renewal floor, No. II Magazine, Fort.	616	Very necessary.
	Do. ...	Reflooring Commissariat storerooms with asphalte.	670	
	Do. ...	Drain pipes required to be fitted around the buildings to carry off rain-water from the roofs.	1,690	Desirable.
	Do. ...	Skittle alley	1,600	When funds are available.
	Do. ...	Compound wall for the quarters of the Army Hospital Corps.	1,346	
Ceded Districts.	Do. ...	Compound wall with two gates to enclose female hospital attached to Station Hospital.	535	
	Do. ...	Compounds wall for medical subordinates' quarters—Station Hospital.	854	
	Do. ...	Enlarging a well in the cantonment.	1,464	
	Do. ...	Converting No. 5 division workshop in the Arsenal into an office for the gate conductor.	1,050	Desirable.
	Do. ...	Boarding portion of floor of the gymnasium, providing new horizontal bar and fitting up racks for dumb-bells.	700	Very necessary.
	Do. ...	Improving present Armourers' shop, Native Cavalry, by adding a browning room and opening a large window.	1,600	When funds are available.
	Wellington ...	Skittle alley for British Infantry.	1,680	Necessary.
	Do. ...	Renewing floors of latrines and school block.	2,000	Very necessary.
	Do. ...	Enlarging Purveyors' stores ...	800	Desirable.
	Do. ...	Supplying cooking stove, Sergeants' mess.	2,300	Approved, but estimate seems very high.
	Do. ...	Shed for dhooly-bearers and dhooly.	1,000	Necessary.
	Do. ...	A building for manufacturing blank ammunition.	850	
Southern Districts.	Cannanore ...	A ward for lunatic men in the Station Hospital.	2,117	Desirable.
	Calicut ...	Alterations and improvements to the Government Bakery.	1,900	Approved, but something on a cheaper scale should be provided.
		Stable and harness-room for 12 mules for the Commissariat Department at West Hill barracks.		

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

Division or district.	Station.	Description of buildings, &c., and for what corps or departments needed.	Approximate estimate of cost.	Remarks by the Commander-in-Chief.
			Rs.	
Southern Districts—*cont.*	Do. ...	Road to Transport lines ...	1,000	Approved, if such a road is found necessary when a site for the new lines is finally settled.
	Do. ...	Extension of present wash and bath houses for the detachment.	950	Approved.
	Do. ...	Servants' houses and stables for Apothecary's quarters, West Hill.	990	
	Do. ...	Lines for Native Army Hospital for eight men.	1,056	
	Do. ...	Quarters for Hospital Purveyor, West Hill barracks.	1,163	Necessary.
	Malapuram ...	Converting beer godown into a gymnasium for detachment.	790	Very necessary.
	Do. ...	Providing a platform and pump to well.	1,110	
	Do. ...	Quarters for Hospital Purveyor.	1,250	Necessary.
	Do. ...	Quarters for 7 men of the Army Hospital, Native Corps.	2,030	
	Do. ...	Converting the old contagious disease ward into quarters for the Commissariat Sergeant.	2,270	
	Quilon ...	Renewing floor of hospital ...	1,970	Desirable.
	Do. ...	Two solitary cells	1,245	Approved.
	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	
Belgaum District.	Do. ...	Putting a tar composite floor in place-of-arms in lieu of the existing wooden floor—Native Infantry.	653	
	Do. ...	Constructing parapet walls to two wells, erecting nine dustbins and providing six designation boards for hospital ward—31st Light Infantry.	671	Approved.
	...	Lump-sum provision for works costing below Rs. 500 each.	22,004	
		Total ...	1,50,000	

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PUBLIC WORKS DEPARTMENT.

Military Works.
Account.

LETTER—from

COLONEL J. O. HASTED, R.E.,
Secretary to the Government of Madras,
Public Works Department,

To

THE SECRETARY TO THE GOVERNMENT OF INDIA,
MILITARY DEPARTMENT.

SIR,

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

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

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

Colonel, R.E.,
Secretary to Govt., P.W.D.

OOTACAMUND,
4th October 1888.

Exd. J. Henricus.
Spare Copies

MILITARY WORKS.
ACCOUNT.

Govt. of {1888} Madras.

PUBLIC WORKS.

Dated October, 4th.

Read. *Encl.*

4th Oct. 1888, No. 3106, W.

OCTOBER.

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

Forwarding —.

Appendix to G.O., No. 139 W., dated 17th January 1888.

Head of Classification.	Executive Division.	Locality.	Item No.	Project and Works.	Amount of Estimate.	Outlay.		Grant, 1888-89.			Item No.	Remarks and References.
						Actual to end of 1886-87.	Probable during 1887-88.	Works in progress.	Works not commenced.	Total.		
				IMPERIAL, ORDINARY.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.		
				Military.								
				Original Works.								
2. Ordnance Works.	Bellary	Bellary ..	1	New workshops for the Arsenal.	..	..	6,838	18,000	..	..	1	Estimate is awaited.
	Do.	Do. ..	2	Armourer's shop for the Arsenal.	..	..	..	..	4,650	..	2	Do. do.
	Presidency ..	Madras ..	3	Turner's shop, Gun Carriage Factory.	..	..	..	..	10,000	..	3	Do. do.
	Do. ..	Do. ..	4	Extra accommodation as store room in the Gun Carriage Factory.	6,246	..	..	..	6,600	..	4	G.O., No. 2946 W., dated 8th November 1887.
	Do. ..	Do. ..	5	Constructing a new shed at the Camp Equipage Deptt.	6,935	..	..	..	6,935	..	5	G.O., No. 2758 W., dated 27th September 1887.
	..	..	6	Minor works ..	..	..	..	..	9,670	..	6	
				Total ..	..	..	..	18,000	37,155	55,155		

Abstract of the Budget Estimate of Expenditure on Ordnance Works in Madras for the year from 1st April 1888 to 31st March 1889.

		Budget Estimate, 1888-89.
		Rs.
Original Works ...	In progress ...	18,000
	Not commenced ...	37,155
Establishment ...	... ...	12,698
Tools and Plant ...	... ...	827
	Total ...	68,680

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GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

READ—the following paper:—

From Colonel R. F. LOWIS, Director-General of Ordnance in India, to the Secretary to the Government of Madras, Public Works Department, dated Agra, 2nd January 1888, No. 90 E. (Tour).

With reference to the correspondence ending with my No. 62 E (Tour), dated the 16th December 1887, I have the honor to forward the following list of ordnance works which it is desired should be undertaken in the order shown in the Madras Presidency during the official year 1888-89. The amount available for each work is as entered opposite it, and is, it will be noted, in addition to the usual charges for establishment, tools and plant:—

Description of work.	Required for	Amount.	Remarks.
		Rs.	
Workshop	Bellary Arsenal ...	18,000	Or only Rs. 8,000 if the Rs. 10,000 allotted this year is spent on this work before 31st March next.
Turners' shop	Gun Carriage Factory, Madras.	10,000	
Store-rooms	Do. ...	6,000	
Guard-room	Do. ...	2,570	
Armourers' shop	Bellary Arsenal ...	4,650	
Receipt and Issue godown near Arsenal gate.	Rangoon Arsenal ...	2,500	If desired, this will be communicated direct to the Public Works Department, British Burmah.
Shed	Camp Equipage Depôt, Madras.	6,935	
Minor and petty works for Ordnance establishments in the Madras Presidency as required.	.....	7,000	
	Total ...	57,655	
	Add percentage for establishment, tools and plant ...	14,145	
	Grand Total ...	71,800	

2. I trust every endeavour will be made to prepare the necessary plans and estimates as soon as possible, and to finish the works in question before the 31st March 1889.

3. As heretofore the plans and estimates, when ready, should be sent to the Inspector-General of Ordnance, Madras Circle, for approval and countersignature.

4. I shall be obliged by being informed, on 1st August 1888, of the progress made towards the completion of the several works, and whether they are all likely to be completed, or not, before the end of 1888-89, to enable me to frame the annual statement of buildings for 1889-90, which is due to the Government of India on 1st October 1888.

5. Under the authority of the Public Works Department Code, the Inspector-General of Ordnance has, I believe, power to sanction petty works, the estimated cost of which, in each case, does not exceed Rs. 500. The cost of the petty works, as required, is included in the allotment for minor and petty works.

ORDER—dated 17th January 1888, No. 189 W., Public Works.

Ordered that the accompanying list of ordnance works, proposed by the Director-General of Ordnance for execution during 1888-89, be printed and circulated for the information and guidance of the officers concerned, and four copies forwarded to the Government of India, with the intimation that the works detailed therein will, with the approval of the Government of India, be embodied in the final issue of the military works budget for 1888-89.

2. The sum of Rs. 71,800 allotted by the Director-General of Ordnance includes Rs. 3,120 * for a receipt and issue godown near Arsenal Gate, Rangoon. As this work is outside the Public Works Department limits of the Madras Presidency, the grant will be replaced at the disposal of the Director-General for assignment to the Public Works Department of British Burmah. The difference, Rs. 68,680, will be treated as the total assignment for ordnance works of this presidency.

	Rs.
* Works	2,500
Establishment and tools and plant...	620
Total ...	3,120

3. For the new workshops for the Arsenal at Bellary the Director-General has provided Rs. 18,000 on the supposition that a portion of the current year's grant of Rs. 10,000 for the work will be spent before the close of the year. But as the estimate is still unsanctioned it is not likely that there will be a large expenditure on the work in the current year. The amount allotted by the Director-General for next year may, however, stand, subject to reduction if found necessary hereafter.

4. For constructing the police guard-room at the Gun Carriage Factory, Madras, a sum of Rs. 2,570 has been provided under Major Works, but the estimate sanctioned † for the work amounts to Rs. 2,460 only. It will therefore be classed as a minor work, and the provision of Rs. 2,570 added to the lump sum grant for "Minor Works," which will then amount to Rs. 9,570. This sum will, as usual, be held at the disposal of Government; and, after providing for incomplete works of the current year, the balance will be placed at the disposal of the Inspector-General of Ordnance for appropriation for such works as he may consider necessary. Superintending Engineers will, in submitting their statements of demands for incomplete and minor works under Imperial, Military, prepare separate lists for ordnance works.

† *Vide* G.O., No. 2705 W., 13th Oct. 1887.

5. Plans and estimates for items 1 to 3 should be submitted as early as possible to admit of the grants being utilised, the approval and countersignature of the Inspector-General of Ordnance, Madras, being obtained in the first instance, as pointed out in paragraph 3 of the Director-General's letter.

6. The attention of all Superintending Engineers is drawn to paragraph 4, in view to the required information being furnished by those officers to the Director-General by 1st August of every year.

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7. With reference to paragraph 5 of his letter, the Director-General is informed that, under paragraph 1073 of the Madras Public Works Code, the Inspector-General of Ordnance is empowered to sanction estimates for minor works to the extent of Rs. 500 in each case.

(Here enter No. 190 W., dated 17th January 1888.)

(True Extract.)

(Signed) H. R. MEAD, Colonel, R.E.,
Joint Secretary to Govt., P.W.D.

To Superintending Engineers.
To the Examiner, Public Works Accounts.
" Military Department.
" Director-General of Ordnance in India.

Fxd. E. Fernandes.
Spare Copies

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of [1888] Madras.

PUBLIC WORKS.

Dated January, 17*th*.

Read. *Encl.*

G.O., 17th Jan. 1888, No. 189 W.

JANUARY.

Ordnance Works

Orders on list of — proposed for execution during 1888-89.

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B105-06

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

READ—the following paper:—

G.O., dated 27th July 1888, No. 5123, Military.

Read—the following paper:—

From the Quartermaster-General, to the Secretary to Government, Military Department, dated Ootacamund, 29th June 1888, No. 2374 A.

In this office letter No. 2807 A, of 10th August 1887, His Excellency the Commander-in-Chief submitted, for the consideration of Government, the want of accommodation for British troops in Fort St. George, and his proposals for augmenting it by removing the offices of the Controller of Military Accounts, the Accountant-General and the Surgeon-General with the Government of Madras from within the Fort, and by locating the offices of the Surgeon-General, Her Majesty's Forces and Deputy Surgeon-General, Eastern District, in a building now vacant in the Fort.

2. The arrangements then contemplated were, however, superseded by the proposal to provide barracks for a wing of British Infantry at the Mount, which is now under the consideration of Government, and consequently it was stated in para. 2 of this office letter No. 479 A, dated 1st February 1888, (recorded in Proceedings of Government No. 1530, of 3rd March 1888,) that if barracks for a wing of British Infantry are provided at St. Thomas' Mount, there will be no necessity to disturb the offices of the Surgeon-General with the Government of Madras and of Her Majesty's Forces to make way for single men British Infantry in Fort St. George.

Quartermaster-General's letter No. 51 A., dated 6th January 1888, to Government; Military Department, No. 260, dated 12th January 1888.
Quartermaster-General's letter No. 2363 A., dated 29th June 1888.

3. When inspecting the barracks in the Fort in February last, the great desirability of doing away with the use of all or nearly all the rooms in the ground floor of the King's barracks as dormitories, pressed itself on the notice of the Commander-in-Chief as a measure which would add immensely to the comfort and health of the troops, seeing that the Fort walls and numerous buildings with which the Fort is crowded seriously impede the ingress of fresh air and render the lower stories of all buildings not on the sea face more or less close and confined.

4. Under His Excellency's orders, a committee assembled to decide how many men ought permanently to be located in the lower story of the King's barracks; from its proceedings enclosed, it will be observed that the committee consider that not more than 24 men should be thus accommodated.

5. The upper story of the King's barracks provides accommodation for 342 men, and therefore, under the contemplated arrangements, these barracks will contain 366 men in all.

6. Assuming that the strength of single men in a head-quarter wing of a British Infantry regiment stands at 479,* accommodation for 113 additional men remains to be provided, and this Sir Charles Arbuthnot proposes to find by utilising the old Adjutant-General's office block, now occupied by the offices of the Surgeon-General with the Government of Madras, Surgeon-General, Her Majesty's Forces, Deputy Surgeon-General, Eastern District, Executive Commissariat and Transport Officers, and the upper story of the Main Guard block with the adjoining Captain's and Ordnance officer's quarters, provision being made for the offices thus disturbed, as suggested in this office letter No. 2807 A, of 10th August 1887, para. 6, and for the Captain and Ordnance officer in other quarters, which will be available if the British Infantry garrison is permanently reduced to a wing.

	No.
* Drummers	16
Corporals	20
Privates	450
	486
Deduct married at 1½ per cent. ..	7
Total ...	479

7. I am accordingly now desired to submit, for the sanction of Government, the estimates marginally noted, and to solicit that the estimate, amounting to Rs. 5,406, for the alteration of the old Adjutant-General's office block, which was held in abeyance, *vide* Proceedings of Government No. 1530, of 3rd March 1888, may now be revised; the necessary steps being taken towards obtaining the funds requisite to carry out the works, which the Commander-in-Chief considers ought to be undertaken in the current year.

	Rs.
For converting the block containing the Main Guard No. 6, Captain's quarters and Ordnance officer's quarters into barracks for single men (with plan)	5,785
For repairing and cleaning, &c., Nos. 4 and 5 Field Officer's quarters and No. 3 Captain's quarters to render them fit for occupation by the offices of the Surgeon-General, Her Majesty's Forces, and Deputy Surgeon-General, Eastern District	1,160

Order—dated 27th July 1888, No. 5123, Military.

With his letter above recorded, the Quartermaster-General submits two estimates, amounting to Rs. 6,945, for the sanction of Government, in view to accommodation being provided in Fort St. George for a complete wing of a British Infantry regiment.

2. It is reported that not more than 366 men should be quartered in the King's barracks, and additional accommodation for 113 men is stated to be required.

3. The estimates for this purpose are recommended by His Excellency the Commander-in-Chief and approved by Government. They will accordingly be forwarded to the Public Works Department for favor of the further necessary action.

4. With reference to paragraph 2 of the Quartermaster-General's letter, it is remarked that the Government await the proceedings of a committee assembled under the orders† of His Excellency the Commander-in-Chief to fix upon a site to the south and west of the cantonment of St. Thomas' Mount (if a suitable one can be found) for the erection of barracks for a wing of a British Infantry regiment.

† Para. 5 of the Quartermaster-General's No. 2368 A, dated 29th June 1888.

5. The Public Works Department will be requested, with advertence to para. 7 of the foregoing letter, to take the necessary steps for obtaining the sum of Rs. 5,400, referred to in para. 3 of G.O. No. 613 W., dated 21st February 1888, in view to the conversion of the Adjutant-General's former office into barracks for 60 single men.

6. The Government in the Military Department hope that it may be found practicable to provide the additional accommodation required for 113 men during the current year.

(True Extract.)

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

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3105-06

Order—dated 24th August 1888, No. 2612 W., Public Works.

Of the following two estimates received with the Proceedings above recorded, the first, being for a repair work, is returned to the Superintending Engineer, V Circle, for sanction under para. 267 (*e*) of the Public Works Code, and for early execution:—

	Rs.
(1) Repairing and cleaning Nos. 4 and 5 Field Officer's quarters and No. 3 Captain's quarters for the accommodation of the offices of the Surgeon-General, Her Majesty's Forces, and the Deputy Surgeon-General, Eastern District	1,160
(2) Converting the block of buildings containing the Main Guard, No. 6 Captain's quarters and Ordnance officer's quarters into barracks for single men	5,785

2. The estimate of Rs. 5,785 is sanctioned and registered as Imperial, Ordinary, No. 33 W. of 1888-89, and classified as Military, Original Works.

3. With reference to para. 7 of the Quartermaster-General's letter, the Superintending Engineer will, in communication with the officers concerned, revise the estimate sanctioned in G.O. No. 3000 W., dated 9th November 1887, for alterations to the old Adjutant-General's office, and submit the same with the least possible delay.

4. In para. 6 of their order, the Government in the Military Department express a hope that it may be found practicable to provide the additional accommodation required for 113 men during the current year. But as there are no funds available with the Government, the Government of India will be requested to provide a special allotment of Rs. 11,185, or Rs. 13,925 inclusive of charges for "Establishment" and "Tools and Plant."

5. Ordered that a copy of these Proceedings be forwarded to the Government of India, Military Department, with the request that the sum of Rs. 13,925 referred to in para. 4 of these Proceedings may be allotted at an early date.

(Here enter No. 2613 W., dated 24th August 1888.)*

(True Extract.)

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

To the Superintending Engineer, V Circle,
with seven enclosures.
„ Examiner of Public Works Accounts,
with the duplicate abstract estimate of Rs. 5,785.
„ Military Department.

Exd. F. R. Bantleman.
Spare Copies

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of 1888 Madras.

PUBLIC WORKS.

Dated August, 24th.

Read.

Encl.

G.O., 24th Aug. 1888, No. 2612 W.

AUGUST.

Fort St. George

Sanctioning the estimate for converting the block of buildings containing the Main Guard No. 6 Captain's quarters and Ordnance officer's quarters into barracks for single men; and requesting the Government of India to sanction a special allotment for the provision of additional accommodation required for 113 men during the current year.

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B105-06

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General, Account.

READ—the following paper:—

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

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

* Major works, classes A, B and C.

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

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

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

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

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

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

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

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

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

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

CLASS A.

WORKS commenced, for completion of which grants are required.

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

OOTACAMUND,
8th September 1887.

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

CLASS B.

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

Command.	Station.	Item No.	Work.	Cost.	Remarks.
				Rs.	
Bangalore division.	Bangalore ..	1	Public buildings for a Madras Cavalry Regiment.	15,000	Item 6, class B, budget of 1887-88.
Southern district..	Calicut ..	2	A new barrack with subsidiary buildings for 30 men.	20,000	
Eastern district ..	Poonamallee ..	3	Improving old barracks	6,000	Item 31, class C, budget of 1887-88.
Do. ..	Fort St. George.	4	Remodelling drainage	10,000	Item 14, class C, budget of 1887-88.
Do. ..	Do. ..	5	Facing enceinte with Portland cement.	5,000	Item 50, class C, budget of 1887-88.
Do. ..	Madras ..	6	Shed, Camp Equipage Depôt ..	6,935	Item 51, class C, budget of 1887-88.
Southern district..	Calicut ..	7	Transport sheds	3,310	Item 46, class C, budget of 1887-88.
Do. ..	Trichinopoly ..	8	Store-rooms and workshop, &c., for 4th Pioneers.	4,900	Item 43, class C, budget of 1887-88.
Eastern district ..	Madras ..	9	Constructing four latrines, two for males and two for females, Pensioners' lines.	3,500	Item 59, class C, budget of 1887-88.
Bangalore division.	Bangalore ..	10	New saddle-room, British Cavalry ..	4,500	
Eastern district ..	Fort St. George.	11	Sundry works in connection with extra accommodation, British Infantry and Royal Artillery.	20,000	

OOTACAMUND,
8th September 1887.

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

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3105-06

CLASS C.

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

Command.	Station.	Item No.	Work.	Cost.
				Rs.
Bangalore Division.	Bangalore ...	1	Quarters for schoolmaster and schoolmistress, Royal Artillery	10,240
	Do. ...	2	Quarters for a Conductor, Transport Department.	5,800
	Do. ...	3	12th Lancers.—New orderly room or conversion of Quartermaster's stores into orderly room and stores	6,500
	Do. ...	4	Transport Department.—Quarters for an Ambulance Sergeant near Cattle lines	3,000
	Do. ...	5	Battery office for Royal Horse Artillery ...	3,700
	Do. ...	6	Buildings for Wheelers' shop, Royal Horse Artillery	3,100
	Do. ...	7	Drainage of Royal Horse Artillery grass-cutters' lines at Ulsoor and preventing the fouling of the adjacent nullah	2,846
	Do. ...	8	Drainage, British Infantry Barracks	8,000
	Do. ...	9	Quarters for Senior Apothecary, North Station Hospital	5,300
	Do. ...	10	Quarters for Assistant Apothecary, North Station Hospital	4,773
Southern District.	Wellington ...	11	2nd Royal Fusiliers' gymnasium	10,000
	Mallápuram ...	12	Converting Mallápuram into a fortified station ...	5,000
	Do. ...	13	Constructing a cattle-shed for the Commissariat Department	4,000
	Ootacamund ...	14	Water-supply, Lawrence Asylum	7,000
Ceded Districts.	Bellary ...	15	Infectious-disease ward and cook-house, station hospital	6,140
	Do. ...	16	Alterations and additions to military prison and adjoining building	11,260
	Do. ...	17	Swimming bath for British Infantry	7,644
	Do. ...	18	Quarters for Bandmaster, British Infantry Regiment	3,520
	Do. ...	19	Quarters for schoolmaster, British Infantry Regiment	2,950
	Do. ...	20	Quarters for schoolmistress, British Infantry Regiment	2,950
	Do. ...	21	Armourers' shop for the Arsenal	4,650
	Do. ...	22	Converting the old Regimental Hospital now used as a Government school into quarters for nine Warrant Officers, Ordnance Department.	20,380
Eastern District.	Fort St. George.	23	Repairs to floors of B, C and D blocks, family quarters	10,370
	Do. ...	24	Demolition of Wallajah ravelin and two lunettes	7,426
	Do. ...	25	Constructing a draw-bridge at north gate ...	2,680
	Madras ...	26	Lines for transport attendants	48,600
	Do. ...	27	Workshops and sheds for carts and doolies, &c., Transport Department	40,600
	Do. ...	28	Extra accommodation as store-rooms in the Gun Carriage Factory	6,000
	Do. ...	29	Quarters for a Conductor, Commissariat Department	4,003
	Do. ...	30	Quarters for station butcher at Guindy attached to slaughter-house	4,740
	Do. ...	31	Constructing coach-houses and stables for the use of officers in Fort St. George	15,770

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

Command.	Station.	Item No.	Work.	Cost.
				RS.
Eastern District—*cont.*	Madras ...	32	Flushing drains of Native Infantry lines at Rayapuram	4,300
	Saint Thomas' Mount.	33	A wheeler and collar makers' shop for the west barracks	5,660
	Do. ...	34	Sergeants' mess for east barracks	6,000
	Do. ...	35	Quarters for three medical subordinates attached to the station hospital	8,000
	Do. ...	36	Quarters for the head-quarters staff, Royal Artillery	12,000
	Do. ...	37	General improvements to the drains of the cantonments	10,000
	Do. ...	38	Battery office for P/1st Royal Artillery, east barracks	5,000
	Do. ...	39	Raising roof of harness-room, Troop lines ...	4,200
	Do. ...	40	Wooden-shed at the proof range	2,820
	Do. ...	41	Converting the disused gun-shed between the north barracks and main guard into a coffee-shop, recreation-room and library	2,520
	Pallávaram ...	42	One mortuary room for each of the three hospitals, Nos. 1 to 3	3,000
	Do. ...	43	Magazine for Madras Infantry Regiment on standard plan	4,500
	Do. ...	44	Armourers' shop for Madras Infantry Regiment.	2,880
	Poonamallee ...	45	Warrant Officers' quarters	3,800
	Do. ...	46	Two Staff Sergeants' quarters, first class ...	6,000
	Vizianagram ...	47	Coffee-shop ... ... Regimental store-room for Native Infantry including storage for camp equipage	9,000 3,480
	Madras ...	49	Constructing a wheat godown at Teynampet ...	5,950
	Do. ...	50	Providing sun-shades to all exposed doors and windows in the Ordnance Lines	4,160
Belgaum District.	Mangalore ...	51	Providing drains for the lines of the Native Infantry	11,710
			Total ...	3,92,799

OOTACAMUND,
8th September 1887.

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

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

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

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

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

19/3505-06

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

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

(True Extract.)

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

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

Exd. J. Moses,
Spare Copies

GENERAL
ACCOUNT.

Govt. of {1887} Madras.

PUBLIC WORKS.

Dated October, 6th.

Recd. *Encl.*

G.O., 6th Oct. 1887, No. 2624 W.

OCTOBER.

Military Works

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

No. 35630.

20/8105 00 Government of Madras.

PUBLIC WORKS DEPARTMENT,

Chepâk, 20 Septr 1888.

OFFICE NOTE.

From H.

To C.

With reference to the accompanying two lists of Military minor works proposed by the Quarter master General for execution during 1889-90, please state if any works therein mentioned are completed or under execution during the current official year

2. A very early return of the lists is specially requested.

(initialled) W.L.C.B
20-9-88

D.W.

								Budget of 1888-89
Do	Do	5	Converting the Main block of building containing the Main Guard, No: 6 Captains quarters and Orderly Officers quarters into barracks for single men	B	-	5,785		Estimate of Rs. 5,785 was sanctioned in G.O. No: 202 Mil/24 dated 7th August 1888
Do	Do	6	Converting the old Adjutant Generals office block into barracks for single men	B	-	5,405		Revised estimate is awaited
			and station hospital	C	-	6,[illegible]		
Do	Do	12	Quarters for Band Master British Infantry	C	-	4075 4,625		Estimate awaited Item No: 5 6 class C Works, Budget of 1888-89
Do	Do	13	Quarters for schoolmaster, British Infantry Regiment	C	-	2,950		— Do — Item No: 6, 6 class C Works, Budget of 1888-89
Do	Do	14	Quarters for school mistress, British Infantry Regiment	C	-	2,950		— Do — Item No: 7 — Do — Do
Do	Do	15	Purveyors quarters for the station hospital	C	-	3,046		Estimate of Rs 3,046 was awarded in G.O. No: 771 Mil/7 March/88 ~~Estimate is awaited~~
Nilgiri	Wellington	16	Quarter Masters stores and offices on standard plans for British Infantry Regiment	C	-	25,000		Estimate is awaited Do Do
Do	Do	17	Award to accommodate 35 men Station Hospital	C	-	20,000		Do B/155 29/10/88
Do	Do	18	Gymnasium, 2nd Royal Fusiliers	C	-	10,000		Estimate is awaited. Item No: 8 6 class C Works Budget of 1888-89
West Coast	Calicut	22 1889	A new barrack with subsidiary building for 30 men	C	-	20,000		Estimate is awaited. Item No: 9 6 class C Work Budget of 1888-89
Nilgiri	Ootacamund	17	Quarters for a Sub conductor attached to the Army Head Quarters	C	-	7,500		Estimate is awaited.

Algiri	Artacan	28	Converting the Sapper Hospital building on Stone House Hill into quarters for 2 sergeant instructors N. V. Rifles	C	-	3,600	of Rs 3,600 was sanctioned in 10584 of 24-5-88. Estimate ~~is awaited~~.
Do	Wellington	29	Quarters for 3 hospital purveyors	C	-	4,750	Estimate of Rs 4,750 was sanctioned in G. O. No 815 W of 21-8-88. Item No: 27 Class C Works, Budget of 1888-89
Presidency	Bangalore	23	One block of two quarters for 2 sergeants Queen's Own Sappers and Miners	C	-	3,000	Do Do
Do	Do	24	Quarters for school master and school mistress, Royal Artillery	C	-	10,240	Estimate of Rs 10,240 was sanctioned in G. O. No 2384 W of 20th September 1888, Item No: 28 Class C Works Budget of 1888-89
Do	Do	25	New orderly room or conversion of Quarter masters stores into orderly rooms and stores, 12th Lancers	C	-	6,500	Estimate is awaited. Item No: 29 Class C Works, Budget of 1888-89
Do	Do	26	Battery office for Royal Horse Artillery	C	-	5,680	Estimate of Rs 5,680 was sanctioned in G. O. No: 2908 W of 17th Septr 1888. Item No 30, Class C Works, Budget of 1888-89
Do	Do	27	Building for wheeler's shop, Royal Artillery	C	-	3,100	Estimate is awaited. Item No: 31 Class C Works Budget of 1888-89
Do	Do	78	Drainage of Royal Horse Artillery ... lines at Ulsoor and preventing the fouling of the adjacent nullah	C	-	2,846	Estimate ~~is awaited~~ of Rs 2,846 was sanctioned in 1261 W of ... Item No: 32, Class C Works Budget of 1888-89
3	6 6	3	13 ?	3	4	4	4 4 4 4 4 3 3 4
Do	Do	77	Drainage, British Infantry Barracks	C	-	8,112 ~~2,615~~	Estimate of Rs 8,112 was sanctioned in 2615 W of 24-9-88 Item No: 33, Do Do
Do	Do	28	Quarters for the senior apothecary North Station Hospital	C	-	5,300	Estimate of Rs 5,300 was sanctioned in G. O. No: 3385 W d/27th November 1883. Item No 34 Class C Works, Budget of 1888-89
Do	Do	29	Quarters for the Assistant Apothecary North Station Hospital	C	-	4,773	Estimate of Rs 4,773 was sanctioned in G. O. No 938 W of 5th April 1884 Item No: 35, Class C Works, Budget of 1888-89
Do	Fort St George	38	Wash houses to be built outside the barracks in lieu of the north and south wash houses inside	C	-	2,500	Estimate is awaited.
Do	Do	37	Garrison bazaars to be done away with and new cook houses to be built on the site	C	-	4,500	Do Do
Do	Do	72	Remodelling the drainage	C	-	10,000	Estimate is awaited. Item No: 23, Class C Works, Budget of 1888-89
Do	Do	39	Repairs to floors of B, C, & D blocks family quarters	C	-	10,070	Do Do; No: 25 Do Do
						248891	

...giri	Artram	18	Converting the Sapper Hospital building on Stone House Hill into quarters for 2 sergeant instructors N. V. Rifles	C	-	3,600	
Do	Wellington	29	Quarters for 2 hospital purveyors	C	-	4,750	Estimate ~~is awaited~~ of Rs 4,750 was sanctioned in G. O. No. 1156 W of 21-2-88. Item No. 27 Class C Works Budget of 1888-89
...idency	Bangalore	23	One block of two quarters for 2 sergeant Queen's Own Sappers and Miners	C	-	3,000	Do — Do
Do	Do	24	Quarters for school master and school mistress, Royal Artillery	C	-	10,240	Estimate of Rs 10,240 was sanctioned in G. O. No. 2384 W of 20th September 1886. Item No. 28 Class C Works Budget of 1888-89
Do	Do	25	New orderly room or conversion of Quarter masters stores into orderly rooms and stores, 12th Lancers	C	-	6,500	Estimate is awaited. Item No. 29 Class C Works, Budget of 1888-89
Do	Do	26	Battery office for Royal Horse Artillery	C	-	5,680	Estimate of Rs 6,680 was sanctioned in G. O. No. 2908 W of 17th Septr 1888. Item No. 30, Class C Works, Budget of 1888-89
Do	Do	27	Building for wheeler's shop, Royal Artillery	C	-	3,100	Estimate is awaited. Item No. 31, Class C Works, Budget of ...
Do	Do	78	Drainage of Royal Horse Artillery horse cutters lines at Ulsoor and preventing the fouling of the adjacent nullah	C	-	2,846	Estimate ~~is awaited~~ of Rs 2,846 was sanctioned in 1261 W of ... Item No. 32, Class C Works, Budget of 1888-89
Do	Do	71	Drainage, British Infantry Barracks	C	-	8,112	Estimate of Rs 8,112 was sanctioned in 2615 W of 24-8-88 — Do — Item No. 33, — Do — Do
Do	Do	28	Quarters for the senior apothecary North Station Hospital	C	-	5,300	Estimate of Rs ~~6,300~~ 5,300 was sanctioned in G. O. No. 3316 of 27th November 1883. Item No. 34 Class C Works, Budget of ...
Do	Do	29	Quarters for the Assistant Apothecary North Station Hospital	C	-	4,773	Estimate of Rs 4,773 was sanctioned in G. O. No. 938 W of 5th April 1884. Item No. 35, Class C Works, Budget of 1888-89
Do	Fort St George	38	Wash houses to be built outside the barracks in lieu of the north and south wash houses inside	C	-	2,500	Estimate is awaited ...
Do	Do	39	Garrison bazaars to be done away with and new cook houses to be built on the site	C	-	4,500	Do — Do
Do	Do	72	Remodelling the drainage	C	-	10,000	Estimate is awaited. Item No. 23, Class C Works, Budget ...
Do	Do	30	Repairs to floors of B, C, & D blocks family quarters	C	-	10,070	— Do — Do — No. 25 — Do —

24,3891

Bellary	Bellary	49	Sewening places of arms for 2 Regiments, Madras Infantry	C	"	6,900		Estimate is awaited.
Do	Do	60	School house for Native Infantry Regiment	C	-	3,030		Estimate of Rs 3030 was sanctioned in G.O. No 1491 dtd 7th January 1884 Item No 37 Class C Works, Budget of 1883-84.
Nilgiri	Wellington	51	Quarters for 32 men, Army Hospital Native Corps	C	"	12,330		Estimate is awaited.
West Coast	Cannanore	52	Quarters for 11 of the Army Hospital Native Corps	C	-	3,670		Do.
Presidency	Madras		Workshops and sheds for carts & cattle, Transport Department	B	-	20,000		
Chingleput	Pallavaram	53	Magazine for Madras Infantry Regiment on standard plan	C	-	4,900		Estimate of Rs 4,900 was sanctioned in G.O. No 336 May 8th 1884 Item No 39 Class C Works Budget of 1884-85
Do	Do	54	Armourer's shop for Madras Infantry Regiment	C	"	2,880		Estimate of Rs 2,880 was sanctioned in G.O. No 3149 May 22nd Dec 1884 Item No 40 Class C Works Budget of 1884-85
Presidency	Madras	55	Flushing drains of Native Infantry lines at Royapuram	C	-	4,300		Estimate of Rs 4300 was sanctioned in G.O. No 1397 dtd 7th June 1884 Item No 42 Class C Works Budget of 1884-85
Presidency	Madras	56	Workshops and sheds for carts and cattle, Transport Department	B	"	20,000		Estimate is awaited. Item No 56 Class C Works Budget of 1884-85.
Nilgiri	Wellington	57	Quarters for a Military Engineer Commissariat Department	C	"	7,500		Estimate is awaited.
West Coast	Calicut	58	A bakery	C	"	6,860		Do
Do	Malapuram	58	Cattle shed for the Commissariat Department	C	"	4,000		Estimate is awaited. Item No 60 Class C Works Budget of 1884-85
Do	Quilon	59	Armourer's shop	C	"	4823 ~~2602~~		Estimate is awaited. Item No 61 — Do — do
Chingleput	Guindy	60	Quarters for the station butcher attached to the slaughter house	C	"	3603 ~~1740~~		Estimate of Rs 3603 was sanctioned in G.O. No 1259 dtd 30-4-85 Item No 57 — Do — Do

... Connecting the Sapper Hospital

Presidency	Bangalore	66	Quarters for a Conductor, Transport Department	C	-	5,800										Estimate of Rs 5,800 was sanctioned in G. O. No 992 W of 16th April 1886. Item No 153 Class C Works Budget of 1888-89
Do	Do	67	Quarters for an Ambulance Sergeant near cattle lines, Transport Department	C	-	2,000										Estimate is awaited. Item No 52 Class C Works Budget of 1888-89.
Do	Madras	62	Mule shed at Transport Lines, Sudepet	C	-	11,210										Estimate is awaited.
Do	Do	63	Quarters for 2 sergeants at Sudepet	C	-	3,500										Do — Do —
Chingleput	Saidapet Do	64	Constructing a new road from the Mount Road direct to the slaughter house at Saidapet	C	-	3,468										Estimate of Rs 3,468 was sanctioned in G. O. No 536 W of 18th February 1888
Presidency	Mount	64	Quarters for a Conductor, Commissariat Department	C	-	4,000										Estimate is awaited. Item No 56 Class C Works Budget of 1888-89
Do	Do	65	Constructing a wheat godown at Tynampet	C	-	5,950										Do — Do; Item No 57 — Do — Do
Bellary	Guntakal	68	New rest house and site for Rest Camp	B	-	1,705										Estimate is awaited.
Presidency	Mount	69	Alterations to Rifle ranges at Vepery	B	-	1,120										Do — Do —
West Coast	Malappuram	75	Constructing a fortified post	C	-	8,248										Estimate of Rs 8,248 was sanctioned in G. O. No 3114 W of 18th November 1887. Item No 58 Class C Works Budget of 1888-89
Presidency	Fort St George	76	Demolition of Wallajah ravelin and 2 lunettes	C	-	7,426										Estimate is awaited. Item No 59 Class C Works Budget of 1888-89. 25/3/05
Do	Do	77	Constructing a drawbridge at the North Gate	C	-	4,487										Estimate of Rs 4,487 was sanctioned in G. O. No 2447 W of 13-8-88. Item No 60 Class Do
Do	Do	78	Demolition of out houses, clearance of ditch and completion of walls	C	-	10,000										Estimate is awaited. Item No 61, Class C — Do
Nilgiri	Ootacamund	79	Water supply, Lawrence Asylum	C	-	12,850										Estimate of Rs 12,358 has been received & the sanction of [illegible] sanctioned in G. O. No [illegible] 139 W of 14th July 1888. Item No 62 Class C Works, Budget of 1888-89
			Reserve with the Govt for incomplete Major Works			15,957										
			Total		-	70,457	6,14,543	6,85,000	1,50,000	7,05,000	3,50,000	2,72,000	17,700	-	14,75,000	

29/3105-06

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 1898-99.

Division or district.	Station.	Description of buildings, &c., and for what corps or departments needed.	Approximate estimate of cost.	Remarks by the Commander-in-Chief.
	Fort St. George.	Store-room, forge workshop—Arsenal.	Rs. 820	
	Do. ...	A new bridge across trench in new park—Arsenal.	810	When funds are available.
	Do. ..	L room alterations for theatre...		
	Do. ...	Pipes to carry off main water from the barracks—Officers' quarters, &c.	1,000 990	Recommended.
	Do. ...	Improvements to military pri-	810	

Fort St. George

Do	New record shelves in the Office of Commissariat Servants	1860	27/3105-06	So
Do	Constructing two isolatory cells in the Military prison	2,445		Very urgently required
Do	Constructing verandah in front of the Quarter Gate now used as the Commissariat Ration shed	150		Necessary

Do. ...	18 × 16'. Store-room to 3 warrant officers and 4 sergeants' quarters—Commissariat Department.	1,000		
Do. ...	Additional latrine accommodation—Army Clothing Department.	530		Approved.
Do. ...	Granite stone foundation for machinery to wheel-wrights'	300		

Fort St. George

Do	Constructing sick shed (60'×12') Transport Department	1200	28/3105-06	
Do	Constructing a washing shed (20'×20') Transport Line, Tondiarpet	1200		Necessary
Do	Constructing a cistern to hold Red Hills water at the Land Parking	220		
Do	Constructing a shelter shed in the Body Guard Lines	300		When funds are available

29/3105-06

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

Division or district.	Station.	Description of buildings, &c., and for what corps or departments needed.	Approximate estimate of cost.	Remarks by the Commander-in-Chief.
			Rs.	
	Port St. George.	Store-room, forge workshop—Arsenal.	520	When funds are available.
	Do. ...	A new bridge across trench in new park—Arsenal.	810	
	Do. ..	I. room alterations for theatre...	1,000	
	Do. ...	Pipes to carry off main water from the barracks—Officers' quarters, &c.	990	Recommended.
	Do. ...	Improvements to military pri-	810	

Fort St George

Do	New record shelves in the office of Commissariat Servants	1,860	27/3105-06	Do
Do	Constructing two intermediary cells in the Military prison	2,445		Very urgently required
Do	Constructing a verandah in front of the Assistant Commissariat Rations shed	150		Necessary

		18 × 10'.		
Do.	...	Store-room to 3 warrant officers and 4 sergeants' quarters—Commissariat Department.	1,000	
Do.	...	Additional latrine accommodation—Army Clothing Department.	536	Approved.
Do.	...	Granite stone foundation for machinery to wheel-wrights' shop—Gun Carriage [illegible]	890	

Madras

Do	Constructing sick shed (60'×12') Transport Department	1,200	28/3105-06	Necessary
Do	Constructing a washing shed (30'×20') Transport Line, Perdipet	1,200		
Do	Constructing a service tank to hold Red Hills water at the Govt. Rockery	530		When funds are available
Do	Constructing a stripping shed in the Body guard lines	506		

(3) Commissariat Buildings.	Do. ..	Do. ..	52	Providing sun-shades to all exposed doors and windows in the Ordnance Lines.	C	..	4,160	..	..	..	..	..	..	..	..	Estimate of Rs. 4,160 was sanctioned in G.O., No. 2245 W., dated 22nd August 1887.
	Do. ..	Do. ..	53	Shed for the camp equipage.	B	..	6,935	..	..	..	..	..	..	..	..	Estimate of Rs. 6,935 has been received and is under disposal. Item No. 51, class C works, budget of 1887-88.
	West Coast.	Calicut ..	54	Transport sheds ..	B	..	3,310	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 46, class C works, budget of 1887-88.
	Presidency.	Bangalore.	55	Quarters for a Conductor, Transport Department.	C	..	5,800	..	..	..	..	..	..	..	..	Estimate of Rs. 5,800 was sanctioned in G.O., No. 192 W., dated 16th April 1886. Item No. 47, class C works, budget of 1887-88.
	Do. ..	Do. ..	56	Quarters for an Ambulance Sergeant near Cattle lines, Transport Department.	C	..	3,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 48, class C works, budget of 1887-88.
	West Coast.	Malapuram.	57	Constructing a cattle shed for the Commissariat Department.	C	..	4,000	..	..	..	..	..	..	..	..	Estimate is awaited.
	Presidency.	Madras ..	58	Lines for transport attendants.	C	..	48,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 49, class C works, budget of 1887-88.
	Do. ..	Do. ..	59	Workshops and sheds for carts, doolies, &c., Transport Department.	C	..	40,680	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 50, class C works, budget of 1887-88.
	Do. ..	Do. ..	60	Quarters for a Conductor, Commissariat Department.	C	..	4,000	..	..	..	..	..	..	..	..	Estimate is awaited.
	Chingleput.	Guindy ..	61	Quarters for station butcher attached to slaughter-house.	C	..	4,740	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 53, class C works, budget of 1887-88.
	Presidency.	Teynampet.	62	Constructing a wheat godown.	C	..	5,350	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 52, class C works, budget of 1887-88.
(5) Fortifications.	North Arcot.	Vellore ..	63	Constructing a draw-bridge and gate for the fort.	A	2,867	..	..	..	..	..	..	..	..	..	Estimate of Rs. 6,400 was sanctioned in G.O., No. 128 W., dated 7th March 1885. Item No. 11, class B works, budget of 1887-88.
	Presidency.	Fort St. George.	64	Facing the enciente of Fort St. George with Portland cement.	B	..	5,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 56, class C works, budget of 1887-88.
	West Coast.	Malapuram.	65	Converting Malapuram into a fortified station.	C	..	3,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 55, class C works, budget of 1887-88.
	Presidency.	Fort St. George.	66	Demolition of Wallajah ravelin and two lunettes.	C	..	7,420	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 57, class C works, budget of 1887-88.
	Do. ..	Do. ..	67	Constructing a draw-bridge at north gate.	C	..	2,680	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 58, class C works, budget of 1887-88.
(4) Staff and Miscellaneous.	Nilgiri ..	Ootacamund.	68	Water-supply, Lawrence Asylum.	C	..	7,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 54, class C works, budget of 1887-88.
	..	..	69	Reserve with Government for incomplete Major Works.	..	15,300	..	..	..	..	..	..	..	..	..	
				Total ..		87,624	4,90,444	5,77,968	1,50,000	7,27,968	3,50,000	2,47,887	16,165	..	12,42,000	

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

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

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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 or departments needed.	Approximate estimate of cost.	Remarks by the Commander-in-Chief.
Bangalore Division—*cont.*	Bangalore ...	Latrines for followers	RS. 1,600	Necessary.
	Do. ...	North Station Hospital—Quarters for men of Army Hospital, Native Corps.	756	Necessary.
	Do. ...	South Station Hospital—Quarters for men of Army Hospital Native Corps.	924	Necessary.
	Do. ...	Improving place of arms and hospital.	700	Necessary.
	Do. ...	Improving Staff Sergeants' quarters.	2,000	When funds are available.
	~~Do.~~ ...	~~Improving Sergeant Butcher's quarters.~~	~~495~~	~~Very necessary.~~
	Do. ...	Improving road from race-course barracks to slaughter-house.	1,400	When funds are available.
	Do. ...	Additions to accommodation in Transport lines.	1,545	Urgently required.
	Do. ...	Converting Sergeants' quarters into Sub-Conductors' quarters.	1,000	Very necessary.
	Do. ...	Two grass-sheds for the two field batteries.	920	Unauthorised, but desirable.
	Do. ...	Constructing a stone drain in forage yard and levelling ground.	1,440	Approved.
	Do. ...	Preparing a boarded floor in the room now used as a fencing room.	890	Approved.
	Do. ...	Lining with stone the drain east and west of barrack limits, parade barracks.	1,588	Desirable.
	Do. ...	New drains in Transport lines to carry off water.	1,100	Approved.
	Do. ...	A room suitable for an office for the Quarter-master at north end of Quartermaster's stores, British Infantry.	2,160	Approved.
	Do. ...	Drains around the Married and Staff Sergeants' quarters, &c., British Infantry at St. John's Hill Barracks.	710	Approved.

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Station	Description	Cost	Remarks
Bangalore Do	Line horse stables for staff sergeants' quarters Commissariat Department	575	Necessary
Do	2 servants' quarters for do	607	Necessary
Do	Quarters for 1st Class Purveyor North Station Hospital	800	Necessary
Do	Do—for 1 Second class Do	600	Necessary
Do	Providing flagged slabs to the staff and married sergeants' quarters 2 & 3 and [illegible] at St. John's Hill	575	When funds are available

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35/3105-06

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

Division or district.	Station.	Description of buildings, &c., and for what corps or departments needed.	Aproximate estimate of cost.	Remarks by the Commander-in Chief.
Ceded dist.—*cont.*	Bellary ...	Converting No. 5 division workshop in the Arsenal int[illegible]	RS. 1,464	When funds are available.
	Bellary Do	Boarding portion of floor of the gymnasium, providing new Horizontal bar and fitting up racks for Dumb bells	1,050	Desirable
	Do	Improving present armourer's shop Native Cavalry by adding a browning room and opening a large window	700	Very necessary
	Do	Skittle alleys for British Infantry	1,600	When funds are available
	...	[illegible] houses and stables for Apothecary's quarters, West	800	Approved.
	Malappuram? Do	Quarters for Hospital purveyor	1,250	Necessary
	Do	Quarters for men of the Army Hospital Native Corps	2,030	Necessary
	Do	Converting the old contagious disease ward into quarters for the Commissariat Department	2,270	Necessary
	...	Two solitary cells	1,245	Approved.
	Mangalore	Reflooring [illegible]		
	Wellington Do	A building for manufacturing blank ammunition	1,000	Necessary
	Do	A ward for lunatic men in the Station Hospital	850	Necessary
		[illegible] nation boards for Hospital ward—31st Light Infantry.	22,064	
	...	Lump sum provision for works costing below Rs. 500 each.	32,343	
		Total	1,50,000	

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33/8105-06

34/8105-06

36 ~~80~~ B105-06

I. W. D.

Telegram (ordinary)

To,

Military Simla

Figures of Military Works Schedule for 1889-90 are as follows + Original major works + In progress 70457 + New Works 6,14,543 + Minor Works 150,000 + Repairs 3,50,000 + Establishment 2,72,300 + Tools and Plant 17,700 + Total 14,75,000 + Details follow +

despd 2.X.88

[illegible]
2/10/88

R, S.

E. M.

(3) Commissariat Buildings.	Do. ..	Do. ..	52	Providing sun-shades to all exposed doors and windows in the Ordnance Lines.	C	..	4,160	..	..	..	..	..	..	..	..	Estimate of Rs. 4,160 was sanctioned in G.O., No. 2348 W., dated 22nd August 1887.
	Do. ..	Do.	53	Shed for the camp equipage.	B	..	6,935	..	..	..	..	..	..	..	..	Estimate of Rs. 6,935 has been received and is under disposal. Item No. 51, class C works, budget of 1887-88.
	West Coast.	Calicut ..	54	Transport sheds ..	B	..	3,310	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 46, class C works, budget of 1887-88.
	Presidency.	Bangalore.	55	Quarters for a Conductor, Transport Department.	C	..	5,800	..	..	..	..	..	..	..	..	Estimate of Rs. 5,800 was sanctioned in G.O., No. 992 W., dated 16th April 1886. Item No. 47, class C works, budget of 1887-88.
	Do. ..	Do. ..	56	Quarters for an Ambulance Sergeant near Cattle lines, Transport Department.	C	..	3,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 48, class C works, budget of 1887-88.
	West Coast.	Malapuram.	57	Constructing a cattle shed for the Commissariat Department.	C	..	4,000	..	..	..	..	..	..	..	..	Estimate is awaited.
	Presidency.	Madras ..	58	Lines for transport attendants.	C	..	48,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 49, class C works, budget of 1887-88.
	Do. ..	Do.	59	Workshops and sheds for carts, doolies, &c., Transport Department.	C	..	40,080	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 50, class C works, budget of 1887-88.
	Do. ..	Do. ..	60	Quarters for a Conductor, Commissariat Department.	C	..	4,000	..	..	..	..	..	..	..	..	Estimate is awaited.
	Chingleput.	Guindy ..	61	Quarters for station butcher attached to slaughter-house.	C	..	4,740	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 53, class C works, budget of 1887-88.
	Presidency.	Teynampet.	62	Constructing a wheat godown.	C	..	5,950	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 52, class C works, budget of 1887-88.
(5) Fortifications.	North Arcot.	Vellore ..	63	Constructing a draw-bridge and gate for the fort.	A	2,867	..	..	..	..	..	..	..	..	..	Estimate of Rs 6,450 was sanctioned in G.O., No. 528 W., dated 7th March 1885. Item No. 11, class B works, budget of 1887-88.
	Presidency.	Fort St. George.	64	Facing the encinte of Fort St. George with Portland cement.	B	..	5,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 56, class C works budget of 1887-88.
	West Coast.	Malapuram.	65	Converting Malapuram into a fortified station.	C	..	5,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 55, class C works, budget of 1887-88.
	Presidency.	Fort St. George.	66	Demolition of Wallajah ravelin and two lunettes.	C	..	7,426	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 57, class C works, budget of 1887-88.
	Do. ..	Do. ..	67	Constructing a draw-bridge at north gate.	C	..	2,680	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 58, class C works, budget of 1887-88.
	Nilgiri ..	Ootacamund.	68	Water-supply, Lawrence Asylum.	C	..	7,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 54, class C works, budget of 1887-88.
(4) Staff and Miscellaneous.	..	..	69	Reserve with Government for incomplete Major Works.	..	15,300	..	..	..	..	..	..	..	..	..	....
				Total ..		87,524	4,90,444	5,77,968	1,50,000	7,27,968	3,50,000	2,47,867	16,165	..	13,42,000	

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

Division or district.	Station.	Description of buildings, &c., and for what corps or departments needed.	Approximate estimate of cost.	Remarks by the Commander-in-Chief.
			Rs.	
Eastern District.	Fort St. George.	Store-room, forge workshop—Arsenal.	520	When funds are available.
	Do. ...	A new bridge across trench in new park—Arsenal.	810	
	Do. ...	I. room alterations for theatre ...	1,000	
	Do. ...	Pipes to carry off main water from the barracks—Officers' quarters, &c.	900	Recommended.
	Do. ...	Improvements to military prison.	810	When funds are available.
	Do. ...	~~Putting up 13 ventilator windows in the mess-room of the officers' mess-house of the British Regiment.~~	~~600~~	
	Do. ...	~~Enclosing verandah in the office of the Examiner, Medical Accounts.~~	~~960~~	~~Approved.~~
	Madras ...	Ordnance store-room—Beach ...	1,250	Necessary.
	Do. ...	Huts, infectious disease—Station hospital.	750	When funds are available.
	Do. ...	Regimental school—Perambúr lines, Madras Infantry.	1,375	
	Do. ...	Shed to hold fire-engine, at the Government Bakery.	820	Approved.
	Do. ...	Iron railings to passage in the Storekeeper-General's record-room—Commissary-General's office.	670	
	Do. ...	~~Godown, wheat, &c. ... ...~~	~~1,785~~	When funds are available.
	Do. ...	Drainage—Bakery premises ...	950	
	Do. ...	Gram-boiling shed—Mule lines.	1,500	
	Do. ...	Latrine for hospital—Rayapuram lines.	1,000	
	Do. ...	Converting one Sub-Conductor's quarters, Commissariat Department, to Conductor's quarters by adding a room 18 × 16'.	576	Approved.
	Do. ...	Store-room to 3 warrant officers and 4 sergeants' quarters—Commissariat Department.	1,000	
	Do. ...	Additional latrine accommodation—Army Clothing Department.	530	
	Do. ...	Granite stone foundation for machinery to wheel-wrights' shop—Gun Carriage Factory.	890	
	Do. ...	Laying on Red Hills water in pipes to the quarters of the Conductor and Mechanical Engineer at the Government Bakery, Teynampet.	500	
	St. Thomas' Mount.	Commissariat—Wells, &c., public cattle depôt.	1,200	When funds are available.
	Do. ...	Royal Artillery — Lightning conductor, Magazine.	1,500	Most important.
	Do. ...	Closing up archway, gun-shed —P. Battery, 1st Brigade.	560	Very necessary.
	Do. ...	Improvements to Sergeants' quarters — Reserve Powder Magazine.	585	*Vide* G.O., No. 2557 W., dated 2nd November 1885. Very necessary.

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

Division or district.	Station.	Description of buildings, &c., and for what corps or department needed.	Approximate estimate of cost.	Remarks by the Commander-in-Chief.
			Rs.	
Eastern District—*cont.*	St. Thomas' Mount.	Constructing a second verandah to the harness room attached to east barracks, Royal Artillery.	1,170	When funds are available.
	Do. ...	Constructing two store-rooms and two cook-rooms to recreation-room, library and coffee shop, east barracks.	700	Approved.
	Do. ...	Drains in stables, east barracks.	800	
	Do. ...	~~Improving lightning-conductor, Reserve Powder Magazine.~~	~~640~~	
	Do. ...	Coating the pillars of Royal Artillery stables in the east and west barracks.	880	
	Do. ...	Constructing three line-gear rooms for Royal Artillery stables, east barracks.	1,140	
	Do. ...	Converting the vacant family quarters, south barracks, into quarters for medical subordinates doing duty at the station hospital.	1,070	
	Pallávaram ...	Tiled-shed	636	When funds are available.
	Poonamallee ...	~~Alteration—Barracks ... ...~~	~~1,600~~	
	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.	2,460	
	Do. ...	Improving drains in cantonment	1,500	Approved.
	Do. ...	Bullocks shed—Commissariat Department.	510	
	Vizianagram ...	New magazine—Madras Infantry.	1,530	Very necessary.
	Do. ...	Improvements to hospital—Madras Infantry.	515	When funds are available.
	Do. ...	Improvements to ventilation—Madras Infantry.	545	
	Do. ...	Contagious disease shed ...	917	Approved.
	Berhampore ...	Building for Commissariat stores and office.	1,200	When funds are available.
	Arkónam ...	Improving drains outside the compounds of the rest-house.	560	Approved.
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. ...	Two Riding Schools	1,156	Necessary. Estimate already sanctioned by Government.
	Do. ...	Latrine—Six seats for men at stables.	600	Very desirable.
	Do. ...	Camp equipage stores—Connecting with water-supply.	1,170	When funds are available.

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

Division or district.	Station.	Description of buildings, &c., and for what corps or departments needed.	Approximate estimate of cost.	Remarks by the Commander-in-Chief.
			Rs.	
Eastern District—*cont.*	Fort St. George.	Store-room, forge workshop—Arsenal.	520	When funds are available.
	Do.	A new bridge across trench in new park—Arsenal.	810	
	Do.	L. room alterations for theatre ...	1,000	
	Do.	Pipes to carry off main water from the barracks—Officers' quarters, &c.	900	Recommended.
	Do.	Improvements to military prison.	810	When funds are available.
	Do.	Putting up 12 ventilator windows in the mess room of the officers' mess-house of the British Regiment.	600	
	Do.	Enclosing verandah in the office of the Examiner, Medical Accounts.	950	Approved.
	Madras	Ordnance store-room—Beach ...	1,250	Necessary.
	Do.	Huts, infectious disease—Station hospital.	750	When funds are available.
	Do.	Regimental school—Perambúr lines, Madras Infantry.	1,375	
	Do.	Shed to hold fire-engine, at the Government Bakery.	820	Approved.
	Do.	Iron railings to passage in the Storekeeper-General's record-room—Commissary-General's office.	670	
	Do.	Godown, wheat, &c.	1,785	When funds are available.
	Do.	Drainage—Bakery premises ...	950	
	Do.	Gram-boiling shed—Mule lines.	1,500	
	Do.	Latrine for hospital—Ráyapuram lines.	1,000	
	Do.	Converting one Sub-Conductor's quarters, Commissariat Department, to Conductor's quarters by adding a room 18 × 16'.	576	Approved.
	Do.	Store-room to 3 warrant officers and 4 sergeants' quarters—Commissariat Department.	1,000	
	Do.	Additional latrine accommodation—Army Clothing Department.	536	
	Do.	Granite stone foundation for machinery to wheel-wrights' shop—Gun Carriage Factory.	890	
	Do.	Laying on Red Hills water in pipes to the quarters of the Conductor and Mechanical Engineer at the Government Bakery, Teynampet.	550	
	St. Thomas' Mount.	Commissariat—Wells, &c., public cattle depôt.	1,200	When funds are available.
	Do.	Royal Artillery — Lightning conductor, Magazine.	1,500	Most important.
	Do.	Closing up archway, gun-shed —P. Battery, 1st Brigade.	560	Very necessary.
	Do.	Improvements to Sergeants' quarters — Reserve Powder Magazine.	585	*Vide* G.O., No. 2557 W., dated 2nd November 1885. Very necessary.

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

Division or district.	Station.	Description of buildings, &c., and for what corps or departments needed.	Approximate estimate of cost.	Remarks by the Commander-in-Chief.
			Rs.	
Eastern District—*cont.*	St. Thomas' Mount.	Constructing a second verandah to the harness room attached to east barracks, Royal Artillery.	1,170	When funds are available.
	Do.	Constructing two store-rooms and two cook-rooms to recreation-room, library and coffee shop, east barracks.	700	Approved.
	Do.	Drains in stables, east barracks.	800	
	Do.	Improving lightning-conductor, Reserve Powder Magazine.	640	
	Do.	Coating the pillars of Royal Artillery stables in the east and west barracks.	880	
	Do.	Constructing three line-gear rooms for Royal Artillery stables, east barracks.	1,140	
	Do.	Converting the vacant family quarters, south barracks, into quarters for medical subordinates doing duty at the station hospital.	1,070	
	Pallávaram ...	Tiled-shed	636	When funds are available.
	Poonamallee ..	Alteration—Barracks	1,000	
	Do.	Wall, new—Family quarters ...	1,000	
	Do.	Constructing new walls between the latrines of the family quarters.	730	
	Do.	Providing lightning-conductor to the station hospital.	2,460	
	Do.	Improving drains in cantonment	1,500	Approved.
	Do.	Bullocks shed—Commissariat Department.	510	
	Vizianagram ..	New magazine—Madras Infantry.	1,530	Very necessary.
	Do.	Improvements to hospital—Madras Infantry.	515	When funds are available.
	Do.	Improvements to ventilation—Madras Infantry.	545	
	Do.	Contagious disease shed ...	917	Approved.
	Berhampore...	Building for Commissariat stores and office.	1,200	When funds are available.
	Arkónam ...	Improving drains outside the compounds of the rest-house.	560	Approved.
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.	Two Riding Schools	1,156	Necessary. Estimate already sanctioned by Government.
	Do.	Latrine—Six seats for men at stables.	600	Very desirable.
	Do.	Camp equipage stores—Connecting with water-supply.	1,170	When funds are available.

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

Division or district.	Station.	Description of buildings, &c., and for what corps or departments needed.	Approximate estimate of cost.	Remarks by the Commander-in-Chief.
			Rs.	
Bangalore Division—*cont.*	Bangalore ...	Latrine for followers	1,600	Necessary.
	Do. ...	North Station Hospital—Quarters for men of Army Hospital, Native Corps.	756	
	Do. ...	South Station Hospital—Quarters for men of Army Hospital Native Corps.	924	
	Do. ...	Improving place of arms and hospital.	700	
	~~Do.~~ ...	Improving Staff Sergeants' quarters.	2,000	When funds are available.
	~~Do.~~ ...	~~Improving Sergeant Bachelor's quarters.~~	~~686~~	~~Very necessary.~~
	Do. ...	Improving road from race-course barracks to slaughter-house.	1,460	When funds are available.
	Do. ...	Additions to accommodation in Transport lines.	1,545	Urgently required.
	Do. ...	Converting Sergeants' quarters into Sub-Conductors' quarters.	1,000	Very necessary.
	Do. ...	Two grass-sheds for the two field batteries.	920	Unauthorised, but desirable.
	Do. ...	Constructing a stone drain in forage yard and levelling ground.	1,440	Approved.
		Preparing a boarded floor in the room now used as a [illegible]	800	
	Do. ...	Lining with stone the drain east and west of barrack limits, parade barracks.	1,538	Desirable.
	Do. ...	New drains in Transport lines to carry off water.	1,100	Approved.
		A room suitable for an office for the Quarter-master at north end of Quartermaster's stores, British Infantry.	2,160	
	Do. ...	Drains around the Married and Staff Sergeants' quarters, &c., British Infantry at St. John's Hill Barracks.	710	
	Do. ...	~~Quarters for the station butcher.~~	~~2,000~~	
Ceded Districts.	Bellary ...	Additions to the gate conductor's office—Arsenal, Bellary.	1,464	Approved.
	Do. ...	Renewal floor, No. II Magazine, Fort.	616	Very necessary.
	Do. ...	Reflooring Commissariat storerooms with asphalte.	670	
	Do. ...	Drain pipes required to be fitted around the buildings to carry off rain-water from the roofs.	1,690	Desirable.
	Do. ...	Skittle alley	1,600	When funds are available.
	Do. ...	~~Guard-room for hospital guard. Station Hospital.~~	~~1,000~~	~~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.	1,200	
	Do. ...	Compound wall for medical subordinates' quarters—Station Hospital.	535	
		Enlarging a well in the cantonment.	854	

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

Division or district.	Station.	Description of buildings, &c., and for what corps or departments needed.	Approximate estimate of cost.	Remarks by the Commander-in-Chief.
			Rs.	
Ceded dist.—*cont.*	Bellary ...	Converting No. 5 division workshop in the Arsenal into an office for the gate conductor.	1,464	When funds are available.
	Wellington ...	Renewing floors of latrines and school block.	1,680	Necessary.
	Do. ...	Enlarging purveyors' stores ...	2,000	Very necessary.
	~~Do.~~ ...	~~Cooking stoves for Staff Sergeants' quarters.~~	~~686~~	
	Do. ...	Supplying cooking stove, Sergeants' mess	800	Desirable.
	~~Do.~~ ...	~~Laying on drinking water to hospital.~~	~~2,326~~	
	~~Do.~~ ..	~~Masonry drain from Barracks square to Engineer's office.~~	~~510~~	Approved.
	Do. ...	Shed for dhooly-bearers and dhooly.	2,300	Approved, but estimate seems very high.
	Cannanore ..	Alterations and improvements to the Government bakery.	2,117	Desirable.
	Calicut ...	Stable and harness-room for 12 mules for the Commissariat Department at West Hill barracks.	1,900	Approved, but something on a cheaper scale should be provided.
	Do. ...	Road to Transport lines	1,000	Approved, if such a road is found necessary when a site for the new lines is finally settled.
Southern Districts.	Do. ...	Extension of present wash and bath houses for the detachment.	950	Approved.
	Do. ..	Servants' houses and stables for Apothecary's quarters, West Hill.	990	
	Do. ...	Lines for Native Army Hospital for eight men.	1,056	
	Malapuram ...	Converting beer go-down into a gymnasium for detachment	790	Very necessary.
	Do. ...	Providing a platform and pump to well.	1,110	
	~~Do.~~ ...	~~Compound wall for infectious disease ward.~~	~~725~~	
	~~Mettupálayam.~~	~~Sick-cart shed—Commissariat Department.~~	~~1,500~~	Approved.
	Quilon ...	Renewing floor of hospital ...	1,970	Desirable.
	~~Do.~~ ...	~~An armourers' shop—Madras Infantry.~~	~~1,700~~	~~When funds are available.~~
	Do. ...	Two solitary cells ..	1,245	Approved.
Belgaum District.	Mangalore ...	Reflooring hospital—Madras Infantry.	695	When funds are available.
	Do. ...	Additions to armourers' workshop	790	
	Do. ...	Constructing permanent verandah for the Quartermaster's store, Native Infantry.	633	
	Do. ...	Putting a tar composite floor in place of arms in lieu of the existing wooden floor—Native Infantry.	653	
	Do. ...	Constructing parapet walls to two wells, erecting nine dust-bins and providing six designation boards for Hospital ward—31st Light Infantry.	671	Approved.
	...	Lump sum provision for works costing below Rs. 500 each.	32,343	
		Total .	~~1,50,000~~	

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STATISTICAL

Form No. 20 A. / 7 B.

Ootacamund,
8th September 1888.

No. 3268-A.

From

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

QUARTER MASTER GENERAL,

To

THE SECRETARY TO GOVERNMENT,

Public Works ~~Military~~ DEPARTMENT.

SIR,

I have the honor, by order, to forward for submission to Government the schedules of requirements in military works in connection with the Imperial Budget Estimate of the Public Works Department for the coming official year.

2. The works have been classified in the usual manner, but as all the class C. Works in the list attached to the final Issue of the Budget for the current year* are still required, it has been considered unnecessary to re-enumerate them and it will therefore be understood that the schedule of these works now forwarded

*C.G. No. 1199 W dy 23rd April '88.

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