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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

P.W.D.

DEPARTMENT

G.O. No.	3537-W	Press.
B.P. No.		Mis.
Dated	10-12-1883.	198

K.M.K.

Not to be folded or roughly handled.

3537
1

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

READ—the following letter from Colonel H. L. PRENDERGAST, R.E., Superintending Engineer, Fifth Circle, to the Chief Engineer, Public Works Department, dated Chepauk, 28th November 1883, No. 3077 :—

I have the honor to submit, for sanction, an estimate of Rs. 525 for additions and alterations to the station butcher's quarters at Bangalore.

2. The work is included in the list of Military works estimated to cost Rs. 2,500 and under for 1884-85, page 4, circulated with G.O., No. 3002 W., dated 24th October 1883.

3. There are no funds available at present.

No. 2387 C., Public Works.

Submitted for the approval of Government in the Military Department.

(By Order.)

CHEPAUK,
1st December 1883.

(Signed) C. BOWEN, Major, R.E.,
Deputy Chief Engineer, P.W.D.

No. 6538, Military.

Referred to the Commissary-General for countersignature of the estimate, if approved.

MADRAS,
3rd December 1883.

(Signed) E. L. HANKIN, Colonel,
Secretary to Government.

No. 5382.

Estimate countersigned and returned.

MADRAS,
4th December 1883.

(Signed) B. H. W. MAGRATH, Colonel,
Commissary-General.

No. 6591, Military.

Approved.

(By Order.)

FORT ST. GEORGE,
5th December 1883.

(Signed) E. L. HANKIN, Colonel,
Secretary to Government.

ORDER—dated 10th December 1883, No. 3537 W., Public Works.

The estimate, amounting to Rs. 525, for additions and alterations to the station butcher's quarters at Bangalore, is sanctioned for execution when funds are available.

2. This sanction has been registered as Imperial Ordinary No. 49 W. of 1883-84 and classified as Military, Original Works.

(True Extract.)

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

To the Superintending Engineer, Fifth Circle, with one enclosure.
" Examiner, Public Works Accounts.
" Military Department.

Exd. A. Aubert.
Spare Copies

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of (1883) Madras.

PUBLIC WORKS.

Dated December, 10th.

Recd.

Encl.

G.O., 10th Dec. 1883, No. 3537 W.

DECEMBER.

Butcher's Quarters

An estimate for additions and alterations
to the station — at Bangalore, sanctioned.

1883.

P. W. DEPARTMENT.

Current No. 10598-3

From

The Sup. Engr.
5th Circle.

No 3077.

Dated 28th Nov/83.

Received 29

SUBJECT.

Submitting for sanction and
estimate for additions and
alterations to the station
Butcher's Quarters at Bangalore

DISPOSAL.

No. 2387

Dated 1st Dec/83

Submitted for the
approval of Government
in the military department.

(By order)

(Signed) Ch. Engr. P. W. D.

Quv

1/12

20/12

C.O. 3003 May 24

(Appendix to G.O., No. 3002 W., dated 24th October 1883.)

List of Military Works estimated to cost Rs. 2,500 and under, and for which Funds are required in the Public Works Budget for 1884-85.

Division or District.	Station.	Description of buildings, &c., and for what corps or department needed.	Approximate estimate of cost.	Remarks by the standing Barrack Committee as to the necessity of the buildings, references to former applications, orders of Government, &c.	Remarks by the Officer Commanding Division or District.	Remarks by the Commander-in-Chief.
Eastern District.	Fort St. George ..	<i>Arms.</i> A verandah to Section II, VI, and VII, Store ..	Rs. 200	Very much needed for the storage of serviceable fire-engines which are now kept out.	Recommended ..	Approved.
		A store-room in the forge workshop ..	520	Very much needed, the present one being too small.	Do. ..	Do.
		Railings to miscellaneous workshop and a door between them and armourer's shop.	750	Very much needed ..	Do. ..	Do.
		A shed in the new park ..	440	Very much needed for painting canvas ..	Do. ..	Do.
		The verandah of the European infantry officers' mess-house to be extended.	1,900	Required as the present verandah is too small ..	Recommended. The mess-house has a very small verandah and would be much improved by a verandah along the set-face of the building.	Do.
	Madras ..	A good water-tap for the quarters of the superintendent of fire-engines.	200	Very much needed ..	Recommended ..	Do.
		<i>Body Guard.</i> Dispensary for veterinary department for Body Guard.	1,300	NW ..	Do. ..	When funds are available.
		<i>Gun-powder Factory.</i> Breaking down house ..	500	G.O., No. 69, dated 7th January 1874 ..	Recommended as being apparently portion of the scheme for the thorough renewal of the gun-powder factory—side items in the list of major works.	Approved.
		1 Breaking down machine ..	1,100	G.O., No. 1401, dated 31st March 1875 ..	Do. ..	Do.
		House for 6-horse power engine and boiler.	1,785	There is no place at present should emergency demand the storage of wheat without endangering the safety of the bread-stuffs by the introduction of weavils into the main building. Estimate sanctioned in G.O., No. 1863 W., dated 5th July 1883.	Recommended.	Do.
		Wooden flooring and thorough repair.	950	There is no drainage-water lodges, and for sanitary purposes it is necessary that the ground should be levelled and a proper system of drains laid down.	Do.	When funds are available.

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List of Military Works estimated to cost Rs. 2,500 and under, and for which Funds are required in the Public Works Budget for 1884-85—cont.

Division or District.	Station.	Description of buildings, &c., and for what corps or department needed.	Approximate estimate of cost.	Remarks by the standing Barrack Committees as to the necessity of the buildings, reference to former applications, orders of Government, &c.	Remarks by the Officer Commanding Division or District.	Remarks by the Commander-in-Chief.
Eastern District—cont.	St. Thomas' Mount.	Sinking a well, erecting a meat and trough apparatus, public cattle depot.	Rs. 800	Required in the public cattle depot in consequence of there being no water nearer than a tank 250 yards distant from the lines which in the hot season is perfectly dry; during the period the bullocks have to be taken to the river for water.	Recommended. When funds are available.	When funds are available.
		Lavatories on the standard plan for the north barracks.	2,000	Do.	Recommended. These barracks have no proper lavatories.	Approved.
		Lavatories on the standard plan for the south barracks.	2,000	Do.	Recommended.	Do.
		Bath-room for hospital of the native infantry regiment.	360	Do.	Do.	Do.
		Hospital wall to be completed.	286	Do.	Do.	Do.
Vizianagrum	..	Three public latrines, viz., one for men in the left wing, and two for women, one in each wing, on dry earth system.	2,256	Much required, there being no accommodation which could be used for the purpose. Present wall encloses three sides of the hospital, while on the fourth side and nearest the regimental lines there is none. If wall is completed, all ingress and egress will be confined to the regular entrance and a better watch kept over the movements of patients.	Do.	Do.
		Powder magazine with surrounding walls on standard plan.	1,990	Much required, there being at present only one latrine for men in the right wing, sanctioned side Proceedings of Madras Government, No. 292, dated 24th January 1874. Rs. 765 for one completed, sanction for three more asked for.	Do.	Do.
		Armourer's workshop	900	Much required, the present magazine having been condemned and having no protecting walls round it. The shelves being built into the walls are continually attacked by white-ants.	Do.	Do.
		A wall to the military hospital of the native infantry regiment.	1,016	Much required, the work having been sanctioned side Proceedings of Madras Government, No. 1111, dated 17th April 1873, progress of work stopped on account of famine in 1877, and not since completed.	Do.	Do.
		School-house for a native infantry regiment	960	There is no wall or fence separating the hospital from a small village which adjoins it, to which patients in hospital can find easy access. A proper wall is therefore absolutely necessary. Approved when funds are available—side extract from list of works for 1878-79. Estimate sanctioned in G.O., No. 1236 W., dated 25th April 1883. A school-house is absolutely required for the use of the regiment, the present building (regimental property) having fallen in and being utterly unsuited for the purpose. G.O., No. 3764, dated 6th July 1883. P.W., No. 1768, dated 23rd June 1883.	Do.	Do.

Mangalore	..	Forge trough and cupola to the armourer's workshop, also a screen as per clause 2, paragraph 13 of G.O.C., No. 12, dated 12th February 1874.	730	Original estimate for Rs. 500 sanctioned—side Proceedings of Madras Government, Military, No. 2132, dated 13th September 1876. G.O., No. 2590 W., dated 4th October 1882.	Required	When funds are available.
		Introducing dry earth system	758	An important work. G.O., No. 2590 W., dated 4th October 1882.	Important	Most important.
		Replacing the laterite flooring of the recreation room with concrete in chumam and asphalt.	2,140	Recommended. The laterite perishes rapidly. Sanction in abeyance.	Depends on the result of the experiment made with these materials in the native infantry place of arms.	Necessary.
		Replacing the present flooring of the school-room with concrete in chumam and asphalt.	770	Recommended. The laterite flooring perishes rapidly.	Seems desirable	Do.
		Replacing the present flooring of the European barracks with open laterite work.	639	Recommended on economic grounds. The wooden railings are expensive and require constant renewal. Sanctioned by Commander-in-Chief.	Desirable	Do.
Cannanore	..	Replacing the present flooring of the European infantry cells with concrete in chumam and asphalt.	1,100	Recommended. Laterite flooring is found to perish rapidly. Sanction in abeyance.	Depends on the results of the experiment made in the native infantry place of arms with these materials.	Do.
		Sinking a well	664	Another well is required. The water-supply is very scanty during the hot weather. Sanctioned by Commander-in-Chief.	Recommended	Very necessary.
		Raising the parapet of the magazine redoubt on a level with its caves and moving the guard-room from inside to outside the ditch.	1,200	Desirable as a precautionary measure	Do.	Very desirable.
		An armourer's shop	1,700	Much needed. The existing building is unsuited to present requirements. Browning arms cannot be carried on.	Desirable	Very necessary.
		A new latrine for the staff sergeant's quarters. Royal Horse Artillery, the present one being old and condemned on sanitary grounds.	2,100	Very necessary. This was condemned by a Board of which Deputy Surgeon-General was a member. Recommended in 1882.	Urgently required	Recommended.
Bangalore	..	Station shed for field batteries	1,750	G.O., No. 1232 of 14th May 1872. Much required. No cover for issue of ration.	Desirable	When funds are available.
		A battery staff sergeant's quarters for Royal Horse Artillery. One more required is now desirable.	1,100	Very necessary. There is at present no quarters for battery quartermaster-sergeant. The Committee recommended the conversion of the present camp store into a quarter, the camp equipment being removed into old foot artillery barracks. First time recommended.	Conversion recommended	Approved.

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List of Military Works estimated to cost Rs. 2,500 and under, and for which Funds are required in the Public Works Budget for 1884-85—cont.

Division or District	Station	Description of buildings, &c., and for what corps or department needed.	Approximate estimate of cost.	Remarks by the standing Barrack Committee as to the necessity of the buildings, references to former applications, orders of Government, &c.	Remarks by the Officer Commanding Division or District.	Remarks by the Commander-in-Chief.
Bangalore Division—cont.	Bangalore—cont.	<i>Royal Artillery—cont.</i> Stone drains to forage yard and lines, Royal Horse Artillery. Cook-houses for sergeants' messes of two field batteries. One desirable. 12th Royal Lancers.	1,440 1,470	G.O., No. 366 of 2nd December 1879. Much required. Very necessary. First brought forward in 1882.	Desirable Very necessary	When funds are available. Approved.
		To provide a gymnasium and fencing room	1,500	Very necessary. Recommended that half of No. 5 block, British cavalry barracks, be converted into a regimental gymnasium and fencing gallery. First time brought forward.	Strongly recommended	When funds are available.
		A latrine with twelve seats for use of the men whilst at stables is indispensable. <i>Communicariat Department.</i>	1,200	Very necessary. First time brought forward.	Six seats urgently required.	Six seats approved.
		To build, on tender present building used as such (built for a native), quarters for the station butcher. To improve the road leading from slaughter-house to circular road near cavalry barracks to enable meat carts to travel to and fro without breaking down or injuring meat by jolting.	520 1,400	Very necessary, if the station butcher is to live at the slaughter-house. First time brought forward. Necessary	Desirable Desirable when funds are available.	When funds are available. Do. do.
		<i>Transport Department.</i> The speedy construction in the transport cattle-lines of a shed for carts and trollies. A saddle-room Store-rooms All being urgently required for the storage of saddles, line, gear, &c., and for protection of carts and trollies.	1,200	{ The adoption of existing camel-sheds, which are more than are now required for camels, into these buildings is very necessary. The mules (other than sick ones) should be picketted in regular male-lines, south of transport non-commissioned officers' quarters and only such mules left under shelter. First time these requirements have been brought forward.	{ Necessary, so far as recommended by Committee.	Approved.
	Army Hospital Corps.	Thirty-three huts to be erected in the vicinity of the south station hospital. Twenty-seven huts near the north station hospital are absolutely necessary for the use of the men of the native army hospital corps doing duty in Bangalore. Clause 204, paragraph 24, Army Circular, 30th November 1882.	924 756	{ First time these requirements have been brought forward.	{ Necessary on the corps being embodied.	{ Do.
	Bangalore—cont.					
	Bangalore—cont.					

Bangalore Division—cont.

Wellington	Medical Department.	Stables for medical subordinates attached to Royal Artillery and Cavalry, south station hospital.	1,000	Much required. Temporary stabling at present, which is objectionable.	Necessary if the medical subordinates are entitled to stabling.	When funds are available.
		<i>British Infantry.</i> Roofing the corrugated iron urinals in barrack square.	1,320	G.O., No. 366, dated 21st July 1876 " No. 4383 " 30th August 1876 " No. 2611 " 26th September 1876. " No. 2732 " 11th October Strongly urged by the medical authorities. First recommended in 1882. Much needed, there being no proper resort to this class.	Urgently required Required	Approved. Do.
		Latrines for native followers	1,600			Do.
		Removing the present concrete floors of latrines of Nos. 1, 2, 3, 4 and 5 barracks and school blocks and relaying the same with 12 square tiles. Bath-rooms to Nos. 1, 2, 3, 4 and 5 blocks for pay sergeants.	1,680 2,350	G.O.s, Nos. 1472 and 1812, dated 4th and 9th June 1874. Recommended 1882. Very necessary. The present concrete flooring is always out of repair. Recommended 1881 and 1882. Very necessary, as at present the married pay sergeants who live upstairs are without bath-rooms. Recommended 1882. Very necessary. The present flooring is always out of repair.	Very necessary Very desirable Desirable	Do. Do. Do.
		Brick tiled flooring, instead of present concrete, to covered passage leading from married quarters to latrines. Parveyour's stores to be enlarged as the space is insufficient for bedding, clothing and furniture. Supplying 7 cooking stoves to staff sergeants' quarters similar to those for married quarters. Supplying cooking range to sergeants' mess capable of cooking for 30 sergeants. Compound wall and alterations to the Commissariat buildings. Drainage works near barracks	1,000 2,000 600 800 1,280 1,822 2,070	Recommended 1882. Necessary Very necessary. First time brought forward Do. do. do. G.O., No. 345, dated 24th August 1875. Desirable. G.O., No. 1748, dated 23rd July 1872. Desirable, much wanted. G.O., No. 5869, dated 28th November 1876, desirable.	Necessary Very desirable Desirable Not urgently required Recommended Desirable	Do. Do. Do. When funds are available. Do. Do.
	27th Regiment, Native Infantry.	Erecting a stone reservoir and laying pipes between springs and outlet of spring water supply.	1,300		This is very much required, the present building being quite unsuitable.	Do.
		School				Do.
	Bellary	Latrine for the left wing	1,500	The present one is inconveniently situated for this half battalion and there is not sufficient seat accommodation for the whole regiment, G.O., No. 5590 W., dated 4th October 1882.	Recommended, but the estimate appears very high. The latrine is much required.	Estimate seems expensive.

Ceded Districts.

List of Military Works estimated to cost Rs. 2,500 and under, and for which Funds are required in the Public Works Budget for 1884-85—cont.

Division or District.	Station.	Description of buildings, &c., and for what corps or department needed.	Approximate estimate of cost.	Remarks by the standing Barrack Committee as to the necessity of the buildings, reference to former applications, orders of Government, &c.	Remarks by the Officer Commanding Division or District.	Remarks by the Commander-in-Chief.
Ceded Districts—cont.		<i>Native Infantry Hospital.</i> Two small cook-rooms for use by 24th and 27th regiment.	800	A temporary arrangement for utilizing an unused latrine has been recommended, but has not been found to answer. There is no other place available, and out-door cooking is not advisable for sick. The lines are distant about ½ mile. This is included in the budget works for 1883-84, and the estimate (approximate) is for Rs. 1,200. The present is for two small sheds against the rear compound wall G.O. No. 2360 W., dated 4th October 1882.	To turn a latrine, even an unused one and for a temporary arrangement, into a cook-room, seems to me altogether unsuitable and objectionable. Two small cook-houses are undoubtedly required.	Cook-houses very necessary. Should there be no objection on sanitary grounds and if the latrine has not been in use, there seems no reason why the proposed arrangement should not answer.
	Bellary—cont.	<i>Ordnance Depot.</i> Out-houses for the quarters of the laboratory sergeant, attached to the ordnance department.	620	These quarters have been recently formed from a portion of the depot stores and are devoid of the accommodation asked for. Estimate sanctioned in G.O. No. 2401 W., dated 3rd September 1883.	Must be repaired and is therefore recommended.	When funds are available.
		<i>Female Hospital.</i> Compound wall	1,000	There is at present no fence round this hospital to ensure the privacy of the inmates. This hospital is close to the station hospital and the European infantry barracks.	This is, I think, very much required. There is absolutely nothing to prevent a patient-by seeing the patients in their beds. Privacy is also required for the patients walking about of an evening and for washing soiled linen.	Very desirable.

Fort St. George,
11th October 1883.

(Signed) D. J. S. McLEOD, Major,
for Quartermaster-General.

ENFORCEMENT

Appendix No. 3003 W., dated 24th October 1883.

BUILDINGS AND ROADS.
SCHEDULE of the probable requirements of the Madras Presidency on account of Imperial Works for 1884-85.

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Class.	ORIGINAL WORKS.				Repairs.	Estab. and Plant.	Tools and Plant.	Subsistence.	Grand Total.	Remarks.
						Major Works.		Minor Works.	Total.						
						Works in progress.	New Works.								
	Chingleput.	St. Thomas' Mount.	1	IMPERIAL, ORDINARY. <i>Military.</i> New barracks for Royal Artillery.	A	Rs. 40,000	Rs. 40,000	Rs. 40,000	Rs. 40,000	Rs.	Rs.	Rs.	Rs.	Rs.	Estimate of Rs. 1,27,750 sanctioned in G.O. No. 1894 W., of 25th July 1882. Item No. 2, Class A Works, of Budget of 1883-84. Estimate of Rs. 90,830 sanctioned in G.O. No. 1840 W., of 18th July 1882. Item No. 3, Class A Works, of Budget of 1883-84. Estimate of Rs. 12,500 sanctioned in G.O. No. 1102 W., of 7th May 1880. Item No. 1, Class B Works, of Budget of 1883-84. Estimate availed. Item No. 17, Appendix B, Budget of 1883-84. Estimate availed.
	Coimbatore.	Malapuram.	2	Barracks for detachment British Infantry to accommodate 100 men.	A	40,000	..	40,000	40,000	..	..	..	..	..	
	Presidency.	Bangalore.	3	Alterations and additions to wash-houses for the British Infantry.	A	4,500	..	4,500	4,500	..	..	..	..	..	
	Do.	Fort Saint George.	4	A covered gymnasium to be erected in the Ball Alley of the European regiment.	A	..	9,800	9,800	9,800	..	..	..	..	..	
	Do.	Do.	5	An armourer's shop on the standard plan, for the European Infantry regiment.	B	..	5,000	5,000	5,000	..	..	..	..	..	
	Chingleput.	St. Thomas' Mount.	6	Constructing six blocks of stables for two field batteries of Royal Artillery.	A	..	20,160	20,160	20,160	..	..	..	..	..	Estimate of Rs. 20,160 sanctioned in G.O. No. 2747 W., of 1st October 1882. Estimate availed. Item No. 1, Appendix B, Budget of 1883-84.
	Do.	Do.	7	Plunge-bath for Royal Artillery.	B	..	12,600	12,600	12,600	..	..	..	..	..	

(1) Accommodation for troops—Buildings for European troops in the plains—Permanent.

(1) Accommodation for troops—Buildings for European troops in the plains—Permanent.

Schedule of the probable requirements of the Madras Presidency on account of Imperial Works for 1884-85—cont.

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Class.	ORIGINAL WORKS.				Repairs.	Establishment.	Tools and Plant.	Suspense.	Grand Total.	Remarks.	
						Major Works.			Minor Works.							Total.
						Works in progress.	New Works.	Total.								
Accommodation for troops—Buildings for European troops in the plains—Permanent.	Presidency.	Bangalore.	8	IMPERIAL, ORDINARY— <i>cont.</i> <i>Military—cont.</i> Garrison Gymnasium of the 4th class.	B	..	44,600	44,600	..	Rs.	Rs.	Rs.	Rs.	..	Estimate of Rs. 44,600 sanctioned in G.O., No. 1560, of 21st June 1876. Item No. 12, Appendix B, Budget of 1883-84.	
	Do. ..	Do. ..	9	Quarters for senior apothecary, north station hospital.	B	..	4,830	4,830	..	..	..	..	..	..	Estimate awaited. Item No. 16, Appendix B, Budget of 1883-84.	
	Bellary ..	Bellary ..	10	Three blocks of stables for Royal Artillery at	A	2,000	..	2,000	..	..	..	..	..	..	Estimate of Rs. 10,000 sanctioned in G.O., No. 2099 W. of 1st August 1883. Item No. 10, Appendix B, Budget of 1883-84.	
	Do. ..	Do. ..	11	Infectious disease ward of station hospital.	B	..	8,000	8,000	..	..	..	..	..	..	Estimate awaited. Item No. 8, Appendix B, Budget of 1883-84.	
	Do. ..	Do. ..	12	Pipes and cisterns to supply water from the artesian well to British troops.	B	..	3,000	3,000	..	..	..	..	..	..	Estimate awaited.	
Accommodation for troops—Buildings for European troops in the plains—Permanent.	Do. ..	Do. ..	13	Completion of system of drainage of wash-houses.	B	..	3,000	3,000	..	..	..	..	..	..	Estimate of Rs. 4,690 sanctioned in G.O., No. 418, of 10th February 1876. Item No. 5, Appendix B, Budget of 1883-84.	
	Coimbatore.	Cannanore.	14	Plunge-bath for British Infantry.	B	..	4,000	4,000	..	..	..	..	..	..	Estimate awaited.	
	Do. ..	Malapuram.	15	Canteen for detachment British Infantry.	B	..	5,000	5,000	..	..	..	..	..	..	Estimate of Rs. 4,690 sanctioned in G.O., No. 418, of 10th February 1876. Item No. 5, Appendix B, Budget of 1883-84.	
	Do. ..	Do. ..	16	Extending the 6-inches water main-pipe from the barrack square to the married quarters at	A	2,400	..	2,400	..	..	..	..	..	..	Estimate awaited. Item No. 3, Appendix B, Budget of 1883-84.	
	Nilgiri ..	Wellingdon.	16	Extending the 6-inches water main-pipe from the barrack square to the married quarters at	A	2,400	..	2,400	..	..	..	..	..	..	Estimate of Rs. 2,430 sanctioned in G.O., No. 198 W. of 18th January 1882. Item No. 26, Appendix B, Budget of 1883-84.	
Do. do. in the hills—Permanent.	Do. ..	Do. ..	17	Gymnasium at	B	..	15,000	15,000	..	..	..	..	..	..	Estimate awaited.	

Presidency.	Madras ..	18	New regimental school at the Fort St. James lines.	B	..	2,500	2,500	2,500	..	..	..	..	..	..	Do.
Do. ..	Do. ..	19	Two latrines for the regimental lines at Mayapuram.	B	..	3,000	3,000	3,000	..	..	..	..	..	..	Estimate awaited. Item No. 29, Appendix B, Budget of 1883-84.
Chingleput.	Falkavaram.	20	One mortuary room for each of the three hospitals, Nos. 1 to 3.	B	..	3,000	3,000	3,000	..	..	..	..	..	..	Estimate awaited.
Do. ..	Do. ..	21	Regimental magazine on the standard plan.	B	..	4,500	4,500	4,500	..	..	..	..	..	..	Do.
North Arcot.	Vellore ..	22	School-house for a Native Infantry regiment.	B	..	5,000	5,000	5,000	..	..	..	..	..	..	Estimate awaited. Item No. 34, Appendix B, Budget of 1883-84.
Presidency.	Bangalore.	23	Accommodation for regiment of Native Cavalry.	A	..	29,600	29,600	29,600	..	..	..	..	..	..	Do.
Do. ..	Do. ..	24	Place of arms and armourers' shop.	A	..	14,610	14,610	14,610	..	..	..	..	..	..	Estimate awaited.
Do. ..	Do. ..	25	Infirmary .. 7,165 Magazine .. 5,800 Guard-room .. 3,750 School .. 1,715 Water-trough .. 510 Water-well .. 2,320 Drains, roads, &c. 5,800	A	3,900	..	3,900	3,900	..	..	..	..	..	..	Estimate awaited. Item No. 25, Appendix B, Budget of 1883-84.
Trichinopoly.	Trichinopoly.	26	Accommodation for one regiment of Native Infantry.	A	..	17,200	17,200	17,200	..	..	..	..	..	..	Estimate awaited. Item No. 28, Appendix B, Budget of 1883-84.
Do. ..	Do. ..	27	Place of arms and guard-room .. 8,450 Cells .. 920 Store-room .. 2,200 School-room .. 2,600 Magazine .. 650 Armourers' shop .. 2,330	A	..	17,200	17,200	17,200	..	..	..	..	..	..	Estimate awaited.
Do. ..	Do. ..	28	Accommodation for a third regiment of Native Infantry as above.	B	..	5,200	5,200	5,200	..	..	..	..	..	..	Estimate awaited. Item No. 35, Appendix B, Budget of 1883-84.
Bellary ..	Bellary ..	29	Armourers' shop for a regiment of Native Cavalry.	B	..	2,605	2,605	2,605	..	..	..	..	..	..	Estimate awaited.

Accommodation for troops—Buildings for native troops.

ORIGINAL WORKS.																	
Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Class.	Major Works.				Minor Works.	Total.	Repairs.	Estab-lishment.	Tools and Plant.	Sus-pense.	Grand Total.	Remarks.
						Works in pro-gress.	New Works.	Total.									
									Rs.								
Accommodation for troops—Buildings for native troops—	Coimbatore.	Quilon ..	30	Imperial, Ordinary cont. Magazine for Native In-fantry barracks.	B.	..	3,560	3,560	..	..	..	..	..	..	..	..	Estimate awaited.
	Do. ..	Do. ..	31	Store-room for do. ..	B.	..	5,000	5,000	..	..	..	..	..	..	..	..	Do.
	North Arcot	Vellore ..	32	Armourers' shop for a regiment of Native Infantry.	A.	1,980	..	1,980	..	..	..	..	..	..	..	..	Estimate for Rs. 2,800 sanctioned in G.O., No. 1547 W., of 20th June 1881.
	Vizagapatam	Vishanag-ram.	33	Regimental store-room, to be included as stor-age for Camp Equipage.	B.	..	5,000	5,000	..	..	..	..	..	..	..	..	Estimate awaited.
Ordnance Works.	Presidency.	Fort St. George.	34	Mounting ordnance ..	A.	32,000	..	32,000	..	..	..	..	..	..	..	..	Estimate of Rs. 42,035 sanctioned in G.O., No. 2970 W., of 19th October 1883. Item No. 2, Class B Works, Budget of 1883-84.
	Do. ..	Madras ..	35	Completing the emplace-ments and improving the store-rooms, &c., of the coast batteries.	A.	22,300	..	22,300	..	..	..	..	..	..	..	..	Estimate of Rs. 42,820 sanctioned in G.O., No. 1661 W., of 13th June 1883. Item No. 34, Appendix B, Bud-get of 1883-84.
	Do. ..	Do. ..	36	Improvements to the gunpowder factory. Further estimates re-quired— Glazing and dusting house, one group. Incorporating mills, one group. Drying-house. Pebble cutting house. Granulating house to be converted into a pebble cutting ma-chine house.	A.	20,000	..	20,000	..	..	..	..	..	..	..	..	The last sanction brought up the total sanctions to Rs. 2,26,655. G.O., No. 2748 W., of 1st October 1883. Item No. 4, Class A Works, Budget of 1883-84. Further estimates are awaited.

Commissionariat Buildings.	Do. ..	Do. ..	37	New additional com- pound wall. Two bridges.	B	..	4,000	4,000	..	..	..	..	..	..	..	Estimate awaited.
	Presidency	Quindy ..	38	Improvements to the wheel shop of the gun carriage factory. Converting the late Super- intending Engineer's office at Quindy into a Commissionariat slaughter- house.	B	..	11,800	11,800	..	..	..	..	..	..	..	Estimate for Rs. 11,800 sanctioned in G.O., No. 1399 W., of 12th May 1883. Item No. 43, Appendix B, Bud- get of 1883-84.
	Do. ..	Madras ..	39	Quarters for station butcher.	B	..	4,740	4,740	..	..	..	..	..	..	..	Estimate awaited. Item No. 44, Appendix B, Budget of 1883-84.
	Do. ..	Do. ..	40	Sheds for public cattle and lines for their at- tendants.	B	..	20,000	20,000	..	..	..	..	..	..	..	Estimate awaited.
Fortifications.	Do. ..	Do. ..	41	Quarters for three war- rent and five non-com- missioned officers of the Commissionariat depart- ment.	A	..	26,740	26,740	..	..	..	..	..	..	..	Estimate of Rs. 26,740 sanctioned in G.O., No. 1896 W., of 2nd July 1883. Item No. 46, Appendix B, Bud- get of 1883-84.
	Nilgiri Coimbatore	Wellington. Cannanore.	42	Bakery at ..	A	..	10,000	10,000	..	..	..	..	..	..	..	Under consideration.
	Do. ..	Do. ..	43	Converting the old artil- lery stables at Cannan- nore into a bakery and sinking a well.	A	2,600	..	2,600	..	..	..	..	..	..	..	Estimate of Rs. 7,660 sanctioned in G.O., No. 2213 W., of 10th August 1883. Item No. 41, Appendix B, Budget of 1883-84.
	Do. ..	Malapuram. Bangalore.	44	Quarters for Commis- sariat staff sergeants.	B	..	4,000	4,000	..	..	..	..	..	..	..	Estimate awaited.
Fortifications.	Do. ..	Do. ..	45	Entranchment as place of refuge including ordi- nance depot.	A	..	32,780	32,780	..	..	..	..	..	..	..	Estimates aggregating Rs. 34,280 sanctioned in G.O., No. 3060 W., of 30th October 1883.
	Do. ..	Do. ..	46	Fortifications ..	..	..	16,000	16,000	..	..	..	..	..	..	..	
	Do. ..	Do. ..	47	Ordnance build- ings ..	..	..	14,800	14,800	..	..	..	..	..	..	..	
Total ..						1,73,890	3,07,805	5,46,695	54,600	8,01,595	8,50,009	2,18,791	14,269	..	11,84,325	

24TH OCTOBER 1883, No. 3003 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following papers :—

From Brigadier-General R. C. STEWART, Quartermaster-General, to the Secretary to Government, Public Works Department, dated Fort St. George, 11th October 1883, No. 7094.

I have the honor, by order, to forward herewith the schedules of Military Works, major and minor, required to be provided for in the budget list of 1884-85.

2. Sir Frederick Roberts is about to address Government in the Military Department on the subject of the several large works of importance which are, in his opinion, of special urgency, and for execution of which he hopes funds may be made available next year; but meanwhile your attention is invited to them by their entry in red ink in the schedule.

From the same Officer, dated Fort St. George, 13th October 1883, No. 7151.

In continuation of this office letter, No. 7094, dated 11th instant, I have the honor, by order, to forward a supplementary schedule of Military Major Works, providing for the construction of new barracks for the Royal Artillery at St. Thomas' Mount.

Office note from the Examiner, Public Works Accounts, dated 13th October 1883, No. 734.

ORDER—dated 24th October 1883, No. 3002 W., Public Works.

Ordered that the schedules of military requirements on account of the Public Works Department, in the Madras Presidency, be forwarded to the Government of India, in the Military Department, in compliance with their No. 922 M.W. of the 21st September 1883.

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

24TH OCTOBER 1883, No. 3003 W., PUBLIC WORKS.

3. The Superintending Engineers concerned will take immediate steps for the preparation and submission, for sanction, of estimates for all unsanctioned works included in the schedule.

(Here enter No. 3003 W., dated 24th October 1883.)

(True Extract.)

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

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

ENDORSEMENT—dated 24th October 1883, No. 3003 W., Public Works.

Forwarded.

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

Exd. A. Aubert.
Spare Copies

GENERAL
ACCOUNT.

Govt. of 1883 Madras.

PUBLIC WORKS.

Dated October, 24th.

Recd.

Encl.

G.O., 24th Oct. 1883, No. 3003 W.

OCTOBER.

Schedule of Military require-
ments

FORWARDING the — on account of Public
Works in the Madras Presidency for
1884-85.

C. No. 10850.

P. W. Secretariat.

Note by Budget Section.

Work

*Additions and alterations
to the Station Butcher's Quarters
at Bangalore.*

Remarks and References.

Fund *Imperial*

Service Head *Military* Rs.

Departmental Head *Original Works*

Amount of estimate Rs 525

Expenditure in previous year "

Allotment in current year "

Balance required to complete 525

Total Rs.

Note of available funds.

*There are no funds at present with
Government that can be allotted for this work.
Application may be made to the Military Au-
thorities, if the work is urgent.*

Imag
7/12
Budget Secy.

Note by Budget Section.

4 -

Public Works Department, 1883-84.

Current No. 10598
Letter No. 3077
Dated the 28th Nov 83
From the Subg. Engr. 5th Circle

NOTE OF REMARKS.

1. The accompanying estimate provides for effecting additions and alterations to the Station Butcher's Quarters at Bangalore. The estimated cost is Rs. 525.
2. The Quarters were originally intended for a native but are now to be occupied by a European butcher which necessitates the addition of a back verandah to the building with a bath room at each end, and a cook house.
3. The estimate has been countersigned by the Offg. Dy. Qu. Mbr. General.

29th Nov 83
MSA

SUPERINTENDING ENGINEER'S OFFICE,

5TH CIRCLE, MADRAS,

Chennai, 28th November 1883.

No. 3077

From

THE SUPERINTENDING ENGINEER,

5TH CIRCLE,

To

THE

Chief Engineer
Public Works Department.
Madras.

Enclosures.

1 Estimate.

I have the honor to submit for
Sanction an Estimate of Rs 525--
for additions and alterations to the
Station Butcher's Quarters at Bangalore.

The work is included in the List
of Military works estimated to cost
Rs 25000 under for 1884-85, Pagoda, Cir-
culated with G. O. No. 3002 dt. dated 24th
October 1883.

There are no funds available at
present.

I have the honor to be,
Sir,

Your most Obedt
servant

Wm. Pendergast

2913 Imp 23
246-247

No 6150

milg. 1883

From

To 699

THE SUPERINTENDING ENGINEER,

5th Circle,

From

The P.W. D. 2387-C

To

The Chief Engineer P.W.D.

No 2387C

Submitted

for the approval
of Government in the
Military Department.

A. N. 3003 8/11/83

(By order)

Dated 28

Reed. 6

November 1883

ENCLOSURES 1

C. Thumma Major R.E.

By Ch. Engr. P.W.D.

No. 6538

Referred

to the Commis.

sary General

for counter-signa-

ture of the estimate

if approved.

No 3077

Station Butcher's quarters
at Bangalore - Submitting
for sanction an estimate
for additions & alterations
to the

No 2002

From

The Comy. Genl. 5382

8/4-1883

8/5-

Endorsed

Estimate counter signed

Secretary to Govt.

Madras 3/12/1883

Estimate counter signed

of returned.

No 5382

Madras 3/12/1883

Madras 3/12/1883

Madras 3/12/1883

Madras 3/12/1883

No 3537 W

PUBLIC WORKS DEPARTMENT.

15

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 10th

Read the following

From the P. Engr. 5th Circle A. N. 3077 of 28th Nov
Endorsement thereon by the
Military Dept. } A. N. 6591 of 5th Dec

The estimate amounting to Rs. 525 for additions and alterations to the Station Butcher's quarters at Bangalore is sanctioned for execution when funds are available.

2 This sanction has been registered as Special Ordinary No 49 W of 1883. 84, and classified as Milit

Original Works.

16

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8/12

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8-12-83.

854

10/12

19/12

To

The S. Eng. Fifth Circle
with One Circle:

" For P. W. Accounts

" Minton Debt
out

1850

Govt. of Madras.

PUBLIC WORKS.

Dated

Recd.

Encl.

G. O. 10 Dec. 1883, No. 3537. H

Butcher's quarters

=

An estimate for additional
alterations to the
Station — at Bangalore,
sanctioned

58

5