Archives I 10,006—16-8 77.

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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

P. W DEPARTMENT

G.O. No. / B.P. No.	2978	Press. / Mis.
Dated	11-11-1882	197 .

07

Not to be folded or roughly handled

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

READ—the following letter from Major D. J. S. McLEOD, Officiating Deputy Quarter-master-General, to the Chief Engineer, Public Works Department, dated Fort St. George, 3rd November 1882, No. 8830 :—

Two years have now elapsed since the armament of Fort St. George was defined, but as yet not one of the $\frac{80}{68}$ pounder M.L.R. guns, forming part of it, have been placed in position.

Proceedings of Government, No. 6854 of 1880.

2. It having been understood that the delay was due to the time required for the completion of the elaborate plan and estimates in connection with the proper mounting of the entire armament and provision of expense store-rooms, &c., required for the same, the Officer Commanding Eastern District was informed that as His Excellency the Commander-in-Chief was particularly anxious that the $\frac{80}{68}$ pounders M.L.R. guns should be placed in position as soon as possible, he saw no reason why the plans and estimates for the emplacement alone of these guns should not be submitted first and then work of their provision be proceeded with at once, leaving the plans and estimates for all other works connected with the armament to be submitted hereafter as completed.

3. A copy of the reply of the Executive Engineer on this point is enclosed; this gives no satisfactory prospect of the wishes of His Excellency the Commander-in-Chief being carried into effect, and I am therefore desired to bring the matter to your notice in view to the necessary measures being taken to prevent any further delay that can be avoided in the mounting of these guns in their proper positions, which Sir F. Roberts considers to be the work of primary importance in connection with the completion of the armament of the Fort.

ENCLOSURE.

From Lieutenant-Colonel W. H. BURTON, R.E., Executive Engineer, Presidency, to the Deputy Assistant Adjutant-General, Eastern District, dated Chepauk, 11th October 1882, N. 2961.

In reply to your No. 2193, dated 10th October 1882, I have the honor to state that the plans and estimates for all the work required for the new armament of Fort St. George are being prepared as quickly as the preparation of plans for the completion of the three Coast Batteries and the strength of my office establishment will permit. Estimates for the Fort work, in the meantime, have been necessarily retarded in order that I may complete the plans for these batteries, estimates for which have already gone in. These plans will, it is expected, be submitted by the end of this month, when the plans and estimates for the Fort armament will be resumed.

2. With reference to this delay however, I should explain that the present non-submission of the plans and estimates is not likely in any way to delay the work, as in no case could it be commenced before an allotment of funds is made for it; this allotment may not be expected, in the usual course of things, before the 1st April next, long before which date I fully expect to obtain sanction to the plans and estimates.

3. The present work in progress at the redan is merely an annual repair to the fortification, still these repairs are being made in view of His Excellency the Commander-in-Chief having approved of an 80-pounder gun being mounted at the redan, and although they cannot of course include the entire construction of a new emplacement, yet when done they will not leave very much more work to be done, besides laying the granite racer curbs, setting the pivot, &c.

4. The necessity of submission of the Fort plans and estimates before the 1st April next will not be lost sight of.

No. 78.

ORDER—dated 11th November 1882, No. 2978 W., Public Works.

Communicated to the Superintending Engineer, Fifth Circle, who will see that the wishes of His Excellency the Commander-in-Chief are at once complied with.

2. To admit of provision being made in the Military Budget for 1883-84 for placing the $\frac{80}{68}$ pounder guns in position, no time should be lost in submitting plans and estimates for the work.

(True Extract.)

Lieut.-Col., R.E.,
Ag. Under Secy. to Govt., P.W.D.

To the Superintending Engineer, Fifth Circle.
" Military Department.

Exd. S. T. Austin.
Spare Copies

2

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of [1882] Madras.

PUBLIC WORKS.

Dated November, 11th.

Read. *Encl.*

G.O., 11th Nov. 1882, No. 2978W.

NOVEMBER.

Nos. 77-78.

Fort St. George $\frac{80}{68}$ Pounder Guns.

Plans and estimates for placing the — in position called for, and the Superintending Engineer directed to see that the wishes of His Excellency the Commander-in-Chief are complied with at once.

Schedule of the probable requirement

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.
				IMPERIAL ORDINARY—*cont.*
				MILITARY—*cont.*
(1) Accommodation for Troops.	Presidency ..	Bangalore ..	19	Quarters for Schoolmaster and Schoolmistress of the British Infantry.
Buildings for European Troops in the plains. Permanent—*cont.*	Do. ..	Do. ..	20	Constructing stables for three Batteries Royal Horse Artillery and Field Batteries.
	Do. ..	Do. ..	21	Converting some of the married quarters at Bangalore for three Staff Serjeants' quarters in lieu of those sanctioned in G.O., No. 3066 W. of 2nd December 1879.
	Do. ..	Fort St. George.	22	A covered Gymnasium to be erected in the Ball Alley of the European Regiment.
	Do. ..	Bangalore ..	23	Quarters for the Apothecary, North Station Hospital, including stables, godown, latrine, cook-house, &c.
	Do. ..	Do. ..	24	Quarters for an Assistant Apothecary, North Station Hospital, including cook-house, latrine, and godown.
Buildings for European Troops in the Hills. Permanent.	Nilgiri ..	Wellington ..	25	Supplying cooking stoves to each married quarters.
	Do. ..	Do. ..	26	Drainage pipes for the remaining block, the same as No. 5 block.
	Do. ..	Do. ..	27	New flooring to latrines of barracks and family quarters.
	Do. ..	Do. ..	28	Bath-room to wash-houses ..
	Do. ..	Do. ..	29	New wash-houses fitted with boilers, drying and ironing rooms for the married quarters.
	Do. ..	Do. ..	30	Constructing a female hospital at the Wellington Depôt.
	Do. ..	Ootacamund ..	31	Boys' Hospital at the Lawrence Asylum ..
Buildings for Native Troops.	Presidency ..	Bangalore ..	32	Constructing two latrines for the Queen's Own Sappers and Miners.
	Do. ..	Do. ..	33	Addition to Regimental School, Sappers and Miners.
	Bellary ..	Bellary ..	34	Armourer's shop for the Native Cavalry ..
	Nilgiri ..	Ootacamund ..	35	Housing for half a Company of Queen's Own Sappers and Miners.
	Chingleput ..	Pallávaram ..	36	One mortuary room for each of the four hospitals, Nos. 1 to 4.
	Do. ..	Do. ..	37	New lines required for one Native Infantry Regiment.
	Ganjam ..	Berhampore ..	38	Armourer's shop .. ..
	Trichinopoly ..	Trichinopoly ..	39	Family quarters enlarged for the 30th Regiment, Native Infantry.
	Do. ..	Do. ..	40	Four Latrines for the 30th Regiment Native Infantry.
(2) Ordnance Works	Presidency ..	Madras ..	41	Improvements to the barrel machine shop at the Gun Carriage Factory.
	Do. ..	Fort St. George.	42	Renewing a portion of the terrace roof of the Armoury of the Grand Arsenal.

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of 1882 Madras.

PUBLIC WORKS.

Dated November, 11th.

Read. *Encl.*

G.O., 11th Nov. 1882, No. 2978W.

NOVEMBER.

Nos. 77-78.

Fort St. George $\frac{80}{68}$ Pounder Guns.

Plans and estimates for placing the — in position called for, and the Superintending Engineer directed to see that the wishes of His Excellency the Commander-in-Chief are complied with at once.

Schedule of the probable requirement

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.
				IMPERIAL ORDINARY—*cont.*
				MILITARY—*cont.*
(1) Accommodation for Troops.	Presidency ..	Bangalore ..	19	Quarters for Schoolmaster and Schoolmistress of the British Infantry.
Buildings for European Troops in the plains. Permanent—*cont.*	Do. ..	Do. ..	20	Constructing stables for three Batteries Royal Horse Artillery and Field Batteries.
	Do. ..	Do. ..	21	Converting some of the married quarters at Bangalore for three Staff Sergeants' quarters in lieu of those sanctioned in G.O., No. 3066 W. of 2nd December 1879.
	Do. ..	Fort St. George.	22	A covered Gymnasium to be erected in the Ball Alley of the European Regiment.
	Do. ..	Bangalore ..	23	Quarters for the Apothecary, North Station Hospital, including stables, godown, latrine, cook-house, &c.
	Do. ..	Do. ..	24	Quarters for an Assistant Apothecary, North Station Hospital, including cook-house, latrine, and godown.
Buildings for European Troops in the Hills. Permanent.	Nilgiri ..	Wellington ..	25	Supplying cooking stoves to each married quarters.
	Do. ..	Do. ..	26	Drainage pipes for the remaining block, the same as No. 5 block.
	Do. ..	Do. ..	27	New flooring to latrines of barracks and family quarters.
	Do. ..	Do. ..	28	Bath-room to wash-houses ..
	Do. ..	Do. ..	29	New wash-houses fitted with boilers, drying and ironing rooms for the married quarters.
	Do. ..	Do. ..	30	Constructing a female hospital at the Wellington Depôt.
	Do. ..	Ootacamund ..	31	Boys' Hospital at the Lawrence Asylum ..
Buildings for Native Troops.	Presidency ..	Bangalore ..	32	Constructing two latrines for the Queen's Own Sappers and Miners.
	Do. ..	Do. ..	33	Addition to Regimental School, Sappers and Miners.
	Bellary ..	Bellary ..	34	Armourer's shop for the Native Cavalry ..
	Nilgiri ..	Ootacamund ..	35	Housing for half a Company of Queen's Own Sappers and Miners.
	Chingleput ..	Pallávaram ..	36	One mortuary room for each of the four hospitals, Nos. 1 to 4.
	Do. ..	Do. ..	37	New lines required for one Native Infantry Regiment.
	Ganjam ..	Berhampore ..	38	Armourer's shop .. .. ..
	Trichinopoly ..	Trichinopoly ..	39	Family quarters enlarged for the 30th Regiment, Native Infantry.
	Do. ..	Do. ..	40	Four Latrines for the 30th Regiment Native Infantry.
(2) Ordnance Works	Presidency ..	Madras ..	41	Improvements to the barrel machine shop at the Gun Carriage Factory.
	Do. ..	Fort St. George.	42	Renewing a portion of the terrace roof of the Armoury of the Grand Arsenal.

Madras Presidency on account of Imperial Works for 1883-84—*cont.*

Class.	Original Works.					Repairs.	Establishment.	Tools and Plant.	Suspense	Grand Total.	Remarks.
	Major Works.			Minor Works.	Total						
	Works in Progress.	New Works.	Total.								
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
B.	..	6,120	6,120	..	6,120	..	..	..	..	..	Estimate of Rs. 6,120, sanctioned in G.O., No. 3066 W. of 2nd December 1879. Item No. 10, Class C. Works of Budget of 1882-83.
A.	..	1,00,000	1,00,000	..	1,00,000	..	..	..	..	..	Estimate of Rs. 4,600, sanctioned in G.O., No. 1484 W. of 24th June 1882. Estimates for other works awaited. Item No. 11, Class C. Works of Budget of 1882-83.
A.	..	2,930	2,930	..	2,930	..	..	..	..	..	Estimate of Rs. 2,930, sanctioned in G.O., No. 3066 W. of 2nd December 1879.
A.	..	17,100	17,100	..	17,100	..	..	..	..	..	Estimate awaited.
A.	..	4,830	4,830	..	4,830	..	..	..	..	..	Do. do.
A.	..	3,300	3,300	..	3,300	..	..	..	..	..	Do. do.
A.	..	6,000	6,000	..	6,000	..	..	..	..	..	Estimated awaited. Item No. 9, Class A. Works of Budget of 1882-83.
A.	..	4,800	4,800	..	4,800	..	..	..	..	..	Estimate awaited.
A.	..	3,000	3,000	..	3,000	..	..	..	..	..	Do. do.
A.	..	3,120	3,120	..	3,120	..	..	..	..	..	Estimate of Rs. 3,120, sanctioned in G.O., No. 1472 W. of 4th June 1874. Item No. 14, Class C. Works of Budget of 1882-83.
A.	..	3,120	3,120	..	3,120	..	..	..	..	..	Estimate awaited. Item No. 10, Class A. Works of Budget of 1882-83.
B.	..	15,000	15,000	..	15,000	..	..	..	..	..	Estimated awaited. Item No. 15, Class C. Works of Budget of 1882-83.
A.	..	10,000	10,000	..	10,000	..	..	..	..	..	Estimate awaited. *Vide* letter to the Government of India, No. 1956 W. of 2nd August 1882.
A.	..	3,380	3,380	..	3,380	..	..	..	..	..	Estimate under consideration.
A.	..	3,500	3,500	..	3,500	..	..	..	..	..	Estimate of Rs. 3,500, sanctioned in G.O., No. 2155 W. of 31st August 1881. Item No. 16, Class C. Works of Budget of 1882-83.
B.	..	2,695	2,695	..	2,695	..	..	..	..	..	Estimate of Rs. 2,695, sanctioned in G.O., No. 2256 W. of 14th September 1881. Item No. 17, Class C. Works of Budget of 1882-83.
A.	..	12,000	12,000	..	12,000	..	..	..	..	..	Estimate awaited. *Vide* letter to Government of India No. 1956 W. of 2nd August 1882.
B.	..	3,200	3,200	..	3,200	..	..	..	..	..	Estimate awaited.
A.	..	30,000	30,000	..	30,000	..	..	..	..	..	Do. do.
B.	..	3,000	3,000	..	3,000	..	..	..	..	..	Do. do.
B.	..	3,100	3,100	..	3,100	..	..	..	..	..	Do. do.
B.	..	4,800	4,800	..	4,800	..	..	..	..	..	Do. do.
A.	..	4,030	4,030	..	4,030	..	..	..	..	..	Estimate of Rs. 4,030, sanctioned in G.O., No. 2413 W. of 16th September 1882.
A.	..	4,940	4,940	..	4,940	..	..	..	..	..	Estimate of Rs. 4,940 sanctioned in G.O., No. 2222 W. of 30th August 1882.

Head of Class
cation.

(2) Ordnance W
—*cont.*

(3) Commissar
Buildings.

(5) Sind

Madras Presidency on account of Imperial Works for 1883-84—*cont.*

Class.	Original Works.					Repairs.	Establishment.	Tools and Plant.	Suspense	Grand Total.	Remarks.
	Major Works.			Minor Works.	Total						
	Works in Progress.	New Works.	Total.								
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
B.	..	6,120	6,120	..	6,120	..	..	..	..	..	Estimate of Rs. 6,120, sanctioned in G.O., No. 3066 W. of 2nd December 1879. Item No. 10, Class C. Works of Budget of 1882-83.
A.	..	1,00,000	1,00,000	..	1,00,000	..	..	..	..	..	Estimate of Rs. 4,500, sanctioned in G.O., No. 1484 W. of 24th June 1882. Estimates for other works awaited. Item No. 11, Class C. Works of Budget of 1882-83.
A.	..	2,930	2,930	..	2,930	..	..	..	..	..	Estimate of Rs. 2,930, sanctioned in G.O., No. 3066 W. of 2nd December 1879.
A.	..	17,100	17,100	..	17,100	..	..	..	..	..	Estimate awaited.
A.	..	4,830	4,830	..	4,830	..	..	..	..	..	Do. do.
A.	..	3,300	3,300	..	3,300	..	..	..	..	..	Do. do.
A.	..	6,000	6,000	..	6,000	..	..	..	..	..	Estimated awaited. Item No. 9, Class A. Works of Budget of 1882-83.
A.	..	4,800	4,800	..	4,800	..	..	..	..	..	Estimate awaited.
A.	..	3,000	3,000	..	3,000	..	..	..	..	..	Do. do.
A.	..	3,120	3,120	..	3,120	..	..	..	..	..	Estimate of Rs. 3,120, sanctioned in G.O., No. 1472 W. of 4th June 1874. Item No. 14, Class C. Works of Budget of 1882-83.
B.	..	15,000	15,000	..	15,000	..	..	..	..	..	Estimate awaited. Item No. 10, Class A. Works of Budget of 1882-83.
A.	..	10,000	10,000	..	10,000	..	..	..	..	..	Estimated awaited. Item No. 15, Class C. Works of Budget of 1882-83.
A.	..	3,380	3,380	..	3,380	..	..	..	..	..	Estimate awaited. *Vide* letter to the Government of India, No. 1956 W. of 2nd August 1882.
A.	..	3,500	3,500	..	3,500	..	..	..	..	..	Estimate under consideration.
B.	..	2,695	2,695	..	2,695	..	..	..	..	..	Estimate of Rs. 3,500, sanctioned in G.O., No. 2155 W. of 31st August 1881. Item No. 16, Class C. Works of Budget of 1882-83.
A.	..	12,000	12,000	..	12,000	..	..	..	..	..	Estimate of Rs. 2,695, sanctioned in G.O., No. 2256 W. of 14th September 1881. Item No. 17, Class C. Works of Budget of 1882-83.
B.	..	3,200	3,200	..	3,200	..	..	..	..	..	Estimate awaited. *Vide* letter to Government of India No. 1956 W. of 2nd August 1882.
A.	..	30,000	30,000	..	30,000	..	..	..	..	..	Estimate awaited.
B.	..	3,000	3,000	..	3,000	..	..	..	..	..	Do. do.
B.	..	3,100	3,100	..	3,100	..	..	..	..	..	Do. do.
B.	..	4,800	4,800	..	4,800	..	..	..	..	..	Do. do.
A.	..	4,030	4,030	..	4,030	..	..	..	..	..	Estimate of Rs. 4,030, sanctioned in G.O., No. 2413 W. of 16th September 1882.
A.	..	4,940	4,940	..	4,940	..	..	..	..	..	Estimate of Rs. 4,940 sanctioned in G.O., No. 2222 W. of 30th August 1882.

Head of Class cation.

(2) Ordnance W —*cont.*

(3) Commissar Buildings.

(5) Stud

Appendix to G.O., No. 2590 W. of 4th October 1882.

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 1883-84.

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 Officers Commanding Divisions or Districts.	Remarks by the Commander-in-Chief.
			Rs.			
		Body Guard.—Dispensary for Veterinary Department.	1,300	.....	Recommended	When funds are available.
		Gun Powder Factory.—Breaking down house.			Recommended as being apparently portion of the scheme for thorough renewal of Gun Powder Factory, *vide* items entered in list of Major Works.	Approved.
		1 Breaking down machine	500	O.G., No. 59 of the 7th January 1874 ..		
		1 House for 6 H.P. engine and boiler.				
	Madras ..	Powder Magazine, one wooden flooring and thorough repair.	1,100	O.G., No. 1501 of the 31st March 1875 ..		
		Commissariat Department.—A detached godown for the storage of wheat with verandahs on both sides in Government Bakery.	800	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 weevils into the main building.	Recommended as being a great necessity.	Approved.
		The levelling of the Bakery compound and a system of drainage to carry off the washings of the Bakery.	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.	Recommended	When funds are available.
		Sinking a well, erecting a moat and trough apparatus, Public Cattle Depôt.	800	Required in the Public Cattle Depôt in consequence of there being no water nearer than a tank 250 yards distance 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.
Eastern District.	St. Thomas' Mount.	Lavatories on the standard plan for the North Barracks.	2,000	Urgently required for these barracks	Recommended. These Barracks have no proper lavatories.	Very necessary.
		Lavatories on the standard plan for South Barracks.	2,000	Do. do.	Do. do.	Do.
		Latrine for Native Infantry Regiment.	2,400	At present none	Recommended, but to be held in abeyance until it is decided as to the garrison of Pallávaram.	A latrine is most necessary when funds are available.
	Pallávaram ..	An Armourer's Workshop required for Native Infantry Regiment.	820	Do.		
	Poonamallee ..	Lightning Conductors on the new Hospital.	1,800	Very urgently required, the building is about the highest point in the station.	Recommended	Very desirable.
		Small dead-house (standard plan) for Hospital 25th Regiment, Madras Native Infantry.	855	This want has long been felt. No arrangements whatever exist at present for separating the dead from the living during the few hours that must necessarily elapse before arrangements can be made for interment. Considered very desirable.	To be held in abeyance until it is known for certain whether Vellore is to be kept up as a Military Station or not.	This seems desirable.
		Alternative.				
	Vellore ..	Do. do. same plan, using cheaper materials, such as jungle-wood instead of teak, brick in mud instead of in chunam, venetianed instead of glazed windows, &c. Basement to be raised 1 foot instead of 2 feet.	540			

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 1883-84—*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 Officers Commanding Divisions or Districts.	Remarks by the Commander-in-Chief.
			Rs.			
Eastern District —*cont.*	Berhampore ..	One wall to the Military Hospital, 7th Regiment, Native Infantry.	1,016	There is no wall or proper 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, proposed in the year 1875. Approved when funds are available.	Approved	Approved.
		Latrine for Guard-room	90	There is no latrine for the use of the men of the Quarter Guard. A latrine is absolutely necessary as the men have to go upwards of a quarter of a mile at present into the fields.	Do.	Do.
		School-house	500	Required a school-house for the use of the Regimental school, the present building (regimental property) having fallen in and being otherwise unsuited for the purpose.	.....	Do.
Western District.	Mangalore ..	Forge trough and cupola to Armourer's Workshop also a screen as per clause E, paragraph 13 of G.O.C.C., No. 12 of 26th February 1874.	500	Estimate sanctioned. *Vide* Proceedings of Madras Government, dated 4th December 1875, but the work has not been taken in hand pending orders from Government in the Public Works Department.	Required for the purposes of the Armourer's shop.	When funds are available.
		A tiled shed required for the men to sit under at the cook-room which has been converted into a coffee-room.	360	There is at present no such convenience for the men and something of the kind is much needed.	Recommended as a temporary arrangement until the permanent buildings are erected.	Approved.
	Malapuram ..	The present hospital latrine being too far off a new one to be built close to the hospital.	94	The present is far away for such patients as are very sick.	Recommended unless new barracks and hospital are to be built.	Do.
	Calicut ..	Introducing dry-earth system ..	758	An important work	Not urgently required ..	Most important.
		Improved ventilation in Lunatic Prisoners and Ophthalmic wards for the Station Hospital.	350	Very desirable	Not required at present ..	When funds are available.
		Urinals of corrugated iron for the Sergeants' Mess.	250	Much required as there is no place at present near the mess to which the Non-Commissioned Officers can resort, specially required in the wet weather.	Recommended	Approved.
		Do. Canteen	250	Required on sanitary grounds	Do.	Do.
	Cannanore ..	Three latrines for the use of the men and families of the Native Regiment.	240	These latrines are absolutely necessary and a sum of Rs. 240 has been allotted for the work which will be undertaken by the Public Works Department.	Do.	Do.
		A shed for Military cows for the Station Hospital.	20	Much required especially during the monsoon, it being considered necessary that the milk should be drawn in the presence of a hospital orderly to prevent the possibility of adulteration.	Recommended the rooms of the vacant married quarters be altered to that requirement.	I concur.
		European Infantry.—Band Master Sergeant's quarters.	2,350	G.O., No. 3066, 2nd December 1879. ,, ,, 6867, 6th ,, ,, Required to complete accommodation, but not urgently wanted.		
		Agram Barrack Hospital.—Stables for the Medical Subordinates attached to Royal Artillery and Cavalry.	1,900	These are much wanted. The subordinates now have temporary erections which are objectionable.	..	When funds are available.
		Field Batteries, Royal Artillery.—Cook-house Sergeant's Mess and quarters.	1,970	Desirable	Desirable	Do.
		Royal Artillery.—Bullock sheds for three Batteries.	1,160	Estimate approved by Commander-in-Chief, 4th May 1882. Desirable.	Do.	Do.
		Royal Artillery—Agram Barracks. Ration shed.	Estimate 1,750	O.G., No. 1232, 14th May 1872. Desirable. No place or shed for issuing rations.	..	Do.
		European Infantry.—Roofing the corrugated iron urinals, Parade Barracks.	Do. 1,320	O.G., No. 3665, 21st July 1876 ,, ,, 4333, 30th August ,, ,, ,, 2611, 28th September ,, ,, ,, 2732, 11th October ,, } Desirable ..	Necessary	Do.
		Commissariat.—One coal shed 40 × 20.	App. Estc. 2,100	Desirable. Required for fuel of Bakery engine ..	Recommended	Do.
		A high wall round the compound grain godown.	Do. 2,500	Do. There is only a low wall which can be scaled at any point.	Do.	Do.
		Servants' rooms to Staff Sergeant's quarters.	1,000	Desirable. These are much wanted	Do.	Approved.
		Shed for boiling gram for mules ..	App. Estc. 700	O.G., No. 1747, 12th May 1867. Desirable. Reported to be requisite.	Do.	When funds are available.
		A high wall round the straw yard ..	App. Estc. 1,320	Desirable. Reported to be requisite	Do.	Do.
Bangalore Division.	Bangalore ..	*Queen's Own Sappers and Miners.*—Floor of European Non-Commissioned Officers' quarters relaid.	Do. 900	Do. Floors uneven	.....	Do.
		Hospital lavatory and increased surgery accommodation.	Do. 1,000	Do.	.....	Do.
		South Station Hospital.—Two stalls for horses.	360	Do. Entered in list 1882-83	.....	Do.
		Native Infantry.—Hospital lavatories.	App. Estc. 2,000	Do.	.....	Do.
		Royal Horse Artillery.—Latrines to Staff Sergeants' quarters.	2,100	The present latrines are offensive and badly arranged. Their demolition and reconstruction on the standard plan was recommended last year by a Board convened for the purpose of inquiring into the matter. The Deputy Surgeon-General was one of the members of the Board.	Very desirable	Recommended.
		Stone drains for forage yard and lines.	1,440	Estimate and plan submitted and sanctioned in G.O., No. 3066, 2nd December 1879, but no funds allotted up to date. Much required to carry off water.	Needed	When funds are available.
		European Infantry.—Latrine for Native followers.	1,600	There is no latrine for Native followers and the Committee consider one absolutely necessary.	Very necessary	Recommended.
		Fourth Regiment, Native Infantry.—Latrines for hutting lines.	1,600	Considered by the Committee very essential. The Assistant Quartermaster-General will select the site.	Do.	Do.
		Enlarging school-room	543	.....	Necessary	When funds are available.
	Wellington ..	Supplying fire valve with branch and four cisterns to married quarters as there is no means of extinguishing a fire.	1,100	Indispensable. Very necessary in case of fire, recommended in 1877, recommended in 1882.	Indispensable	Recommended.

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 1883-84—*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 Officers Commanding Divisions or Districts.	Remarks by the Commander-in-Chief.
			Rs.			
Bangalore Division—*cont.*	Wellington ..	Gymnasium	2,000	Strongly recommended by Medical Officer as a means of amusement and recreation to the men. Recommended in 1877, recommended in 1882.	Required when funds are available.	Strongly recommended.
		New flooring to Racquet Court ..	1,945	O.G., No. 399 of 24th August 1877. Sanctioned when funds are available. Recommended in 1882.	Not urgently required ..	When funds are available.
		The fire hose be immediately supplied with screws complete, at least six, as at present no means of putting out fire, also buckets to convey water.	500	Recommended in 1882	Recommended	Recommended.
		The supply pipe to be increased from 2 to 6, as at present the supply of water does not reach the married quarters in the morning when water is being drawn off in the soldiers' wash-houses.	560	Recommended by Committee, 1882	Urgently required	Very urgent.
		Bath-rooms to be constructed to Nos. 1, 2, 3, 4, and 5 blocks for Pay Sergeants.	2,350	Do. do. do.	Needed	Do.
		Compound-wall and alterations to doors and windows, Commissariat buildings.	1,280	O.G., No. 345, dated 24th August 1875. Desirable, recommended by the Commissariat Officer.	May stand over	When funds are available.
		Drainage works near the barracks ..	860	O.G., No. 1748, dated 23rd July 1872. Desirable. Much wanted.	Recommended	Recommended.
		Erecting a stone reservoir, laying pipes between the springs and place of outlet of the spring water-supply.	2,070	O.G., No. 5809, dated 28th November 1876. Desirable.	May stand over	When funds are available.
		New pattern punkahs for Men's Hospital, British Troops.	1,125	New punkahs are much required in the station hospital. First brought forward in 1876 when the present punkahs were condemned.	Recommended	Very desirable.
		New Pharmacy for the Native Cavalry.	732	First brought forward in 1881. Quartermaster-General's No. 657 of 4th June 1881.	Recommended	When funds are available.
		One latrine for 27th Regiment, Madras Native Infantry.	1,500	One exists, but is not enough. The left wing is too far from this even did it give sufficient seat accommodation at all times.	A latrine is much needed, but Rs. 1,500 would build houses for 40 or 50 men and their families.	Do. do.
Ceded Districts.	Bellary ..	Two small cook-rooms for Hospital of Native Regiments.	1,200	This is much wanted for the use of the sick in hospital. The present arrangement is unsatisfactory.	Recommended	Do. do.
		School-room for 27th Regiment, Native Infantry.	1,000	This is too small for the members now on the school books. It is inconvenient in the matter of construction and unfit for its purpose. It is not a public building and the Regiment gets Rs. 5 a month rent for it.	Recommended	Do. do.
		Latrine for the Canteen of the Royal Artillery.	600	There is none and one is much wanted	Not urgently needed at present.	Do. do.

OOTACAMUND,
September 1882.

(Signed) JOHN EWING, Lieut.-Colonel,
Offg. Quartermaster-General.

4TH OCTOBER 1882, No. 2591 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

No. 24.

READ—the following papers :—

From the Quartermaster-General of the Army, through the Military Department, dated 20th September 1882, No. 1026.
From do. do. dated 27th September 1883, No. 7760.

No. 25.

ORDER—dated 4th October 1882, No. 2590 W., Public Works.

Ordered that the Schedule of Military requirements on account of Public Works, under Buildings and Roads in the Madras Presidency for 1883-84, be submitted to the Government of India in the Military Department as directed in letter No. 283 A.G., dated 11th September, from the Government of India.

2. Ordered also that the list of Military Works estimated to cost below Rs. 2,500 each be printed and circulated to Superintending Engineers, in view to the necessary plans and estimates being prepared in time to admit of the grant that may be made for Minor Works in 1883-84 being utilized.

3. Superintending Engineers are also reminded that no time should be lost in the preparation and submission of the necessary plans and estimates for those unsanctioned works which have been entered in the schedule, as no work can find a place in the outgoing Budget Estimate for which plans and estimates have not been duly sanctioned.

(Here enter No. 2591 W., dated 4th October 1882.)

(True Extract.)

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

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

No. 26.

ENDORSEMENT—dated 4th October 1882, No. 2591 W., Public Works.

Copy of the above forwarded to the Government of India in the Military Department.

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

Exd. S. T. Austin.
Spare Copies

GENERAL.
ACCOUNT.

Govt. of (1882) Madras

PUBLIC WORKS.

Dated October, 4th.

Recd. *Encl.*

G.O., 4th Oct. 1882, No. 2591 W.

OCTOBER.
Nos. 24–26.

Schedule of Military requirements.

SUBMITTING — on account of Public Works under Buildings and Roads in the Madras Presidency for 1883-84.

7585
2978/8

B

Please note what provision has been made for the works referred to in the Dy. Mr. Genl's letter—

I do not see them entered in the Schedule of Military requirements for 1883-84.

C[illegible] 7/11/82

S.A.W.

No provision appears to have been made for the Armaments Fort St. George. I do not find the entire entered in the Schedule of building requirements for 1881-82 and 1882-83. If the work [illegible] not more than Rs 2500, it should be entered [illegible] budget.

R. S.

2978/9 71

QUARTERMASTER-GENERAL'S OFFICE,
Fort Saint George
3rd November 1882.

No. 8830

…RMASTER-GENERAL,

…Chief Engineer
…Public Works Department

… years have now elapsed
… Armament of Fort Saint George
…, but as yet not one of the
… L R Guns forming part of it
… placed in position.
…ing been understood that the
… due to the time required for
…tion of the elaborate plan
…des in connection with the
…unting of the entire Armament
…ion of Expense Store rooms
… for the same, the Officer
…y Eastern Dt. was informed
… His Excellency the Commander
… was particularly anxious that
…he L R Guns should be placed
… as soon as possible, he can
… why the plans & estimates
…mplacements alone of these
…ld not be submitted at first
… work of their provision be
proceeded

2776/71

QUARTERMASTER-GENERAL'S OFFICE,
Fort Saint George
3d November 1882.

No. 8830

From

THE QUARTERMASTER-GENERAL,

To

THE Chief Engineer
Public Works Department

SIR,

Two years have now elapsed
P.G. No. 6534 of 1880 since the Armament of Fort Saint George
was decided, but as yet not one of the
68-Pr. Sm. L.R. Guns forming part of it
have been placed in position.

2. On having been understood that the
delay was due to the time required for
the Completion of the Victoria Plan
and Estimates in Connection with the
proper mounting of the entire Armament
and provision of Expense Store rooms
&c required for the same, the Officer
Commanding Eastern Dn was informed
that as His Excellency the Commander
in Chief was particularly anxious that
the 68-Pr. Sm. L.R. Guns should be placed
in position as soon as possible, no time
no reason why the plans & Estimates
for the emplacements alone of these
Guns should not be submitted at first
and the work of other provision be

proceeded

in any way to delay the work. as in no case could it be commenced before an allotment of funds is made for it; this allotment may not be expected, in the usual course of things, before the 1st April next. Long before which date I fully expect to obtain sanction to the plans & Estimates.

The present work in progress at the Redan is merely an annual repair to the Fortifications still these repairs are being made in view of His Excellency the Commander in Chief having approved of an 80 Pr Gun being mounted at the Redan, and although they cannot of course include the entire construction of a new Emplacement, yet when done they will not leave very much more work to be done, besides laying the granite racer curbs setting the pivot &c &c

The necessity of submission of the Fort plans and Estimates before the 1st April next will not be lost sight of.

I have &c
(Sd) W. H. Burton Lt. Col. R.E.
Executive Engineer

(True Copy)

D. J. S. McLeod Major
Offg Dy Q. Mr Genl C

Yes – but the preliminary issue of the Budget is usually made before the end of Decr, & if the work is to be sanctioned therein, the plans & estimates should at once be submitted.

C.G.

proceeded with at once, leaving the plans and Estimates for all other works Connected with the Armament to be submitted hereafter as Completed.

3 A Copy of the reply of the Executive Engineer on this point is enclosed; this gives no satisfactory prospect of the wishes of His Excellency the Commander in Chief being Carried into effect and I am therefore desired to bring the matter to your notice in view to the necessary measures being taken to prevent any further delay that Can be avoided in the mounting of these Guns in their proper positions, which Sir F. Roberts Considers to be the work of primary importance in Connection with the Completion of the Armament of the Fort.

I have the honor to be
Sir
Your Obedient Servant
D.J. Law Lead Major
Offg Dy Adjt Genl

Public Works Office
Madras
Chepauk 11th October 1882

No. 2961

2976/10

From
The Executive Engineer
Presidency

To
The Dy. Asstt. Adjutant Genl
Eastern District

Sir

In reply to your No. 2190 dated 10th October 1882, I have the honor to state that the plans and Estimates for all the work required for the new Armament of Fort Saint George are being prepared as quickly as the preparation of plans for the Completion of the 3 Coast Batteries and the strengthening of Army Office establishment will permit. Estimates for the Fort Work, in the meantime have been necessarily retarded in order that I may Complete the plans for these Batteries and Estimates for which have already gone in. These plans will, it is expected, be submitted by the end of this month, when the plans and Estimates for the Fort Armament will be resumed.

With reference to this delay however, I should explain that the present non-submission of the plans & Estimates is not strictly in

B & R

No 2978 W of 11th Novr/82

Communicated to the Suptg: Engineer Fifth Circle, who will see that the wishes of H. E. the Commander-in Chief are at once complied with

2. To admit of provision being made in the Mily: Budget for 1883.84 for placing the 80/68 pounder guns in position, no time should be lost in submitting plans & estimates for the work

10.11.82

E.O. 2361 A.W. - 14.10.80
" 2292. W. 16.9.81
" 2941. W. 28-12.80
" 2968. W. 31-12.80
" 738. W. 17-3-81
" 2416 - W. 30-9-81
" 1523 W. 27-5-82

Mily. E.O. 3844 - 24.7.82
E.O. 2530. W. 25.9.82
" 2591. W. 6-10.82

S. E. Fifth Circle

Mily: Dept.

with order

12

7585

Govt. of (1881) Madras.

PUBLIC WORKS.

To

Dated 18/11

Issued

Recd. Encl.

G. O., 11 Nov. 1882 No. 2978-W

Nos. 77 to 78

Fort St. George - 80/68 pounder Guns.

Plans & estimates for placing the - in position called for & the S.E. directed to see that the wishes of H.E. the C in C are complied with at once.

Sent 18/11

Sent CE - in Receipt Regr.