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MADRAS RECORD OFFICE.

Government of Madras.

Public works DEPARTMENT.

G.O. No. 3780	Press ~~Mix~~
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Dated 3-12-	18 68-

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*Proceedings of the Madras Government, Public Works Department,
3rd December 1868.*

No. 89. Read the following Proceedings of the Madras Government in the Military Department:—

Communicating lists of Military Works to be provided for in the Budget of 1869-70. } (Here enter 3rd November 1868, No. 4,290.)

No. 90. ORDER THEREON, 3rd December 1868, No. 3,780.

MILITARY WORKS, No. 7.

1. With the letter recorded in the foregoing Proceedings, the Quarter Master General submits the Budget of Works proposed by His Excellency the Commander-in-Chief for execution from the assignment under "Military" for the next official year.

2. The amount which has been placed at the disposal of this Government for Military Works for 1869-70 is Rupees 12,00,000, of which Rupees 1,10,000 must be set apart as a Reserve for Minor Works and Rupees 1,82,000 for Repairs. The aggregate of these two sums is Rupees 2,92,000, which, deducted from the total allotment, leaves Rupees 9,08,000 for new works, the estimated cost of which is Rupees 2,500 and above.

3. The Budget submitted by the Quarter Master General contains no provision for the Lawrence Asylum buildings, which, being classed as a Military work, must be entered in Part II of the Budget under that head. The current year's allotment for those buildings is Rupees 2,04,810, and His Excellency in Council

Item 66, Part II.

is of opinion that a smaller grant than two lacs of Rupees against two and a half lacs applied for by the Superintending Engineer will be inadequate for the ensuing year. After making this assignment and providing for the undermentioned* incomplete works which are also omitted from the Quarter Master General's list,

* Rupees 1,78,200 in the aggregate. the sum available for Military Works to be entered in the out-going Budget is Rupees 5,29,800 which, with the exceptions hereinafter noticed, will be appropriated to the works proposed by His Excellency the Commander-in-Chief as far as possible.

Incomplete works omitted from the Quarter Master General's Budget.

District.	Work.	Estimate.	Computed expenditure up to 31st March 1869.	Amount required in 1869-70.
Bellary ...	Improving the supply of water to the Cantonment	RS. 69,300	RS. 32,000	RS. 37,300
Do ...	New Garrison Main Guard with out-offices, &c.	24,500	16,500	8,000
Do. ...	Garrison Lock Hospital	15,900	12,000	3,900
Do. ...	Improvements to Barrack Latrines of H. M.'s 3-60th Rifles	15,000	3,000	12 000
Do. ...	Hospital for Native Troops	50,000	20,000	20,000
Presidency...	Fencing, planting, draining, laying on water pipes and road-making at the Ordnance Lines, North-West Esplanade	51,750	23,000	28,750
Madras ...	Dry earth Latrines for Barracks, &c	9,550	1,300	8,250
Bangalore...	Two male Pavilions of Hospital for Cavalry	1,60,700	1,20,700	40,000
Do. ...	Re-roofing Mercara Palace	44,000	34,000	10,000
Do. ...	Ulsoor Water Project ... ..	.....	1,59,258	10,000
	Total ...			1,78,200

*Proceedings of the Madras Government, Public Works Department,
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4. The proposed allotment as the Reserve under Military for 1869-70 is the same as that for the current official year, while the estimate for Repairs under the same head is Rupees 12,000 in excess. This excess is mainly owing to the operation of the orders of the Government of India which prescribe that all charges for buildings taken up for the accommodation of Troops shall be defrayed from the Budget allotment for repairs to Military buildings.

5. *Marine Sanitarium at Ennore.*—Looking to the time which must elapse before properly prepared plans and estimates can be laid before Government, and before the sanction of the Government of India can be obtained to the expenditure of the amount involved in the scheme, the Government are of opinion that it will be unnecessary to provide an allotment of funds for the various works in next year's Budget.

6. *Stables for the Battery of the Royal Artillery at Trichinopoly.*—The estimate *Vide G. O., No. 338, dated 1st February 1863.* which was submitted to Government on the 12th December 1865 was prepared on a plan different from the standard design furnished by the Government of India, and, as that plan must be adhered to, a revised estimate should be prepared and forwarded with as little delay as practicable.

7. *Camel Shed at Bangalore.*—The revised estimate for this work is Rupees *Vide G. O., No. 3,550, dated 14th November 1863.* 18,040, of which Rupees* 16,635 have already been allotted, leaving the small balance of Rupees 1,355, which may be provided from other sources before the expiration of the current year, or, failing this, from the Reserve of 1869-70.

8. *Lightning Conductors to buildings at Ramandroog.*—Provision for this work having been made in the current year's Budget it is unnecessary to make a grant for it in the estimate for 1869-70.

9. The list of works estimated at less than Rupees 2,500, each, will be communicated to the Superintending Engineers, who will take measures for submitting estimates in due course for all such as have not yet been sanctioned.
(True Extract.)

Colonel, R. E.,
Secretary to Government.

To the Superintending Engineers.
To Captain R. B. Kennedy.
To the Military Department.
" Public do.
" Controller of Public Works Accounts.
" Quarter Master General.

Exd. S. T. Augustin.

*Proceedings of the Madras Government, Military Department,
3rd November 1863.*

Read the following papers:—

No. 35. From the Quarter Master General, to the Secretary to Government, Military Department, Fort Saint George; dated Head Quarters, Ootacamund, 14th October 1863, No. ⁸⁸³ 7160.

I have the honor, by order of the Commander-in-Chief, to submit for the approval of Government, Lists of Military "Major" and "Minor" Works as per margin to be provided for in the Budget of 1869-70.

1 List of Military "Major" Works amounting to Rs. 9,72,771.
1 List of Military "Minor" Works amounting to Rs. 91,586.

Divisions.	Stations.	Description of buildings, &c., and for what Corps or Department needed.	List of Military Works for entry in the Public Works Budget of 1869-70, prepared from Lists received from Divisions.				Total allotment required for each work in the budget of 1869-70.	Orders of Government bearing reference to the works or marks as to the necessity of buildings.
			Sanctioned works in actual progress for which an allotment in the budget is required for expenditure in 1869-70.	Sanctioned works not commenced and for which an allotment is now asked for expenditure in 1869-70.	New works not yet sanctioned which in the opinion of the Commander-in-Chief are urgently required.	RS.		
Centre Division.	Presidency.	Drainage of Royapooram lines.	10,000	.....	.....	RS.	10,000	Order of Government, No. 2926, dated 20th Sept. 1867.
	Presidency.	Marine Sanitarium at Ennore, estimate Rupees 2,00,000.	.....	1,00,000	.....	RS.	1,00,000	Order of Government, No. 896, dated 19th March 1868.
Saint Thomas Mount.	Presidency.	Drainage of Perambore lines.	.....	55,000	.....	RS.	55,000	Order of Government, No. 2063, dated 30th June 1868.
	Presidency.	Barrack accommodation for two Field Batteries.	50,000	.....	.....	RS.	50,000	Order of Government, No. 1083, dated 8th April 1867.
Trichinopoly.	Presidency.	Powder Magazine at the Mount.	19,915	.....	.....	RS.	19,915	Order of Government, No. 2139, dated 6th July 1868.
	Presidency.	Converting the European bomb-proof barracks into Ordnance Commissariat and Medical store rooms, &c., and No. 4 temporary barracks into family quarters. Additional estimate Rs. 3,500.	3,500			RS.	3,500	Order of Government, No. 797, dated 23rd Feb. 1868. Order of Government, No. 1454, dated 8th May 1868, Military Department. Order of Government, No. 2504, dated 5th August 1868.

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List of Military Works for entry in the Public Works Budget of 1869-70, &c.—(continued.)

2 *Proceedings of the Madras Government, Military Department,
3rd November 1868.*

Divisions.	Stations.	Description of buildings, &c., and for what Corps or Department needed.	Sanctioned works in actual progress for which an allotment in the budget is required for expenditure in 1869-70.	Sanctioned works not commenced and for which an allotment is now asked for expenditure in 1869-70.	New works not yet sanctioned which in the opinion of the Commander-in-Chief are urgently required.	Total allotment required for each work in the budget of 1869-70.	Orders of Government bearing reference to the works or remarks as to necessity of building.
Southern Division.	Trichinopoly.	Stables for the Battery of Royal Artillery. A Lock Hospital for Trichinopoly.	.....	RS. 12,500	.....	RS. 12,500	Order of Government, No. 398, dated 11th February 1866. Required in lieu of the present rented building for which Government pays a rent of Rupees 30 per mensem.
		Dry earth system of conservancy for Trichinopoly.	.....	.....	6,000	6,000	Order of Government, No. 3108, dated 8th October 1867, Public Works Department.
		Quarters for 3 Apothecaries at Wellington.	.....	.....	3,690	3,690	Order of Government, No. 2258, dated 9th June 1868. Very necessary.
		Buff kitchen ranges for Depot at Wellington.	.....	8,500	.....	8,500	Order of Government, No. 67, dated 8th January 1866, Public Works Department. Order of Government, No. 3108, dated 8th October 1867, Public Works Department.
Southern Division.	Wellington.	.....	.....	5,112	.....	5,112	Order of Government, No. 67, dated 8th January 1866, Public Works Department. Order of Government, No. 3108, dated 8th October 1867, Public Works Department. Very necessary.

*Proceedings of the Madras Government, Military Department,
3rd November 1868.* 3

Mysore Division.	Bangalore.	Dry earth system of conservancy for Wellington.	.....	4,107	.....	4,107	Order of Government, No. 3108, dated 8th October 1867.
		Lengthening side walls of ball court at Wellington.	.....	.....	3,000	3,000	Order of Government, No. 2258, dated 9th June 1868.
		Pointing with lead the floor of the racquet court at Wellington, and repairing side walls.	.....	.....	3,160	3,160	Very necessary as noticed by the Commander-in-Chief on his recent inspection of the station. do.
		Substituting timber for asphalt flooring in the lower rooms of the married quarters and No. 5 block of Wellington barracks.	.....	.....	20,477	20,477	Reported by the Sanitary Commissioner as a very necessary work.
		Royal Horse Artillery.	.....	.....	.....	.....	
		1 Skittle alley, estimate Rs. 2,550	.....	.....	2,550	2,550	Order of Government, No. 1807, dated 12th May 1865, required in place of a temporary Skittle Alley removed agreeably to Proceedings of Committee on sites, dated 27th April 1868.
		Stabling for 182 horses, estimate Rupees 33,610.	.....	.....	33,610	33,610	Order of Government, No. 132, dated 16th January 1868.
		1 Lavatory for men, estimate Rupees 3,770.	.....	.....	3,770	3,770	Order of Government, No. 2920, dated 14th September 1868. One lavatory has been built, another is necessary to complete requirements. The old lavatories having been long condemned.
		Cavalry Race Course.	.....	.....	.....	.....	
		Serjeants' mess, library, recreation room, &c., estimate Rupees 46,750.	24,700	.....	.....	24,700	Order of Government, No. 1811, dated 9th June 1868. Urgently required to complete the scheme of barrack accommodation. } Order of Government, No. 2371, dated 24th July 1868. } Order of Government, No. 1811, dated 9th June 1868. } Order of Government, No. 2371, dated 24th July 1868. }

List of Military Works for entry in the Public Works Budget of 1869-70, &c.—(continued.)

Divisions.	Stations.	Description of buildings, &c., and for what Corps or Department needed.	Sanctioned works in actual progress for which an allotment in the budget is required for expenditure in 1869-70.	Sanctioned works not commenced and for which an allotment is now required for expenditure in 1869-70.	New works not yet sanctioned which in the opinion of the Commander-in-Chief are urgently required.	Total allotment required for each work in the budget of 1869-70.	Orders of Government bearing reference to the works or remarks as to necessity of buildings.
		<i>Cavalry Race Course.</i> (continued.)					
		School room, estimate Rs. 10,640.	.....	.....	10,640	10,640	Order of Government, No. 2554, dated 11th July 1865.
		1 Double fire court, estimate Rupees 7,580.	.....	.....	7,580	7,580	Order of Government, No. 1807, dated 12th May 1865.
		Hospital, estimate Rs. 81,000	.....	.....	81,000	81,000	Order of Government, No. 1879, dated 11th May 1868.
		Out houses to do. Rs. 15,000	.....	.....	15,000	15,000	Order of Government, No. 1879, dated 11th May 1868.
		<i>Artillery Race Course.</i>					
		Guard room, estimate Rs. 17,700.	4,800	.....	.....	4,800	Order of Government, No. 2279, dated 18th July 1864.
		Stabling for 20 horses, estimate Rupees 42,920.	.....	42,920	.....	42,920	Order of Government, No. 132, dated 10th January 1868.
		Alterations and additions to out houses, Rupees 4,780.	.....	4,780	.....	4,780	Order of Government, No. 2920, dated 14th September 1868.
							These alterations are necessary for the reception of patient cooking ranges, and the estimate includes the cost of ranges.

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3rd November 1863.

		Garrison.		Bangalore.		Mysore.			
		New Magazine			20,000			20,000	Order of Government, No. 3428, dated 3rd September 1868, Military Department.
		Quarters for Resident Medical Officer at race course hospital, estimate Rupees 8,000.	.....	.....	.....	8,000	.....	8,000	Order of Government, No. 2884, dated 10th September 1868, Public Works Department.
		Camel sheds for 95 camels, estimate Rupees 14,640.	.....	.....	.....	14,640	.....	14,640	Order of Government, No. 1879, dated 11th May 1868.
		Slaughter house, estimate Rupees 13,080.	.....	.....	.....	13,080	.....	13,080	It is necessary that there should be a Resident Medical Officer at the Hospital at the race course.
		Drinking water scheme from Dhoobie's wells under east corner of Ulsoor tank, estimate Rupees 30,000.	.....	.....	.....	30,000	.....	30,000	Order of Government, No. 21, dated 4th January 1868.
		Drainage of race course, estimate Rupees 69,000.	.....	.....	69,000	.....	.....	69,000	Order of Government, No. 1191, dated 3rd May 1865.
		Wash house and urinal to provost, estimate Rupees 2,650.	.....	.....	.....	2,650	.....	2,650	Order of Government, No. 2128, dated 7th June 1865.
		Asphalting floors of bathing rooms of all Family and Sergeants' quarters of all branches of the service, estimate Rs. 3,500.	.....	.....	.....	3,500	.....	3,500	Order of Government, No. 2872, dated 23rd July 1868.
		Storing water from roofs of barracks, estimate Rs. 1,00,000.	.....	.....	.....	22,100	.....	22,100	Order of Government, No. 2507, dated 6th August 1868, Public Works Department.
									Order of Government, No. 1301, dated 21st April 1868.
									Most necessary.
									Order of Government, No. 401, dated 5th February 1868.
									Order of Government, No. 2872, dated 23rd July 1868.

Proceedings of the Madras Government, Military Department.
3rd November 1863.

With 1 minor amendment
to be presented for approval.

Re.

List of Military Works for entry in the Public Works Budget of 1869-70, &c.—(continued.)

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Proceedings of the Madras Government, Military Department,
3rd November 1868.

Divisions.	Stations.	Description of buildings, &c., and for what Corps or Department needed.	Sanctioned works in actual progress for which an allotment is required for expenditure in 1869-70.	Sanctioned works not commenced and for which an allotment is now asked for expenditure in 1869-70.	New works not yet sanctioned which in the opinion of the Commander-in-Chief are urgently required.	Total allotment required for each work in the budget of 1869-70.	Orders of Government bearing reference to the works or remarks as to necessity of building.
Cannanore.		<i>Subsidiary buildings for a Garrison Battery of Artillery.</i>	Rs.	Rs.	Rs.	Rs.	Required for a Garrison Battery of Artillery.
		1 School for adults and children .....	.....	.....	25,000	25,000	
		1 Library and reading room .....	.....	.....	.....	.....	
		1 Fives court .....	.....	.....	.....	.....	
		1 Canteen .....	.....	.....	.....	.....	
		1 Sergeants' mess room .....	.....	.....	.....	.....	
		1 Skittle alley .....	.....	.....	.....	.....	
		2 Store rooms .....	.....	.....	.....	.....	
		1 Orderly room .....	.....	.....	.....	.....	
		1 Guard room .....	.....	.....	.....	.....	
Cannanore.		1 Prison room and defaulters' room .....	.....	.....	.....	.....	
		1 Cell .....	.....	.....	.....	.....	
		1 Plunge bath .....	.....	.....	.....	.....	
		For renewing the floors of the European Infantry barracks at Cannanore, estimate Rupees 31,180.	.....	31,180	.....	31,180	Order of Government, No. 2820, dated 3rd September 1868, Public Works Department.
		Workshops for European Regiment at Cannanore, estimate Rupees 14,300.	.....	.....	14,300	14,300	Order of Government, No. 1807, dated 12th May 1865.
		Officers for do. estimate Rupees 8,010.	.....	.....	8,010	8,010	
							
							
							
							

Proceedings of the Madras Government, Military Department,
3rd November 1868.

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Ceded Districts.	Bellary.	Quarters for a Conductor and Staff Serjeant of Commissariat Department at Cannanore, estimate Rupees 10,000.		9,000	9,000	Considered very necessary, in order that these subordinate officers should be provided with suitable accommodation near their work.
		<i>Horse Artillery.</i>	.....	.....	.....	
		Harness room .....	.....	8,000	8,000	Very much required, the present building is only temporary and is much exposed to the westerly sun and rain.
		Latrines .....	.....	4,000	4,000	Urgently required. The present temporary buildings are very bad and are in every way unsuitable. New ones being also required for dry earth system.
						
		<i>Garrison Battery.</i>	.....	.....	.....	
		2 Wash houses .....	.....	6,000	6,000	Urgently required. Men now make use of portion of the verandah of the barracks for the purpose of washing.
		New latrines .....	.....	4,000	4,000	Urgently required. The present temporary buildings are very bad and in every way unsuitable. New ones being also required for the dry earth system of conservancy.
						
		Family quarters with out houses, complete.	.....	20,000	20,000	No family quarters attached to present barracks of the Garrison Battery. The families occupy a range belonging to the Infantry a long distance from the barracks.
		<i>European Troops generally.</i>	.....	.....	.....	
		Hospital for epidemic diseases ...	.....	20,000	20,000	Order of Government, No. 3950, dated 20th December 1867, Public Works Department.
			.....	.....	.....	Order of Government, No. 2955, dated 18th September 1868.

List of Military Works for entry in the Public Works Budget of 1869-70, &c.—(continued.)

Divisions.	Stations.	Description of buildings, &c., and for what Corps or Department needed.	Sanctioned works in actual progress for which an allotment in the budget is required for expenditure in 1869-70.	Sanctioned works not commenced and for which an allotment is now asked for expenditure in 1869-70.	New works not yet sanctioned which in the opinion of the Commander-in-Chief are urgently required.	Total allotment required for each work in the budget of 1869-70.	Orders of Government bearing reference to the works or remarks as to necessity of buildings.
		<i>European Troops, generally.</i> (Continued.)	Rs.	Rs.	Rs.	Rs.	
		Female hospital .....	.....	.....	50,000	50,000	Order of Government, No. 3108, dated 8th October 1867, Public Works Department. Order of Government, No. 3650, dated 20th December 1867, Public Works Department. Order of Government, No. 2955, dated 18th September 1868, Public Works Department. Order of Government, No. 3739, dated 24th September 1868, Military Department.
		<i>European Infantry.</i>					
	Bellary.	Magazine.....	.....	.....	3,000	3,000	The present one is not large enough to contain the quantity of ammunition required for the full Regiment, and the white ants have got into it. New one is much required.
		Garrison.					
		Garrison prison .....	.....	.....	40,000	20,000	Order of Government, No. 3108, dated 8th October 1867. Urgently needed.

[illegible]

QUARTER MASTER GENERAL'S OFFICE,
HEAD QUARTERS, OOTACAMUND, }
14th October 1868.

List of Works estimated at less than 2,500 Rupees, recommended for execution from the "Reserve" in 1869-70.

Divisions.	Stations.	Description of buildings, &c., and for what Corps or Department needed.	Sanctioned works not commenced and for which an allotment is now asked from the "reserve" in 1869-70.	New works not yet sanctioned which are considered urgent for execution in 1869-70.	Total allotment required from the reserve in 1869-70.	Orders of Government bearing reference to the works or remarks as to necessity of buildings.
Centre Division.	Fort Saint George.	Additions and alterations to the Regimental Privy in the Fort, and providing sheet iron screen.	.....	450	450	Work reported necessary by the Sanitary Commissioner.
		New latrine for the Artillery Hospital at the Mount.	1,430	.....	1,430	Order of Government, Public Works Department, No. 50, dated 7th January 1867.
	Saint Thomas' Mount.	New latrines for the new Main Guard in the Horse Artillery Lines at the Mount.	1,300	.....	1,300	Order of Government, Public Works Department, No. 50, dated 7th January 1867.
		New latrines with 8 seats for north barracks... Do. do. for south do. do. for east tile do. do. bomb-proof do. do. do.	1,730 1,740 1,740 1,720 1,340	..... ..... ..... ..... .....	1,730 1,740 1,720 1,720 1,340	Order of Government, No. 1917, dated 15th May 1867, Military Department—no funds available in budget of 1868-69.—Fide Order of Government, Public Works Department, No. 1637, dated 23rd May 1868.
		New latrines for the Main Guard and Prison-room, and removing the old ones near Saint Thomas' Mount Church, and east of the Royal Artillery Canton.	2,210	.....	2,210	Order of Government, No. 1842, dated 19th June 1867.
		Constructing back doors, bath rooms and compound wall to the family quarters near the bomb-proof barracks, Horse Artillery Lines at the Mount.	1,700	.....	1,700	Do. do. do.
		Inserting windows in the front and back-rooms of the 24 family quarters near Soldiers' Institute at the Mount.	.....	.....	.....	Order of Government, Public Works Department, No. 1979, dated 3rd July 1867.
		Cook-room for the female hospital, attached to the Garrison.	560	.....	560	Do. do. do.

		Trichinopoly.		Palaveram.		Madras.		Southern Division.	
		Constructing urinal screens of zinc and teak-wood in the bath-room of north and south barracks at the Mount. Constructing a building for storing powder at the Range Practice ground for the Battery at the Mount. Improvements to Commissariat Godown Baths for women, Horse Artillery Lines Pavement of wells in the Cantonment Constructing a cistern for supply of water for Overseer's quarters at the Gun Powder Manufactory. Providing lightning conductors for two chimneys at the Incorporating mills at the Gun Powder Manufactory.	310	.....	310	.....	310	.....	310
			900	.....	900	.....	900	.....	900
			600	.....	600	.....	600	.....	600
			2,000	.....	2,000	.....	2,000	.....	2,000
			1,127	.....	1,127	.....	1,127	.....	1,127
									
									
									
									
									
		Turning up the ground in front of the family quarters of the Royal Artillery, and enclosing it with a mud wall for a garden. A cricket ground for the Battery of Royal Artillery. Twenty-six punkahs for family quarters of Royal Artillery. An American Bowling Alley for the Detachment of British Infantry.	1,100	.....	1,100	.....	1,100	.....	1,100
			750	.....	750	.....	750	.....	750
			795	.....	795	.....	795	.....	795
			2,000	.....	2,000	.....	2,000	.....	2,000

List of Works estimated at less than 2,500 Rupees, &c.—(Continued.)

Divisions.	Stations.	Description of buildings, &c, and for what Corps or Department needed.	Sanctioned works not commenced and for which an allotment is now asked from the "reserve" in 1869-70.	New works not yet sanctioned which are considered urgent for execution in 1869-70.	Total allotment required from the reserve in 1869-70.	Orders of Government bearing reference to the works or remarks as to necessity of buildings.
Southern Division.	Trichinopoly.	Roofing in two latrines of the 9th Regiment Native Infantry, and adding dry earth store and cart shed.	.....	1,800	1,800	Order of Government, No. 3108, dated 8th October 1867, Public Works Department—very necessary, unless a latrine on the Standard Plan be built. Do. do. do.
		Do. do. two latrines for the Native followers of the Battery of Artillery do. Two solitary cells for the 26th Regiment Native Infantry, in the Pootoor lines.	.....	1,800 1,000	1,800 1,000	Necessary. There is no solitary cell in the Regimental Lines. The Garrison cells are more than a mile distant, and require the presence of an extra guard, and of a Puckally and Toly to be detailed to visit them daily.
	Quilon.	A double cook-room for the hospital of the 23rd Regiment Light Infantry.	.....	360	360	Very necessary. None at present exists.
		An out door lavatory for the hospital of the 23rd Regiment Light Infantry.	.....	120	120	Do. do.
		A dead house shed 12 feet square for the hospital of 23rd Regiment Light Infantry. An ablution room for the hospital of do. to be made by enclosing portions of the verandah. Two latrines for the lines of the 23rd Regiment Light Infantry.	..... ..... .....	120 90 1,500	120 90 1,500	Do. do. do. Very necessary. None at present exist.
		Royal Horse Artillery Ration shed.....	.....	900	900	Vide Order of Government, No. 3108, dated 8th October 1867.

Divisions.	Stations.	Description of buildings, &c, and for what Corps or Department needed.	Sanctioned works not commenced and for which an allotment is now asked from the "reserve" in 1869-70.	New works not yet sanctioned which are considered urgent for execution in 1869-70.	Total allotment required from the reserve in 1869-70.	Orders of Government bearing reference to the works or remarks as to necessity of buildings.
Mysore Division.	Bangalore.	Venetian shutters to certain Sergeants' Quarters.	.....	.....	610	Required on sanitary grounds.
		Dry earth stores.....	.....	.....	1,000	To carry out the dry earth system.
		Alterations to Privies.....	.....	.....	1,000	Do. do.
		Crickets ground .....	.....	.....	500	Order of Government, No. 1807, dated 12th May 1868.
		Alterations to roof of cook-house by removing parapet wall.	.....	.....	50	This is necessary to allow the rain water to run freely from the roof.
		A small store-room at Sergeants' mess.....	.....	.....	250	Required for the safe custody of stores.
		Cavalry Race Course.	.....	.....	500	Order of Government, No. 1807, dated 12th May 1868.
		One Cricket ground .....	.....	.....	400	G. Os. G., Nos. 324 and 366, dated 21st August and 2nd October 1866.
		One Gymnasium (temporary).....	.....	.....	866	Order of Government, No. 1627, dated 22nd May 1868.
		Saddle pegs to stabling.....	.....	.....	2,000	To carry out the dry earth system.
		Dry earth stores .....	.....	.....	1,000	Do. do.
		Alterations to privies for dry earth system.....	.....	.....	190	Necessary to allow the rain water to run freely from the roof.
		Alterations to roof of forge by removing parapet wall.	.....	.....	500	Required for watering the horses.
		Artillery Race Course.	.....	.....	500	Order of Government, No. 1807, dated 12th May 1868.
		Two water troughs .....	.....	.....	900	Order of Government, No. 3108, dated 8th October 1867. Very requisite.
		Crickets ground .....	.....	.....	1,000	Do. do.
		Ration shed.....	.....	.....	150	Very necessary, there being no privies to these quarters.
		One Privy for Sergeants' quarters at end of Blocks of Barracks.	.....	.....	2,000	To carry out the dry earth system of conservancy. do.
		Converting an old wash-house into a privy for quarters at ends of two blocks of Barracks.	.....	.....	1,000	Do. do.
		Dry earth stores.....	.....	.....	212	Required on sanitary grounds.
		Alterations to privies for dry earth system.....	.....	.....	.....	.....
		Venetian shutters to certain family quarters....	.....	.....	.....	.....

Proceedings of the Madras Government, Military Department,
3rd November 1868.

Divisions.	Stations.	Description of buildings, &c., and for what Corps or Department needed.	Sanctioned works not commenced and for which an allotment is now asked from the "reserve" in 1869-70.	New works not yet sanctioned which are considered urgent for execution in 1869-70.	Total allotment required from the reserve in 1869-70.	Orders of Government bearing reference to the works or remarks as to necessity of buildings.
Division.	Bangalore.	<i>Infantry.</i>				
		Cooke house drains.....	.....	220	220	Require relaying.
		To convert sick lines into voluntary work-shops.	.....	1,500	1,500	Order of Government, No. 1807, dated 12th May 1865. This will be an economical way of providing voluntary work-shops.
		Surface drain to old Cavalry Hospital buildings.	.....	250	250	These drains are much required and are strongly recommended by Dr. Barclay.
		One cricket ground .....	.....	500	500	Order of Government, No. 1807, dated 12th May 1865.
		Improving outfall of drains .....	.....	160	160	This work is considered necessary by the Executive Engineer.
		Temporary Gymnasium.....	.....	400	400	G. O. G., Nos. 324 and 366, dated 21st August and 2nd October 1866.
		Fittings to Armourers' Shop.....	.....	855	855	Considered necessary pending the construction of a proper Gymnasium.
		<i>Sappers and Miners.</i>				G. O. G. C., No. 107, dated 25th August 1865. These fittings are necessary—no fittings having been supplied hitherto.
		Small-room for Native Officer to be added to present guard-room.	.....	400	400	Order of Government, No. 3108, dated 8th October 1867.
		Hospital lavatory and increased surgery accommodation.	.....	1,000	1,000	Order of Government, No. 2603, dated 13th July, and No. 2088, dated 20th July 1865.

Mysore	Defaulters' room to be added to guard-room ...	.....	700	700	There is no prisoners' room at present.
	<i>27th Regiment Native Infantry.</i>				
	One special case ward to hospital. ....	.....	1,000	1,000	Much required.
	Two dry earth stores .....	.....	1,000	1,000	To carry out the dry earth system.
	One hospital guard-room .....	.....	600	600	At present the guard occupying a portion of the verandah, a very undesirable arrangement.
	Do. Lavatory.....	.....	530	530	
	<i>39th Regiment Native Infantry.</i>				
	One special case ward to hospital .....	.....	1,000	1,000	Much required.
	Two dry earth stores .....	.....	1,000	1,000	To carry out the dry earth system.
	One hospital guard-room .....	.....	600	600	At present the guard occupy a portion of the verandah.
	<i>Garrison.</i>				
	Shed for sick carts race course hospital .....	.....	450	450	Required for the shelter of sick carts.
	Gram store .....	.....	925	925	The godown hitherto used for storing gram, having become unsafe, and not being worth repair, it is proposed to adapt the room below the old race stand to hold three months' supply of gram.
	Alterations to old Infantry Barracks to adapt them to safe storage of Commissariat stores.	.....	1,310	1,310	Order of Government, No. 314, dated 24th January 1866. Most necessary for the proper storage and custody of the Commissariat stores.
	Bridge across nullah behind female hospital. ...	.....	130	130	Necessary as a means of communication with the other hospitals.
	Alterations to privies of separate wards, race course hospital.	.....	900	900	These privies being very defective as regards ventilation, it is proposed to convert them into passages and to build new privies beyond.

List of Works estimated at less than 2,500 Rupees, &c.—(Continued.)

Divisions.	Stations.	Descriptions of buildings, &c., and for what Corps or Department needed.	Sanctioned works not commenced and for which an allotment is now asked from the "reserve" in 1869-70.	New works not yet sanctioned which are considered urgent for execution in 1869-70.	Total allotment required from the reserve in 1869-70.	Orders of Government bearing reference to the works or remarks as to necessity of buildings.
Malabar and Canara.	Mercara.	Latrine for the use of Jail and Treasury guards in the Fort.	.....	350	350	Necessary.
		Two pucca wells.	.....	1,000	1,000	Order of Government, No. 3108, dated 8th October 1867.
		Alterations to privy door of hospital	.....	232	232	The alterations are necessary on the score of privacy.
		Two dry earth Stores.	.....	1,000	1,000	To carry out the dry earth system of conservancy.
		Converting punishment shed into an Armourers' Shop.	1,760	.....	1,760	Order of Government, No. 317, dated 30th January 1868.
	Cannanore.	Small Fox wards for 13th Regiment N. I. do.	.....	600	600	Considered necessary—at present there is no separate ward for contagious diseases.
		Hospital guard-room for 13th Regiment N. I. do.	.....	600	600	Necessary—at present the guards are kept in the verandah which has to be closed in for them, thus excluding air from the patients.
		Two latrines for 13th Regiment Native Infy. do.	.....	2,200	2,200	Necessary to carry out the dry earth system of conservancy.
		Dry earth store for hospital of do.	.....	300	300	
		Two latrines for 40th Regiment Native Infy. do.	.....	2,200	2,200	
		Dry earth store for hospital of do.	.....	300	300	
		Two do for lines	.....	600	600	
		Detached ward for treatment of infectious cases.	.....	600	600	Very necessary.

Ceded Districts.	Bellary.	Horse Artillery.	992	.....	992	Order of Government, No. 2887, dated 17th September 1867, Public Works Department, very much required. No building for the purpose attached to the sick lines. These buildings which are only temporary are very small and greatly require improvement.
		Slingshed for horses.....	992	.....	992	Order of Government, No. 4702, dated 6th December 1867, Public Works Department.
		Improvements to cook-rooms	.....	300	300	This is required in order that the Serjeant may remain on the premises whereby the necessity for a sentry will be done away with.
		New ration shed.....	1,673	.....	1,673	Order of Government, No. 4702, dated 6th December 1867, Public Works Department.
		Room for Canteen Serjeant	.....	200	200	These rooms require improvements. The ventilators being very bad. To give the Corporals the use of a room without circumscribing the Canteen which is very small.
		Alterations to prison and dry-rooms, &c.	.....	1,880	1,880	Very necessary.
		Alterations to Canteen	.....	200	200	Order of Government, No. 4702, dated 6th December 1867, Public Works Department.
		Latrine for the use of school.....	.....	1,200	1,200	To carry out the dry earth system.
		Additions to present ration sheds.....	1,285	.....	1,285	Order of Government, No. 3874, dated 13th December 1867, Public Works Department.
		Native Regiments.	.....	1,000	1,000	
		Alterations and improvements to hospital latrine of Native Cavalry and Infantry.	.....	.....	.....	
		Garrison.	945	.....	945	
		Wall round portion of Arsenal buildings.....	.....	.....	.....	

18 *Proceedings of the Madras Government; Military Department,*
3rd November 1868.

List of Works estimated at less than 2,500 Rupees, &c.—(Continued.)

Divisions.	Stations.	Description of buildings, &c., and for what Corps or Department needed.	Sanctioned works not commenced and for which an allotment is now asked from the "reserve" in 1869-70.	New works not yet sanctioned which are considered urgent for execution in 1869-70.	Total allotment required from the reserve in 1869-70.	Orders of Government bearing reference to the works or remarks as to necessity of buildings.
Northern District.	Bellary.	<i>Garrison.—(Continued.)</i> Latrine for Hospital Serjeant .....	.....	250	250	Much required. Order of Government, No. 175, dated 20th January 1868, Public Works Department.
	Raman- droog.	<i>Convalescent Depot.</i> Alterations to latrines .....	.....	500	500	To carry out the dry earth system. (Order of Government, No. 1227, dated April 1865. Order of Government, No. 3104, dated 8th October 1867, Public Works Department Required on sanitary grounds.
	Vizagapatam.	Ventilating European Infantry Veteran Company barracks.	427	.....	427	Required on sanitary grounds.
	Viziana- grum.	Latrines for the 31st Regiment Native Infy...	.....	1,102	1,102	
	Perham- pore.	Latrines for 24th Regiment Native Infantry...	.....	920	920	
		Latrines for 11th Regiment Native Infantry...	.....	350	350	
		Total Rupees...	.....	.....	91,586	

(Signed) G. COOKE, Colonel,
Quarter Master General.

Qr. M^r. GENL.'s OFFICE, HEAD QUARTERS,
OOTACAMUND, 14th October 1868.

Proceedings of the Madras Government, Military Department, 19
3rd November 1868.

No. 36. ORDER THEREON, 3rd November 1868, No. 4290.
Communicated to the Public Works Department.

(True Extract.)

W. A. Smith Lieut.-Colonel.

Offg. Deputy Secretary to Government.

to the Quarter Master General.
" Public Works Department. *With 200 Rupees copies.*
" Controller of Military Accounts, for information.

Exd. J. E. Cashart

No 3780

Proceedings of the Madras Government
Under date the 3^d December 1868
Read the following

Pro: M. Govt. Military Dept. H.E. No. 4290 dated 3^d Novr 1868

With the letter re-
corded in the foregoing Pro-
ceedings, the Quarter Master
General submits the Bud-
get of Works proposed by
His Excellency the Com-
mander in Chief for execu-
tion from the assignment
under "Military" for the
next Official year.

The amount which
has been placed at the dis-
posal of this Government
for Military Works for 1869-70
is Rs. 12,00,000, of which
Rs. 1,00,000 should
be provided for 1868-69.

24th Nov 1868
Comd. of 1868 M. Works.
MILITARY.

THE QUARTER MASTER GENERAL.

Ac, Ac, Ac.

Dated 24th Nov 1868, 3rd

Reel.

5-

Encl. 0

G. O. 3rd November 1868, No. 4290.

NOVEMBER.
Nos. 35-36.

Communicating lists of Military Works to be
provided for in the Budget of 1869-70.

14th Nov 1868 Q. 175

14th Nov 1868 Q. 175

Rs. 1,10,000 must be set
apart as a Reserve for
their work and

Rs. 1,82,000 for repairs.

The aggregate of these two
sums is Rs. 2,92,000, which,
deducted from the total
allotment leaves Rupees
9,08,000 - for new works
under Military the esti-
mated cost of which is
Rs. 2000 and above.

The Budget sub-
mitted by the Quarter
Master General contains
no provision for the Lan-
cence Regiments buildings,
which, being classed as a
Military work, must be
entered in Part I.

The Field Battery of
Artillery cannot be
included in the Budget, at
presently, as the
allotment for the same
could be made in the Budget
to the benefit of the same
as it is not a new work
of the Q. M. G. but a
renewal of the same.
I would therefore advise the
amount of Rs. 12,500 to be
of Rs. 5000 Rupees. M. H.

Item 66-
Part II.

Rs. 1,78,200
in the aggregate

Budget under that head.
The current years allot-
ment for those buildings
is Rs. 2,04,810, and His Ex-
cellency in Council is of
opinion that a smaller
grant than two lacs of
rupees against 2 1/2 lacs
applied for by the Super-
intending Engineer will be
inadequate for the ensuing
year. After making this
assignment and providing
for the under mentioned
incomplete works which
are also omitted from the
Quarter Master General's
list, the sum available
for Military works to be
entered in the outgoing
Budget is Rs. 5,29,800 which,
with

with the exceptions herin after
noticed will be appropriated
to the work proposed by
His Excellency the Commander
in Chief as far as possible.

Incomplete works omitted from the Quarter Master
General's Budget.

Estimated Amount of
expenditure required in
March 1869

District.	Work.	Estimated at 31 st March 1869	Estimated at 31 st March 1869	Estimated at 31 st March 1869
Bellary.	Improving the supply of water to the Cantonment	69,300	32,000	37,300.
Do.	New Garrison Main Guard with out Officers &c	24,500	16,500	8,000
Do.	Garrison Lock Hospital	15,900	12,000	3,900
Do.	Improvements to Barrack Latrines of H. M. G. S. S. S.	15,000	3,000	12,000
Do.	Hospital for Native Troops	50,000	25,000	25,000
Presidency	Fencing, planing, draining laying on water pipes and road making at the Ordnance Series North West Sepulchre	51,750	23,000	28,750
Madras	Buy Earth Latrines for Barracks	9,500	1,500	8,000
Bangalore.	Female Privies of Hospital for Cavalry	1,60,000	1,25,700	34,300
Do.	Re-roofing Mysore Palace	44,000	34,000	10,000
Do.	Uleer Water Project	1,50,250		10,000
				<u>1,78,200</u>

Alotment for 1868-69 - Rs. 1,70,000
Proposed do. - 1869-70 - 1,82,000

Excess - Rs. 12,000

The proposed al-
lotment as the Reserve
under Military for 1869-70
is the same as that for
the current official year.
while the estimate for Re-
pairs under the same head
is Rs. 12,000 in excess.

This excess is mainly owing
to the operation of the orders
of the Govt. of India which
prescribe that all charges
for buildings taken up for
the accommodation of
Troops & Officers of that
Dept. shall be defrayed from
the Budget allotment for
Repairs to Military build-
ings.

Tharice

Rupees 16.685 have already
been allotted

~~for the year 1869-70~~

~~will probably be expended~~

~~by the 31st March next~~

Leaving the small balance

of Rs. 1355 which may be provided

allotted from other sources

before the expiration of

the current year, or failing

this, from the Reserve of

1869-70.

Garrison Prison at

Bellary:- This work

will be omitted from the

General Budget for the

reasons given in para 17

of the order of the 8th October

1867, No. 3108.

Lightning Conductors to build

ing at Ramandroog:-

Provision for this

work

Note No. 3550
of 14th Nov/68

I would wish this item to
be admitted & inserted
in the Budget for 1869-70.
The consideration of this has been
deferred with reference to a full
report on the subject. but it is not
advisable to delay the present momentary state of
the place of confinement at
Bellary. M. H. H.

Shen
Part II.

work having been made
in the current year's Bud.
yet it is unnecessary to
make a grant for ~~it~~
in the estimate for 1869-70

The list of works
estimated at less than
Rs. 2000 each will be com-
municated to the Supt.
Engineers, who will take
measures for submitting
estimates in due course
for all such as have
not yet been sanctioned.

2
S. Supt. Engineers. ✓
Capt. Kennedy. ✓
Mil. Dept. ✓
Controller. T. W. rect. ✓
Quartermaster General. ✓

Recd. 4/12/68

W. H.

Rep.

Rep.

Rep.

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C. No 1516
Govt. of 1868 Madras.

PUBLIC WORKS

The Engineer

Madras

Nos. 45-46

Military Works
order on the
Military Dept communicating
a letter from the
Master General
the Budget of the
proposed by the
Chief for execution during
1868/70