(1) பக்கங்களின் எண்ணிக்கை 188

(2) புதுக்கித் திருப்பிய நாள் 12/88 1/89

(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம்

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

PW துறை

அரசாணை எண். 3945 W
மு. கோப்புத் தாள் எண். 3946 W

அச்சகம்
பலவகை

நாள் : 18-12-1888

198

டிக்கலோ கண்டபடி கையாளவோ கூடாது

ண. எச்-1—18,000—15-8-87.

3945/1

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

READ—the following papers :—

From the Superintending Engineer,	I Circle,	dated 13th Oct. 1888,	No. 418 G.L. (one statement).
"	"	II "	"	1st "	"	(two statements).
"	"	III "	"	2nd "	"	No. 422 E.W.
"	"	IV "	"	1st "	"	" 3164.
"	"	V "	"	23rd "	"	" 3166.
"	"	V "	"	23rd "	"	" 1479 T.
"	"	VI "	"	24th Sept.	"	"
"	"					

Proceedings of the Government of India, Military Department, dated Simla, 6th November 1888, No. 2143-M.W.

RESOLUTION—The following provisional distribution of the annual Imperial grant of one crore of rupees for military works in 1889-90 is hereby notified :—

	Rs
Rajputana and Central India	3,00,000
Hyderabad	3,00,000
Military Works Department	59,50,000
Central Provinces	1,50,000
Lower Burma	3,50,000
Assam	2,80,000
Bengal	60,000
North-Western Provinces and Oudh	10,000
Punjab	2,50,000
Madras	6,00,000
Bombay	12,50,000
Ordnance Works	3,00,000
Marine Works	1,00,000
Total ...	99,00,000
Leaving for reserve with the Government of India	1,00,000
	1,00,00,000

2. The above allotments include provision for any expenditure that may be incurred in England on stores for works classified as military.

3. The distribution of the grants for Ordnance and Marine will be made by the Director-General of Ordnance and the Director of Indian Marine, respectively. These officers will communicate to the Local Governments and Administrations concerned the works which they desire to have undertaken during 1889-90, and the amounts available for each work, which amounts will then be included by the Local Governments and Administrations concerned in their budget estimates for military works.

4. The preliminary budget estimates should be prepared for the amounts now provisionally sanctioned, together with the allotments, if any, made by the Director-General of Ordnance and Director of Indian Marine, and should be submitted so as to reach the Government of India punctually by the 15th January 1889.

5. Orders regarding the grant for military works in Upper Burma will issue hereafter.

The Governments of Madras, Bombay, Bengal, North-Western Provinces and Oudh, and Punjab, in the Public Works Department.
The Chief Commissioners, Central Provinces, Burma and Assam.
The Resident at Hyderabad.
The Agent, Governor-General, Rajputana and Central India.
The Inspector-General, Military Works.
The Director-General of Ordnance in India.
The Director, Indian Marine.

Order—Ordered that a copy of the foregoing Resolution be forwarded to Local Governments and Administrations noted in the margin, for information and guidance.

Ordered also that a copy be forwarded to—

The Quartermaster-General in India.
The Accountant-General, Public Works Department.
The Accountant-General, Military Department, for information.

(By order.)

(Signed) E. COLLEN,
Secy. to the Govt. of India.

From Brigadier-General M. PROTHEROE, C.B., C.S.I., Quartermaster-General, to the Secretary to Government, Public Works Department, dated Ootacamund, 23rd November 1888, No. 4500 A.

In acknowledging the receipt of your letter No. 4554 C., dated 17th instant, intimating the amount of the grant made by the Government of India to this Presidency for Imperial Military Works in the coming year, and submitting proposals * for the distribution available out of it for major works, I am desired to state that the Commander-in-Chief accepts the allotments proposed by you, subject to the following modifications:—

* Statement herewith returned.

Item 2.—The sheds being built this year, for transport animals at Calicut, with the allotment of Rs. 3,310, are all that are emergently wanted, and in His Excellency's opinion the construction of the remainder might be allowed to stand over until funds can be more conveniently found for them.

Item 9.—The Madras Cavalry Regiment at Bellary at present has saddle rooms, and though they are not good ones, His Excellency considers the provision of new ones to replace them might be made gradually, and accordingly would prefer that the allotment proposed for this work in the coming year be reduced to Rs. 19,000.

2. The amount set free under the suggestions above put forward is Rs. 10,000, which His Excellency would wish added to the allotment for institutes in the coming year so that funds may be thus available not only for execution of the additions and alterations proposed to be made to existing buildings in connection with these institutions at different stations, but also for making a commencement with the new buildings required at St. Thomas' Mount and Wellington.

From Colonel R. F. LOWIS, R.A., Director-General of Ordnance in India, to the Secretary to the Government of Madras, Public Works Department, dated Calcutta, 4th December 1888, No. 35.

With reference to your letter No. 4553 C., dated 17th, and telegram dated 30th November 1888, I have the honor to allot funds as follows to ordnance works in the Madras circle for the ensuing official year 1889-90 out of the grant of Rs. 3,00,000 placed at my disposal by the Government of India by Military Department Resolution No. 2143-M. W. of the 6th ultimo:—

	Rs.
Workshops, Bellary Arsenal	15,992
Quarters for Warrant and Non-Commissioned officers, Bellary Arsenal	15,000
Timber-shed, Bellary Arsenal	2,590
Shed for Camp Equipage section, Madras Arsenal	6,935
Workshops, Gun Carriage Factory, Madras	19,483
	60,000
Percentage for tools, &c.	14,700
Petty and minor works, including percentage for tools, &c.	10,000
Total	84,700

ORDER—dated 18th December 1888, No. 3945 W., Public Works.

In their Resolution above recorded, the Government of India have assigned a provisional grant of Rs. 6,00,000 for expenditure on military works in this Presidency during 1889-90. The amount distributed under departmental heads will be as shown below:—

	Rs.
Works	4,80,850
Establishment	1,11,950
Tools and Plant	7,200
Total	6,00,000

and, with reference to para. 3 of the Resolution, the Director-General of Ordnance in India has made the following allotments for ordnance works:—

	Rs.
Major Original Works	60,000
Minor do.	8,050
Establishment	15,650
Tools and Plant	1,000
Total	84,700

2. The Military Works budget estimate for 1889-90 has therefore been fixed at Rs. 6,84,700, which, distributed under the departmental heads, will be as follows:—

	Rs.
Works	5,48,900
Establishment	1,27,600
Tools and Plant	8,200
Total	6,84,700

3. Of Rs. 4,80,850 available for military works, the following lump sums have been set apart:—

	Rs.
(*a*) Incomplete major works	13,900
(*b*) Do. minor works	10,000
(*c*) New minor works	15,000
(*d*) Repairs	3,00,000
Total	3,38,900

and the balance, Rs. 1,41,950, has been distributed to individual works with the approval of His Excellency the Commander-in-Chief.

4. No provision has been made for the construction of sheds for transport animals at Calicut as, in the opinion of His Excellency the Commander-in-Chief, the sheds now under construction are all that are emergently required, and the construction of the remaining sheds can stand over until funds can conveniently be found for them.

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5. The amounts set apart for repairs and incomplete works will, as usual, be held at the disposal of Government and distributed early next year on receipt of detailed proposals from Superintending Engineers.

6. The sum of Rs. 15,000 set apart for minor new works will, with reference to G.O., No. 2665, W., dated 29th August 1888, be placed at the disposal of officers commanding divisions and districts.

7. The distribution made by the Director-General of Ordnance of the grant for major ordnance works has been adopted; and of the sum of Rs. 8,050 (or Rs. 10,000 inclusive of percentage charges for "Establishment" and "Tools and Plant") provided for minor ordnance works, Rs. 3,050 have been reserved with the Government for incomplete works and the balance, Rs. 5,000, has been placed at the disposal of the Inspector-General of Ordnance to whom Superintending Engineers should apply for funds required for minor new works of 1889-90.

8. The Superintending Engineers concerned will submit, with the least possible delay, plans and estimates for the unsanctioned works for which funds have been provided in the budget.

9. Works for which estimates have not been sanctioned have been entered in the budget at the request of the Quartermaster-General and the Director-General of Ordnance, and it is hoped that the estimates for them will shortly be ready. The Government of India will therefore be requested to allow the amounts provided for them to stand.

10. With these remarks the preliminary issue of the Imperial Military Works budget for 1889-90 will be printed and circulated to the officers concerned for information and guidance, and four copies forwarded to the Government of India, Military Department.

(Here enter No. 3946 W., dated 18th December 1888.)

(True Extract.)

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

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

ENDORSEMENT—dated 18th December 1888, No. 3946 W., Public Works.

Forwarded.

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

Enl. J. Henricus,
Spare Copies

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1888} Madras.

PUBLIC WORKS.

Dated December, 18th.

Read. *Encl.*

G.O., 18th Dec. 1888, Nos. 3945 W., 3946 W..

DECEMBER.

Imperial Military Works Budget for 1889-90

Forwarding copies of the preliminary issue of the —.

PRELIMINARY ISSUE.

3945/4

IMPERIAL.
MILITARY WORKS.

MADRAS.

PUBLIC WORKS DEPARTMENT.

IMPERIAL BUDGET-ESTIMATE

OF

MILITARY WORKS

OF THE

GOVERNMENT OF MADRAS

FOR THE YEAR

1889-90.

CHEPÂK,
18th December 1888.

(Signed) H. R. MEAD, Colonel, R.E.,
Ag. Secy. to Govt., P.W.D.

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IMPERIAL.
MILITARY WORKS.

MADRAS.

REVENUE.

ABSTRACT OF THE BUDGET ESTIMATE OF REVENUE OF THE PUBLIC WORKS DEPARTMENT FROM MILITARY WORKS IN MADRAS FROM 1st APRIL 1889 TO 31st MARCH 1890.

	Actuals, 1887-88.	Budget-Estimate, 1888-89.	Revised Estimate, 1888-89.	Budget-Estimate, 1889-90.
	Rs.	Rs.	Rs.	Rs.
In Public Works Department	26,973	27,800	27,000	27,000
In Civil and Military Departments	...	...	...	...
Total ...	26,973	27,800	27,000	27,000

CHARGES.

ABSTRACT OF THE BUDGET-ESTIMATE OF EXPENDITURE OF THE PUBLIC WORKS DEPARTMENT OF MILITARY WORKS IN MADRAS FROM 1st APRIL 1889 TO 31st MARCH 1890.

	Reference to Detailed Estimate.	Actuals, 1887-88	Budget-Estimate, 1888-89.	Revised Estimate, 1888-89.	Budget-Estimate, 1889-90.
		Rs.	Rs.	Rs.	Rs.
Original Works { In progress	...	1,30,814	2,08,550	2,15,092	1,12,842
Original Works { Not commenced					1,36,058
Repairs ... { Ordinary	...	2,96,596	3,00,000	2,93,400	3,00,000
Repairs ... { Special					
Establishment	...	98,303	1,08,755	1,08,742	1,27,600
Tools and Plant	...	6,323	6,995	6,994	8,200
Suspense Account	...	...	...	...	...
Total ...	...	5,32,036	6,24,300	6,24,228	6,84,700

IMPERIAL.
MILITARY WORKS.

MADRAS.

ABSTRACT OF THE CHARGES TO BE INCURRED BY THE PUBLIC WORKS DEPARTMENT FROM IMPERIAL FUNDS AND CONTRIBUTIONS IN BOTH INDIA AND ENGLAND.

	Actuals, 1887-88.	Budget-Estimate, 1888-89.	Revised Estimate, 1888-89.	Budget-Estimate, 1889-90. Original Works. In progress.	Not commenced.	Total.	Repairs.	Establishment.	Tools and Plant.	Suspense Account.	Barrack Upkeep.	Total.
Provision from Imperial Funds.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	...	...	Rs.
In India ...	5,28,310	6,24,300	6,24,228	1,12,842	1,36,058	2,48,900	3,00,000	1,27,600	8,200	...	...	6,84,700
In England ...	...	...	...	...	...	...	...	...	...	...	...	...
Total ...	5,28,310	6,24,300	6,24,228	1,12,842	1,36,058	2,48,900	3,00,000	1,27,600	8,200	...	...	6,84,700
Provision from Contributions.												
In India ...	3,726	...	...	...	...	...	...	...	...	...	...	...
Grand Total ...	5,32,036	6,24,300	6,24,228	1,12,842	1,36,058	2,48,900	3,00,000	1,27,600	8,200	...	...	6,84,700

STATEMENT showing the WORKS on which OUTLAY in ENGLAND alone provided for is to be incurred.

	Actuals, 1887-88.	Budget-Estimate, 1888-89.	Revised Estimate, 1888-89.	Budget-Estimate, 1889-90. Original Works. In progress.	Not commenced.	Total.	Tools and Plant.	Suspense Account.	Total.
					Nil.				

PART I.

DETAIL OF THE BUDGET-ESTIMATE FOR 1889-90 AND ORIGINAL WORKS FOR THE YEAR 1889-90.

CLASS A WORKS.

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.	Outlay. Actual to end of 1887-88.	Outlay. Probable during 1888-89.	Grant, 1889-90. Works in Progress.	Grant, 1889-90. Works not commenced.	Grant, 1889-90. Total.	Item No.	Remarks and References.
					Rs.	Rs.	Rs.	Rs.	Rs.	Rs.		
				IMPERIAL ORDINARY.								
				MILITARY.								
				Original Works.								
1. *Accommodation for troops*— Buildings for European troops in the plains. Permanent.	West Coast.	Malapuram ...	1	Barracks for a detachment of British Infantry to accommodate 50 additional men.	1,91,412	1,39,673	20,000	20,000	...		1	G.O., No. 3737 W., dated 27th November 1888. Item No. 2, class A works, budget of 1888-89.
	Chinglepet.	Poonamallee ...	2	New barracks	1,66,883	6,607	20,000	30,000	...		2	G.O., No. 465 W., dated 19th February 1879. Revised estimate is awaited. Item No. 2, class B works, budget of 1888-89.
	Nilgiri ...	Wellington ...	3	Quarters for three Apothecaries ...	16,000	...	6,500	9,500	...		3	G.O., No. 2448 W., dated 13th August 1888. Item No. 1, class B works, budget of 1888-89.
	Presidency.	Fort St. George	4	Converting the old Adjutant-General's office into barracks for single men.	25,097	15,584	3,820	5,400	...	64,900	4	G.O., No. 3000 W., dated 9th November 1887.
1. *Accommodation for troops*— Buildings for Native troops.	Do.	Bangalore ...	5	Additions to public buildings, Madras Infantry Regiment, for a Pioneer Regiment.	30,746	21,903	3,210	5,000	...	5,000	5	G.O., No. 3237 W., dated 12th October 1888. Item No. 2, class A works, budget of 1888-89.
2. *Ordnance works* ...	Bellary ...	Bellary ...	6	New workshops for the Arsenal ...	45,500	6,859	22,650	15,992	...	15,992	6	G.O., No. 3527 W., dated 17th August 1888. Item No. 5, class B works, budget of 1888-89.
				Total ...	...	...	...	85,892	...	85,892		

IMPERIAL.
MILITARY WORKS.

PART

DETAIL OF THE BUDGET-ESTIMATE FOR

CLASS B

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.
					Rs.
				IMPERIAL ORDINARY.	
				Military.	
				Original Works.	
1. *Accommodation for troops*— Buildings for European troops in the plains. Permanent.	Presidency.	B. Fort St. George.	1	Converting the block of buildings containing the main guard, No. 6, Captains' quarters, &c., into barracks for single men.	5,785
	Do. ..	Do. ...	2	Institutes of British Regiments and Batteries in the Presidency.	...
1. *Accommodation for Troops*— Buildings for Native troops.	Presidency.	Bangalore ...	3	Public buildings for a regiment of Native Cavalry.	30,990
	Bellary ...	Bellary ...	4	New saddle rooms for the Madras Cavalry Regiment.	...
	North Arcot.	Vellore ...	5	Providing accommodation in the Fort for two companies, Native Infantry.	...
2. *Ordnance* ...	Bellary ...	Bellary ...	6	Quarters for Warrant and Non-Commissioned officers, Bellary Arsenal.	42,420
	Do. ...	Do. ...	7	Timber-shed, Bellary Arsenal ...	...
	Presidency.	Madras ...	8	Shed for the camp equipage ...	6,935
	Do. ...	Do. ...	9	Workshops, Gun Carriage Factory.	...
			10	Reserve with the Government for incomplete ordnance works.	...
			11	Minor works under Ordnance ...	...
7. *General Cantonment works.*	Bellary ...	Gunfakal ...	12	New rest-house and site for the rest camp.	...
8. *Fortifications* ...	Presidency.	Madras ...	13	Alterations to the Rifle Ranges at Veyssarpandy.	6,076
			14	Reserve with the Government for incomplete major works.	...
			15	Reserve with the Government for incomplete minor works.	...
			16	New minor works	...
				Total ...	...
				Grand Total ...	...

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I—*cont.*

ORIGINAL WORKS FOR THE YEAR 1889-90.

WORKS.

Outlay.		Grant, 1889-90.			Item No.	Remarks and References.
Actual to end of 1887-88.	Probable during 1888-89.	Works in progress.	Works not commenced.	Total.		
Rs.	Rs.	Rs.	Rs.	Rs.		
...	...	...	5,785		1	G.O., No. 2612 W., dated 24th August 1888.
...	...	...	20,000	25,785	2	Estimates are awaited.
...	...	...	20,000		3	G.O., No. 1302 W., dated 25th May 1886. Item No. 41, class C works, budget of 1888-89.
...	...	...	10,000		4	Estimate is awaited.
...	...	...	3,490	33,490	5	Do.
...	...	...	15,000		6	G.O., No. 1650 W., dated 18th June 1887.
...	...	...	2,500		7	Estimate is awaited.
...	...	...	6,935		8	G.O., No. 2558 W., dated 27th September 1887. Item No. 47, class C works, budget of 1888-89.
...	...	...	10,423		9	Estimate is awaited.
...	...	8,050	...		10	
...	...	...	5,000	52,058	11	
...	...	...	6,599		12	Estimate is awaited.
...	...	...	6,076	12,775	13	G.O., No. 3159 W., dated 8th October 1888.
...	...	13,900	...	13,900	14	
...	...	10,000	...	10,000	15	
...	...	...	15,000	15,000	16	
...	...	26,950	1,36,058	1,53,008		
...	...	1,12,842	1,36,058	2,48,900		

IMPERIAL.
MILITARY WORKS.

MADRAS.

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APPENDIX

LIST OF WORKS (OR CLASS C WORKS) OMITTED FROM THE BUDGET-ESTIMATE OF 1889-90, BUT ON CLASS B

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.
					Rs.
				IMPERIAL ORDINARY.	
				Military.	
				Original Works.	
1. *Accommodation for troops—* Buildings for European troops in the plains. Permanent.	Bellary ...	Bellary ...	1	Swimming-bath, British Infantry.	7,644
	Do. ...	Do. ...	2	Alterations and additions to the military prison.	...
	Do. ...	Do. ...	3	Guard-room for the station hospital.	4,290
	Do. ...	Do. ...	4	Infectious disease ward, cook-house and station hospital.	6,140
	Do. ...	Do. ...	5	Purveyor's quarters for the station hospital.	3,046
	Do. ...	Do. ...	6	Reroofing verandah of marriage range, European Infantry Barracks.	13,307
	Nilgiri ...	Wellington ...	7	Quartermaster's stores and office for British Infantry Regiment.	...
	Do. ...	Do. ...	8	A ward to accommodate 35 men, station hospital.	...
	Do. ...	Do. ...	9	Gymnasium, 2nd Royal Fusiliers.	...
	Do. ...	Do. ...	10	Quarters for three hospital purveyors.	4,750
	Do. ...	Do. ...	11	Constructing hut barracks for 500 men.	...
	Do. ...	Ootacamund ...	12	Quarters for a Sub-Conductor attached to the Army headquarters.	...
	Do. ...	Do. ...	13	Converting the Sapper hospital building on Stonehouse Hill into quarters for two Sergeant Instructors, N.V. Rifles.	3,600
	West Coast.	Calicut ...	14	A new barrack with subsidiary buildings for 30 men.	...
	Presidency...	Bangalore ...	15	One block of two quarters for two Sergeants, "Queen's Own" Sappers and Miners.	...
	Do. ...	Do. ...	16	Quarters for Schoolmaster and Schoolmistress, Royal Artillery.	10,240

B.

WHICH EXPENDITURE MAY BE INCURRED DURING THE YEAR BY RE-APPROPRIATION FROM WORKS.

Outlay.		Amount applied for 1889-90.			Item No.	Remarks and References.
Actual to end of 1887-88.	Probable during 1888-89.	Works in progress.	Works not commenced.	Total.		
Rs.	Rs.	Rs.	Rs.	Rs.		
...	...	...	7,644		1	G.O., No. 2434 W., dated 19th October 1886. Item No. 3, class C works, budget of 1888-89.
...	...	...	3,980		2	Estimate is awaited. Item No. 2, class C works, budget of 1888-89.
...	...	...	4,290		3	G.O., No. 1384 W., dated 17th May 1888.
...	...	...	6,140		4	G.O., No. 320 W., dated 7th February 1884. Item No. 1, class C works, budget of 1888-89.
...	...	...	3,046		5	G.O., No. 771 W., dated 7th March 1888.
...	...	...	13,307		6	G.O., No. 3429 W., dated 15th December 1887.
...	...	...	25,000		7	Estimate is awaited.
...	...	...	20,000		8	Do.
...	...	...	10,000		9	Estimate is awaited. Item No. 8, class C works, budget of 1888-89.
...	...	...	4,750		10	G.O., No. 615 W., dated 21st February 1888. Item No. 49, class C works, budget of 1888-89.
...	...	...	10,000		11	Estimate is awaited.
...	...	...	7,500		12	Do.
...	...	...	3,600		13	G.O., No. 1068 W., dated 9th April 1888.
...	...	...	20,000		14	Estimate is awaited. Item No. 9, class C works, budget of 1888-89.
...	...	...	8,000		15	Estimate is awaited.
...	...	...	10,240		16	G.O., No. 2884 W., dated 20th September 1886. Item No. 28, class C works, budget of 1888-89.

IMPERIAL.
MILITARY WORKS.

APPENDIX

LIST OF WORKS (OR CLASS C WORKS) OMITTED FROM THE BUDGET-ESTIMATE OF 1889-90, BUT ON CLASS B

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.
					Rs.
				Brought forward ...	
				IMPERIAL ORDINARY—*cont.*	
				Military—*cont.*	
				Original Works—cont.	
1. *Accommodation for troops*— Buildings for European troops in the plains. Permanent.	Presidency.	Bangalore ...	17	New orderly room or conversion of Quartermaster's stores into orderly room and stores, 12th Lancers.	...
	Do. ...	Do. ...	18	Battery office for Royal Horse Artillery.	5,680
	Do. ...	Do. ...	19	Buildings for Wheeler's shop, Royal Artillery.	...
	Do. ...	Do. ...	20	Quarters for the Senior Apothecary, North Station Hospital.	5,300
	Do. ...	Do. ...	21	Quarters for the Assistant Apothecary, North Station Hospital.	4,773
	Do. ...	Madras ...	22	New military hospital on the site of the old fishing village near the Presidency College.	...
	Do. ...	Fort St. George	23	Wash-houses to be built outside the barracks in lieu of the north and south wash-houses inside.	...
	Do. ...	Do. ...	24	Garrison bazaars to be done away with and new cook-houses to be built on the site.	...
	Do. ...	Do. ...	25	Repairs to floors of B, C, D blocks, family quarters.	...
	Do. ...	Do. ...	26	Construction of coach houses and stables for the use of officers.	...
	Chingleput.	Poonamallee...	27	Warrant officers' quarters ...	...
	Do. ...	Do. ...	28	Two Staff Sergeants' quarters, 1st class.	...
	Do. ...	Do. ...	29	Coffee-shop	...
	Do. ...	Pallávaram ...	30	One mortuary room for each of the three hospitals, Nos. 1 to 3.	...
	Do. ...	St. Thomas' Mount.	31	A wheeler and collar-maker's shop for the west barracks.	5,660

B—*cont.*

WHICH EXPENDITURE MAY BE INCURRED DURING THE YEAR BY RE-APPROPRIATION FROM WORKS—*cont.*

Outlay.		Amount applied for 1889-90.			Item No.	Remarks and References.
Actual to end of 1887-88.	Probable during 1888-89.	Works in progress.	Works not commenced.	Total.		
Rs.	Rs.	Rs.	Rs.	Rs.		
...	...	...	6,500		17	Estimate is awaited. Item No. 29, class C works, budget of 1888-89.
...	...	...	5,680		18	G.O., No. 2906 W., dated 17th September 1888. Item No. 30, class C works, budget of 1888-89.
...	...	...	3,100		19	Estimate is awaited. Item No. 31, class C works, budget of 1888-89.
...	...	...	5,300		20	G.O., No. 3485 W., dated 27th November 1883. Item No. 34, class C works, budget of 1888-89.
...	...	...	4,773		21	G.O., No. 938/2 W., dated 5th April 1884. Item No. 35, class C works, budget of 1888-89.
...	...	...	25,000		22	Estimate is awaited.
...	...	...	2,500		23	Do.
...	...	...	4,500		24	Do.
...	...	...	10,070		25	Estimate is awaited. Item No. 25, class C works, budget of 1888-89.
...	...	...	15,770		26	Estimate is awaited. Item No. 26, class C works, budget of 1888-89.
...	...	...	3,500		27	Estimate is awaited. Item No. 11, class C works, budget of 1888-89.
...	...	...	6,000		28	Estimate is awaited. Item No. 12, class C works, budget of 1888-89.
...	...	...	9,000		29	Estimate is awaited. Item No. 13, class C works, budget of 1888-89.
...	...	...	3,000		30	Estimate is awaited. Item No. 14, class C works, budget of 1888-89.
...	...	...	5,660		31	G.O., No. 2717 W., dated 3rd November 1881. Item No. 15, class C works, budget of 1888-89.

APPENDIX

LIST OF WORKS (OR CLASS C WORKS) OMITTED FROM THE BUDGET-ESTIMATE OF 1889-90, BUT ON CLASS B

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.
					Rs.
				Brought forward ...	
				IMPERIAL ORDINARY—*cont.*	
				Military—*cont.*	
				Original Works—cont.	
1. *Accommodation for troops*— Buildings for European troops in the plains. Permanent.	Chingleput.	St. Thomas' Mount.	32	Sergeants' Mess for east barracks.	5,450
	Do. ...	Do. ...	33	Quarters for three Medical Subordinates attached to the station hospital.	...
	Do. ...	Do. ...	35	Battery office for P/1st Royal Artillery, east barracks.	3,700
	Do. ...	Do. ...	36	Raising the roof of harness-room, Troop lines.	4,200
Buildings for Native troops.	Vizagapatam	Vizianagrum.	37	Regimental store for Native Infantry, including storage for camp equipage.	3,480
	Bellary ...	Bellary ...	38	New wing places-of-arms for two regiments, Madras Infantry.	...
	Do. ...	Do. ...	39	School-house for Native Infantry Regiment.	3,030
	Nilgiri ...	Wellington ...	40	Quarters for 32 men, Army hospital, Native corps.	...
	West Coast.	Quilon ...	41	Armourers' shop	2,489
	Do. ...	Cannanore ...	42	Quarters for eleven men of the Army hospital, Native corps.	...
	Chingleput.	Pallávaram ...	43	Magazine for Madras Infantry Regiment.	4,900
	Do. ...	Do. ...	44	Armourers' shop for Madras Infantry Regiment.	2,850
2. *Ordnance works.*	Do. ...	St. Thomas' Mount.	45	Wooden shed at the proof range ...	2,820
	Presidency.	Madras ...	46	Constructing a coal store ...	...
	Do. ...	Do. ...	47	Providing sun-shades to doors and windows in the Ordnance lines.	4,160

B—*cont.*

WHICH EXPENDITURE MAY BE INCURRED DURING THE YEAR BY RE-APPROPRIATION FROM WORKS—*cont.*

Outlay.		Amount applied for 1889-99.			Item No.	Remarks and References.
Actual to end of 1887-88.	Probable during 1888-89.	Works in progress.	Works not commenced.	Total.		
Rs.	Rs.	Rs.	Rs.	Rs.		
...	...	...	5,450		32	G.O., No. 1118 W., dated 14th April 1888. Item No. 16, class C works, budget of 1888-89.
...	...	...	8,000		33	Estimate is awaited. Item No. 17, class C works, budget of 1888-89.
...	...	...	12,000		34	Estimate is awaited. Item No. 18, class C works, budget of 1888-89.
...	...	...	3,700		35	G.O., No. 1502 W., dated 28th May 1888. Item No. 20, class C works, budget of 1888-89.
...	...	...	4,200		36	G.O., No. 3137 W., dated 17th December 1881. Item No. 21, class C works, budget of 1888-89.
...	...	...	3,480		37	G.O., No. 2628 W., dated 27th October 1884. Item No. 36, class C works, budget of 1888-89.
...	...	...	60,000		38	Estimate is awaited.
...	...	...	3,030		39	G.O., No 149 W., dated 17th January 1884. Item No. 37, class C works, budget of 1888-89.
...	...	...	12,380		40	Estimate is awaited.
...	...	...	2,489		41	G.O., No. 3772 W., dated 29th November 1888.
...	...	...	3,670		42	Estimate is awaited.
...	...	...	4,900		43	G.O., No. 234 W., dated 8th February 1886. Item No. 39, class C works, budget of 1888-89.
...	...	...	2,850		44	G.O., No. 3149 W., dated 22nd December 1884. Item No. 40, class C works, budget of 1888-89.
...	...	...	2,820		45	G.O., No. 3077 W., dated 18th December 1884. Item No. 48, class C works, budget of 1888-89.
...	...	...	10,000		46	Estimate is awaited.
...	...	...	4,160		47	G.O., No. 2248 W., dated 22nd August 1887. Item No. 46, class C works, budget of 1888-89.

LIST OF WORKS (OR CLASS C WORKS) OMITTED FROM THE BUDGET ESTIMATE OF 1889-90, BUT ON CLASS B

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.
					Rs.
				Brought forward ...	
				IMPERIAL ORDINARY—*cont.*	
				Military—*cont.*	
				Original Works—cont.	
3. *Commissariat buildings.*	Nilgiri ...	Wellington ...	48	Quarters for a Milling Engineer, Commissariat Department.	...
	West Coast.	Calicut ...	49	A bakery	...
	Do ...	Malapuram ...	50	Cattle-shed for the Commissariat Department.	2,824
	Do. ...	Do. ...	51	Sheds for 12 bullocks and 10 mules.	3,000
	Chingleput.	Guindy ...	52	Quarters for the station butcher attached to the slaughter-house.	3,468
	Do. ...	Saidápet ...	53	Constructing a new road from the Mount Road direct to the slaughter-house.	...
	Presidency.	Madras ...	54	Workshops and sheds for carts and cattle, Transport Department.	...
	Do. ...	Do. ...	55	Mule-shed at Transport lines, Pudupet.	...
	Do. ...	Do. ...	56	Quarters for two Staff Sergeants at Pudupet.	...
	Do. ...	Do. ...	57	Quarters for a Conductor, Commissariat Department.	...
	Do. ...	Do. ...	58	Constructing a wheat godown at Teynampet.	5,800
	Do. ...	Bangalore ...	59	Quarters for a Conductor, Transport Department.	...
	Do. ...	Do. ...	60	Quarters for an Ambulance Sergeant near Cattle lines, Transport Department.	12,350
4. *Staff and Miscellaneous.*	Nilgiri ...	Ootacamund ...	61	Water-supply, Lawrence Asylum.	3,000
	Do. ...	Do. ...	62	Constructing a latrine for the boys at the Lawrence Asylum.	2,846
7. *General Cantonment works.*	Presidency.	Bangalore ...	63	Drainage of Royal Horse Artillery grass-cutters' lines at Ulsoor and preventing the fouling of the adjacent nullah.	

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B—*cont.*

WHICH EXPENDITURE MAY BE INCURRED DURING THE YEAR BY RE-APPROPRIATION FROM WORKS—*cont.*

Outlay.		Amount applied for 1889-90.			Item No.	Remarks and References.
Actual to end of 1887-88.	Probable during 1888-89.	Works in progress.	Works not commenced.	Total		
Rs.	Rs.	Rs.	Rs.	Rs.		
...	...	...	7,500		48	Estimate is awaited.
...	...	...	6,800		49	Do.
...	...	...	4,000		50	Estimate is awaited. Item No. 50, class C works, budget of 1888-89.
...	...	...	2,000		51	G.O., No. 1215 W., dated 27th April 1888.
...	...	...	3,600		52	G.O., No. 1259 W., dated 30th April 1888. Item No. 52, class C works, budget of 1888-89.
...	...	...	3,468		53	G.O., No. 534 W., dated 16th February 1888.
...	...	...	20,000		54	Estimate is awaited. Item No. 55, class C works, budget of 1888-89.
...	...	...	11,210		55	Estimate is awaited.
...	...	...	3,500		56	Do.
...	...	...	4,000		57	Estimate is awaited. Item No. 56, class C works, budget of 1888-89.
...	...	...	5,950		58	Estimate is awaited. Item No. 57, class C works, budget of 1888-89.
...	...	...	5,800		59	G.O., No. 992 W., dated 16th April 1888. Item No. 58, class C works, budget of 1888-89.
...	...	...	3,000		60	Estimate is awaited. Item No. 54, class C works, budget of 1888-89.
...	...	...	12,350		61	G.O., No. 2139 W., dated 14th July 1888. Item No. 62, class C works, budget of 1888-89.
...	...	...	3,000		62	G.O., No. 2139 W., dated 14th July 1888.
...	...	...	2,846		63	G.O., No. 1261 W., dated 1st May 1888. Item No. 32, class C works, budget of 1888-89.

APPENDIX.

LIST OF WORKS (OR CLASS C WORKS) OMITTED FROM THE BUDGET-ESTIMATE OF 1889-90, BUT ON CLASS B

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.
				Brought forward ...	Rs.
				IMPERIAL ORDINARY—*cont.*	
				Military—*cont.*	
				Original Works—cont.	
7. *General Cantonment works.*	Presidency.	Bangalore ...	64	Drainage, British Infantry Barracks.	8,112
	Do. ...	Fort St. George	65	Remodelling the drainage ...	...
	Do. ...	Madras ...	66	Flushing drains of Native Infantry lines at Ráyapuram.	4,300
	Chingleput.	St. Thomas' Mount.	67	General improvements to the drains of the cantonment.	...
8. *Fortifications* ...	West Coast.	Malapuram ...	68	Constructing a fortified post ...	8,248
	North Arcot.	Vellore Fort.	69	Constructing draw-bridge ...	6,450
	Presidency.	Fort St. George	70	Demolition of Wallajah ravelin and two lunettes.	...
	Do. ...	Do. ...	71	Constructing a draw-bridge at the north gate.	4,487
	Do. ...	Do. ...	72	Demolition of out-houses, clearance of ditch and completion of walls.	...

B—*cont.*

WHICH EXPENDITURE MAY BE INCURRED DURING THE YEAR BY RE-APPROPRIATION FROM WORKS—*cont.*

Outlay.		Amount applied for 1889-90.			Item No.	Remarks and References.
Actual to end of 1887-88.	Probable during 1888-89.	Works in progress.	Works not commenced.	Total.		
Rs.	Rs.	Rs.	Rs.	Rs.		
...	...	...	8,112	...	64	G.O., No. 2615 W., dated 24th August 1888. Item No. 33, class C works, budget of 1888-89.
...	...	...	10,000	...	65	Estimate is awaited. Item No. 28, class C works, budget of 1888-89.
...	...	...	4,300	...	66	G.O., No. 1397 W., dated 4th June 1884. Item No. 42, class C works, budget of 1888-89.
...	...	...	10,000	...	67	Estimate is awaited. Item No. 19, class C works, budget of 1888-89.
...	...	...	8,248	...	68	G.O., No. 3114 W., dated 18th November 1887. Item No. 58, class C works, budget of 1888-89.
...	...	...	5,000	...	69	G.O., No. 528 W., dated 7th March 1885. Revised estimate is awaited. Item No. 12, class B works, budget of 1888-89.
...	...	...	7,426	...	70	Estimate is awaited. Item No. 59, class C works, budget of 1888-89.
...	...	...	4,487	...	71	G.O., No. 2447 W., dated 13th August 1888. Item No. 60, class C works, budget of 1888-89.
...	...	...	10,000	...	72	Estimate is awaited. Item No. 61, class C works, budget of 1888-89.

Preliminary Issue

Imperial
Military Works

1.

Madras.

3995/13

Public Works Department.

Imperial Budget-Estimate
of
Military Works
of the
Government of Madras
for the year
1889-90.

Chepak
December 1888.

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

Imperial
Military Works

Madras.

3945/14

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Imperial
Military Works 3 Madras.

Revenue.

Abstract of the Budget-Estimate of Revenue of the Public Works Department from Military Works in Madras from 1st April 1889 to 31st March 1890.

	Actuals 1887-88	Budget Estimate 1888-89	Revised Estimate 1888-89	Budget Estimate 1889-90
	Rs.	Rs.	Rs.	Rs.
In Public Works Department	26,973	27,800	27,000	27,000
In Civil and Military Department	"	"	"	"
Total	26,973	27,800	27,000	27,000

Charges

Abstract of the Budget Estimate of Expenditure of the Public Works Department of Military Works in Madras from 1st April 1889 to 31st March 1890.

		Reference to Detailed Estimate	Actuals 1887-88	Budget Estimate 1888-89	Revised Estimate 1888-89	Budget Estimate 1889-90
			Rs.	Rs.	Rs.	Rs.
Original Works	In progress	"	1,30,814	2,08,550	2,15,072	112,842
	Not commenced	"				136058
Repairs	Ordinary	"	2,96,676	3,00,000	2,93,400	3,00,000
	Special	"				
Establishment		"	78,303	1,08,755	1,08,742	1,27,600
Tools and Plant		"	6,323	6,995	6,994	8,200
Suspense Account		"	"	"	"	"
Total		"	5,32,036	6,24,300	6,24,228	6,84,700

Imperial
Military Works 4 Madras.

Abstract of the charges to be incurred by the Public Works Department from Imperial Funds and Contributions in both India and England.

	Budget-Estimate 1889-90.											
	Actuals 1887-88	Budget Estimate 1888-89	Revised Estimate 1888-89	Original Works In progress	Original Works Not commenced	Original Works Total	Repairs	Establishment	Tools and Plant	Suspense Account	Buildings & Roads	Total
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Provision from Imperial Funds												
In India	528310	624300	624228	112842	136058	248900	300000	127600	8200	"	"	684700
In England	"	"	"	"	"	"	"	"	"	"	"	"
Total	528310	624300	624228	112842	136058	248900	300000	127600	8200	"	"	684700
Provision from Contributions												
In India	3726	"	"	"	"	"	"	"	"	"	"	"
Grand Total	532036	624300	624228	112842	136058	248900	300000	127600	8200	"	"	684700

Statement showing the works on which outlay in England alone provided for is to be incurred.

	Budget Estimate 1889-90					
	Actuals 1887-88	Budget Estimate 1888-89	Revised Estimate 1888-89	Original Works. In progress	Original Works. Not commenced	Original Works. Total

Nil

Imperial
Military Works.

5

Madras.

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3945/15

Part I

Detail of the Budget Estimate for Original Works for the year 1889-90.

Class A Works.

Head of Classification	Executive Division	Locality	Item No:	Projects and Works	Amount of Estimate	Outlay Actual to end of 1887-88	Outlay Probable during 1888-89	Grant, 1889-90 Works in progress	Grant, 1889-90 Works not commenced	Grant, 1889-90 Total.	Item No:	Remarks and References.
				Imperial Ordinary Military Original Works.								
1. Accommodation for troops Buildings for Europeans troops on the plains, Permanent	West Coast	Malapuram	1	Barracks for a detachment, British Infantry to accommodate 100 artillerymen	191,412	✓ 139,673	✓ 20,000	✓ 20,000			1	G.O. No: 3737 Way 27th Nov. 1888. Item No: 2, Class A Works, Budget of 1888-89.
	Chingleput	Poonamallee	2	New barracks	166,885	✓ 6,607	20,000	30,000			2	G.O. No: 465 Way 19th February 1889. Revised estimate is awaited. Item No: 2, Class A Works, Budget of 1889-90.
	Nilgiri	Wellington	3	Quarters for three apothecaries	16,000		6,500	9,500			3	G.O. No: 2448 Way 13th August 1888. Item No: 9, Class B Works, Budget of 1888-89.
	Presidency	Fort St George	4	Converting the old Adjutant Genl's office into barracks for single men	25,917	15,586	3,820	6,400		64902	4	G.O. No: 3000 Way 9 November 1887.
1. Accommodation for troops Buildings for native troops	Do	Bangalore	5	Additions to public buildings Madras Infantry Regiment for a Pioneer Regiment	30,346	21,903	3,210	5,000		5,000	6	G.O. No: 3237 Way 12th October 1888. Item No: 3 Class A Works, Budget of 1888-89.
2. Ordnance Works	Bellary	Bellary	6	New workshops for the Arsenal	45,500	6,889	22,650	15,992		15,992	6	G.O. No: 2527 Way 17th August 1888. Item No: 5 Class B Works Budget of 1888-89.
				Total				85,892		85,892		

Imperial
Military Works.

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Part I.

Detail of the Budget Estimate for 1889-90.
Class B
Original Works for the year 1889-90.
Works.

8

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Head of Classification	Executive Division	Locality	Item No.	Propets and Works	Amount of Estimate	Outlays Actual to end of 1887-88	Outlays Probable during 1888-89	Grant, 1889-90. Works in progress	Grant, 1889-90. Works not Commenced	Grant, 1889-90. Total	Item No.	Remarks and References.
1. Accommodation for troops Building for European troops on the plains Permanent.	Bellary	Fort St. George	1	Imperial Ordinary Military original Works. Converting the block of building containing the main guard, Adjutant's quarters &c into barracks for single men	5,785				"	5,785	1	G.O. No: 2812 W dy 24th August 1888.
			2	Institutes of British Regiments and Batteries on the Presidency	"				"	26,785	2	Estimates are awaited.
Buildings for Native Troops	Presidency	Bangalore	3	Public buildings for a regiment of Native Cavalry	30,990				20,000		3	G.O. No: 1302 W dy 25th May 1888. Item No: 21, Class C Works, Budget of 1888-89.
	Bellary	Bellary	4	New saddle rooms for the Madras Cavalry Regiment	"				10,000		4	Estimate is awaited.
	North Arcot	Vellore	5	Providing accommodation in the Fort for two companies, Native Infy	"				3,490	33,490	5	Do.
2. Ordnance	Bellary	Bellary	6	Quarters for warrant and non commissioned officers, Bellary Arsenal	42,420				15,000		6	G.O. No: 1650 W dy 18th June 1887
	Do.	Do	7	Timber shed, Bellary Arsenal	"				2,570		7	Estimate is awaited. Do.
	Presidency	Madras	8	Shed for the camp Equipages	6,935				6,935		8	G.O. No: 2558 W dy 27th September 1887. Item No: 47 Class C Works, Budget of 1888-89.
	Presidency	Madras	9	Workshops, Gun Carriage Factory	"				19,483		9	Estimate is awaited.
			10	Reserve with the Govt. for incomplete Ordnance Works.	"				3,050		10	
			11	Minor Works under Orders							11	

Imperial
Military Works.

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Part

Detail of the Budget Estimate for
Class B

Head of Classification	Executive Division	Locality	Item No:	Projects and Works	Amount of Estimate
				Imperial Ordinary Military Original Works.	
7. General Cantonment Work	Bellary	Guntakal	12	New Rest House and site for the Rest Camp	"
8. Fortifications	Presidency	Madras		Alterations to the Light House at Vyasarpandy	6,076
			14	Reserve with the Govt. for incomplete major works.	"
			15	— do — do — minor works.	"
			16	New minor works	"
				Total	"
				Grand Total	"

Madras

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I.

Original Works for the year 1889-90
Works.

Outlay		Grant, 1889-90			Item No:	Remarks and References.
Actual to end of 1887-88	Probable during 1888-89	Works in progress	Works not commenced	Total		
		2,050	1,09,283	1,11,333		
		—	1699		12	Estimate is awaited.
		"	6,076		13	G. O. No. 3150 W dy 8 October 1888.
				12,775		
		"	13,900	13,900	14	
		"	10,000	10,000	15	
		"	"	15,000	16	
		"	26,950	1,36,058	1,63,008	
		"	1,12,842	1,31,058	3,48,900	

Appendix B. 12

Estimate of 1889-90, List of Works (or Class C Works) omitted from the Budget of 1889-90, but on which expenditure may be incurred during the year by reappropriation from Class C Works.

3945/17

Head of Classification	Execution Division	Locality	Item No.	Projects and Works	Amount of Estimate	Outlay Actuals to end of 1887-88	Outlay Probable during 1888-89	Amount applied for, 1889-90 Works in progress	Amount applied for, 1889-90 Works not commenced	Total	Item No.	Remarks and References.
				Imperial Ordinary Military Original Works.								
Accommodation for troops, Building for European troops in the plains, Permanent	Bellary	Bellary	1	Swimming bath, British Infantry	7,644					7,644	1	G.O. No: 2434 Way 19th October 1885. Item No: 2 Class C Works, Budget of 1888-89. Estimate is awaited. Item No: 2, Class C
	Do	Do	2	Alterations and additions to the Military prison	"	"	"	"	3,980	"	2	Works, Budget of 1888-89.
	Do	Do	3	Guard room for the station hospital	4,290	"	"	"	4,290	"	3	G.O. No: 1384 Way 17th May 1888.
	Do	Do	4	Infectious disease ward, cook house and station hospital	6,140							G.O. No: 320 Way 7th February 1884. Item No: 1
	Do	Do		Quarters for Band Master, British Infantry	4,075	"	"	"	6,140	"	4	Class C Works, Budget of 1888-89.
	Do	Do		Quarters for school master, British Infantry Regiment	"	"	"	"	4,075	"		Estimate is awaited. Item No: 6, Class C
	Do	Do		Quarters for school mistress, British Infantry Regiment	"	"	"	"	2,950	"		Works, Budget of 1888-89.
	Do	Do	5	Surveyors quarters for the station hospitals	3,046	"	"	"	2,950	"		Estimate is awaited. Item No: 7, Class C Works, Budget of 1888-89.
	Do	Do	6	Verandahs and Arcades of married ranges European Infantry Barracks	13,307	"	"	"	3,046	"	5	G.O. No: 771 Way 7th March 1888.
Nilgiri	Wellington		7	Quartermasters stores and offices for British Infantry Regiment	"	"	"	"	13,307	"	6	G.O. No: 3420 Way 16th December 1887.
	Do	Do	8	A ward to accommodate 35 men station hospital	"	"	"	"	25,000	"	7	Estimate is awaited.
	Do	Do	9	Gymnasium, 2nd Royal Sussex	4,750	"	"	"	20,000	"	8	Do
	Do	Do	10	Quarters for 3 Hospital sergeants	"	"	"	"	4,750	"	9	Estimate is awaited. Item No: 8, Class C Works Budget of 1888-89.
	Do	Do	11	Cook house barracks for 400 men	"	"	"	"	10,000	"	10	G.O. No: 816 Way 21st May 1888. Item No: 4 Class C Works, Budget of 1888-89.
											11	Estimate is awaited.

Imperial
Military Works

3945/18

Appendix B.

List of Works (or Class b Works) omitted from the Budget Estimate of 1889-90 but on which expenditure may be incurred during the year by reappropriation from Class B Works

Hazard of classification	Executive Division	Locality	Item No.	Project and Works	Amount of Estimate	Outlay Actual to end of 1887-88	Outlay Probable during 1888-89	Amount applied for, 1889-90 Works in progress	Amount applied for, 1889-90 Works not Commenced	Total	Item No.	Remarks and References.
				Imperial or Ordinary Military original Work								
1. Accommodation for troops, Buildings for European troops in the plains, Permanent	Nilgiri	Ootacamund	12	Quarters for a sub-Conductor attached to the Army Bearer Quarters					7,500	12		Estimate is awaited.
	Do	Do	13	Converting the sapper hospital building on Stone House Hill into quarters for Sapper Instructors, M.V. Rifles	3,600				3,600	13		G.O. No: 1068 W dated 9th April 1888.
	West Coast	Belgaum	14	A new barrack with subsidiary buildings for 30 men					20,000	14		Estimate is awaited. Item No: 9, Class C Works, Budget of 1888-89.
	Presidency	Bangalore	15	One block of two quarters for the Superintendent Lascars Drivers Sappers and Miners					3,000	15		Estimate is awaited.
	Do	Do	16	Quarters for schoolmaster and schoolmistress, Royal Artillery	10,240				10,240	16		G.O. No: 2384 Ways & Works, dated 5th September 1888. Item No: 29, Class C Works, Budget of 1888-89
	Do	Do	17	New orderly room or conversion of Quarter Master's house into orderly room & store Pilcon					1,500	17		Estimate is awaited. Item No: 29, Class C Works, Budget of 1888-89.
	Do	Do	18	Battery office for Royal Horse Artillery	5,680				5,680	18		G.O. No: 2901 W & M, dated 5th Septr 1888. Item No: 30, Class C Works, Budget of 1888-89
	Do	Do	19	Buildings for instrument shop, Royal Artillery					3,150	19		Estimate is awaited. Item No: 31, Class C Works, Budget of 1888-89
	Do	Do	20	Quarters for the senior apothecary North Station Hospital	5,300				5,300	20		G.O. No: 3385 W & M, dated 20th November 1888. Item No: 34, Class C Works, Budget of 1888-89.
	Do	Do	21	Quarters for the Assistant Apothecary North Station Hospital	4770				4770	21		G.O. No: 938 W & M, dated 5th April 1888. Item No: 25, Class C Works, Budget of 1888-89.
	Do	Madras	22	New Military Hospital on the site of the old fishing village near the Bunder Road					25,000	22		Estimate is awaited.
	Do	Fort St. George	23	Watch towers to be built outside the barracks in lieu of the north and south guard houses inside					2,500	23		Estimate is awaited
	Do	Do	24	Garrison bazaars to be done away with and new ones to be built on the site					4,500	24		Do

Imperial
Military Works

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Madras.

3945/19

Appendix B

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List of Works (or Class C Works) omitted from the Budget Estimate of 1889-90 on which expenditure may be incurred during the year by reappropriation from Class B Works.

Head of classification	Executive Division	Locality	Item No:	Projects and Works	Amount of Estimate	Outlay Actuals 1887-88	Outlay Probable during 1888-89	Amount applied for, 1889-90 Works in progress	Amount applied for, 1889-90 Works not commenced	Total	Item No:	Remarks and References.
												Estimate is awaited. Item No: 25, Class C Works
1. Accommodation for two buildings for European troops in the plains. Permanent.	Presidency	Fort St. George	25	Repairs to floors of B. & F. Blocks					10,070		25	Budget of 1888-89. Estimate is awaited. Item No: 26, Class C Works
	Do	Do	26	Construction of quarters and stables for the use of officers					15,770		26	Works Budget of 1888-89.
	Ching leput	Tonnamallee	27	Warrant officers' quarters					3,500		27	Estimate is awaited. Item No: 11, Class C Works, Budget of 1888-89.
	Do	Do	28	Two staff Sergeants' quarters, 1st class					6,000		28	Estimate is awaited. Item No: 13, Class C Works, Budget of 1888-89.
	Do	Do	29	Coffee shop					9,000		29	Estimate is awaited. Item No: 15, Class C Works, Budget of 1888-89.
	Vellore	Vellore	30	New mortuary room for east of the hospitals, Nos: 1 to 3					8,000		30	Estimate is awaited. Item No: 14, Class C Works, Budget of 1888-89. G. O. No: 2717 Way 3rd November 1884. Item No: 15, Class C Works, Budget of 1888-89.
	Do	St. Thomas Mount	31	Asbestos and other materials for the West Barracks	5,660				5,660		31	C Works, Budget of 1888-89.
	Do	Do	32	Sergeants' mess for east barracks	5,450				5,450		32	G.O. No: 1113 Way 21st April 1888. Item No: 16, Class C Works, Budget of 1888-89. Estimate is awaited. Item No: 17, Class C Works
	Do	Do	33	Quarters for 3 medical subordinates attached to the Station hospitals					8,000		33	Budget of 1888-89. Estimate is awaited. Item No: 18, Class C Works
	Do	Do	34	Quarters for head-quarter staff Royal Artillery					12,000		34	Budget of 1888-89. G.O. No: 1552 Way 28th May 1888. Item No: 19, Class C Works
	Do	Do	35	Battery offices for 6 Coys Royal Artillery Coast Barracks	3,700				3,700		35	C Works, Budget of 1888-89. G.O. No: 3187 Way 17th December 1887. Item No: 20, Class C Works
	Do	Do	36	Raising the roof of Lancers room Troop lines	4,200				4,200		36	Class C Works, Budget of 1888-89. G.O. No: 2625 Way 27th October 1884. Item No: 36, Class C Works
Buildings for Native Troops	Vizagapatam	Vizianagram	37	Regimental stores for Native Infantry including storage for Camp Equipage	3,450				3,450		37	Class C Works, Budget of 1888-89.
	Bellary	Bellary	38	New mining places of arms for two regiments, Madras Infantry					60,000		38	Estimate is awaited.
	Do	Do	39	School House for Native Infantry Regiment	3,000				3,030		39	G.O. No: 149 Way 17th January 1884. Item No: 37, Class C Works, Budget of 1888-89.
	Nilgiris	Wellington	40	Quarters for 32 more Army Hospital Native Corps					12,380		40	Estimate is awaited.
West Coast	Cuddalore		41	Armourers' shop	2,489				2,489		41	G.O. No: 3772 Way 29th November 1888.

Imperial
Military Works.

Appendix

List of Works (or Class B Works) omitted from the Budget Estimate of 1889-90 but which expenditure may be incurred during the year by reappropriation from Class B Works.

Head of Classification	Executive Division	Locality	Item No.	Projects and Works.	Amount of Estimate	Outlay to end of 1887-88	Actual Outlay during 1888-89	Amount applied for 1889-90 Works in progress	Amount applied for 1889-90 Works not commenced	Total	Item No.	Remarks and References.
				Imperial Ordinary Military Original Works.								
1. Accommodation for troops. Building for Native Troops.	West Coast	Cannanore	42	Quarters for a mess of the Army Hospital							42	Estimate is awaited.
				Native troops	"							
	Chingleput	Pallavaram	43	Magazine for Madras Infantry Regiment	4,900			3,670			43	G.O. No: 334 Wof 6th February 1886. Item No: 39 Class C Works Budget of 1886-87
	Do	Do	44	Armourer's shop for Madras Infantry Regiment	2,880			4,900			44	G.O. No: 349 Wof 22nd Dec 1884. Item No: 40 Class C Works Budget of 1885-86
2. Ordnance Works	Bellary	Bellary		Six double quarters for staff Sergeant, Ordnance Department	42,640			2,880				G.O. No: 1520 Wof 18th June 1887. Item No: 42 Class C Works Budget of 1888-89
	Chingleput	St. Thomas Mt.	45	Wooden shed at the proof range	2,820			22,500			45	G.O. No: 1477 Wof 13th December 1886 Item No: 45 Class C Works Budget of 1888-89
	Presidency	Madras	46	Constructing a confectionery				2,820			46	Estimate is awaited.
	Do	Do	47	Providing new shades to doors and windows in the Ordnance Lines	4,160			4,160			47	Class C Works, Budget of 1888-89.
3. Commissariat Buildings.	Nilgiri	Wellington	48	Quarters for a milling Engineer, Commissariat Department.	"			7,500			48	Estimate is awaited.
	West Coast	Calicut	49	A bakery	"			6,860			49	Do
	Do	Malapuram	50	Cattle shed for the Commissariat Department	"			4,000			50	Estimate is awaited. Item No: 50 Class C Works, Budget of 1888-89.
	Do	Do	51	Sheds for 12 bullocks and 10 mules	2,824			2,000			51	G.O. No: 1246 Wof 27th April 1888.
	Chingleput	Cheyoody	52	Quarters for the station butcher attached to the slaughter house	3,600			3,600			52	G.O. No: 1257 Wof 30th April 1888. Item No: 51. Class C Works, Budget of 1888-89.
	Do	Saidapet	53	Constructing a new road from the Mount Road direct to the slaughter house	3,468			3,468			53	G.O. No: 534 Wof 16th February 1888.
	Presidency	Madras	54	Workshops and sheds for carts and cattle, Transport Department	"			20,000			54	Estimate is awaited. Item No: 55 Class C Works Budget of 1888-89.
	Do	Do	55	Mule shed at Transport Lines, Purdypet	"			11,210			55	Estimate is awaited.
	Do	Do	56	Quarters for two staff sergeants at Purdypet.	"			3,500			56	Do.

Madras
3945
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Imperial
Military Works.

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Appendix B.

List of Works (or Class b Works) omitted from the Budget Estimate for 1889-90 but on which expenditure may be incurred by reappropriation from Class B Works.

Head of Classification	Executive Division	Locality	Item No.	Projects and Works	Amount of Estimate	Outlay actual to end of 1887-88	Outlay probable during 1888-89	Amount applied for, 1889-90: Works in progress	Amount applied for, 1889-90: Works not commenced	Amount applied for, 1889-90: Total	Item No.	Remarks and References.
				Imperial Ordinary Military Original Works.								
3. Commissariat Buildings.	Presidency	Madras	57	Quarters for a Conductor, Commissariat Department	"	"	"	"	4,000		57	Estimate is awaited. Item No: 56, Class b Works, Budget of 1888-89.
	Do	Do	58	Constructing a wheat godown at Teynampet.	"	"	"	"	5,950		58	Estimate is awaited. Item No: 57. Class C Works, Budget of 1888-89.
	Do	Do	59	Quarters for a Conductor, Transport Department	"	"	"	"			59	G.O. No: 992 May 16th April 1888. Item No: 58 Class b Works, Budget of 1888-89.
	Do	Do	60	Quarters for an Ambulance Sergeant near cattle lines, Transport Department	"	"	"	"			60	Estimate is awaited. Item No: 59, Class C Works, Budget of 1888-89.
4. Staff & miscellaneous	Nilgiri	Ootacamund	61	Water supply, Lawrence Asylum	12,350	"	"	"	3,000		61	G.O. No: 2139 of 14th July 1888. Item No: 60, Class C Works, Budget of 1888-89
	Do	Do	62	Constructing a latrine for the boys at the Lawrence Asylum	3,000	"	"	"	12,350		62	G.O. No: 2139 May 14th July 1888
7. General Cantonment Works	Presidency	Bangalore	63	Drainage of Royal Horse Artillery grass cutters' lines at Ulsoor and preventing the fouling of the adjacent nullah	2,846	"	"	"	3,000			G.O. No: 1261 May 1st May 1888. Item No: 32, Class b Works, Budget of 1888-89
	Do	Do	64	Drainage, British Infantry Barracks	8,112	"	"	"	2,846		63	
	Do	Fort St George	65	Remodelling the drainage	"	"	"	"	8,112		64	G.O. No: 2610 of 24th August 1888. Item No: 63 Class C Works, Budget of 1888-89.
	Do	Madras	66	Flushing drains of Native Infantry lines at Royapuram	4,300	"	"	"	10,000		65	Estimate is awaited. Item No: 23 Class C Budget G.O. No: 1397 of 4th June 1888. Item No: 42 Class b Works, Budget of 1888-89
	Shivaroy Peth	St. Thomas' Mount	67	General improvements to the drains of the Cantonment	"	"	"	"	4,300		66	
									10,000		67	Estimate is awaited. Item No: 17, Class b Works, Budget of 1888-89

20 Madras.

3995/87

Imperial
Military Works

Madras

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Appendix

List of Works (or Class C Works) omitted from the Budget Estimate of 1889-90

Class B

Head of Classification	Executive Division	Locality	Item No.	Projects and Works.	Amount of Estimate	Outlay Actual to end of 1887-88	Outlay Probable during 1888-89	Amount applied for 1889-90 Works in progress	Amount applied for 1889-90 Works not Commenced	Est	Item No.	Remarks and References.
				Imperial Ordinary Military Original Works.								
8. Fortifications	West Coast	Malapuram	68	Constructing a fortified post	8,248	-	-	-	8,248	68		G.O. No: 3114 Way 18th November 1887. Item No: 58 Class C Works, Budget of 1887-88
	North Arcot	Vellore Fort	69	Constructing Draw Bridge	6450	-	-	-	5,000	69		G.O. No: 528 Way 7th March 1885. Revised Estimate is awaited. Item No: 12 Class B Works, Budget of 1888-89
	Presidency	Fort St George	70	Demolition of Wallajah ravelin and two lunettes	-	-	-	-	7,426	70		Estimate is awaited. Item No: 59 Class C Works, Budget of 1888-89
	Do	Do	71	Constructing a draw bridge at the North Gate	4,487	-	-	-	4,487	71		G.O. No: 2447 May 13th August 1888 Item No: 60 Class C Works, Budget of 1888-89.
	Do	Do	72	Demolition of out houses, clearance of ditch and completion of walls	-	-	-	-	10,000	72		Estimate is awaited. Item No: 61 Class C Works, Budget of 1888-89

11/15/15

Imperial Military works. Third Circle.

Part I

Detail of the Budget estimate for Original works for the year 1889-90

3942/95

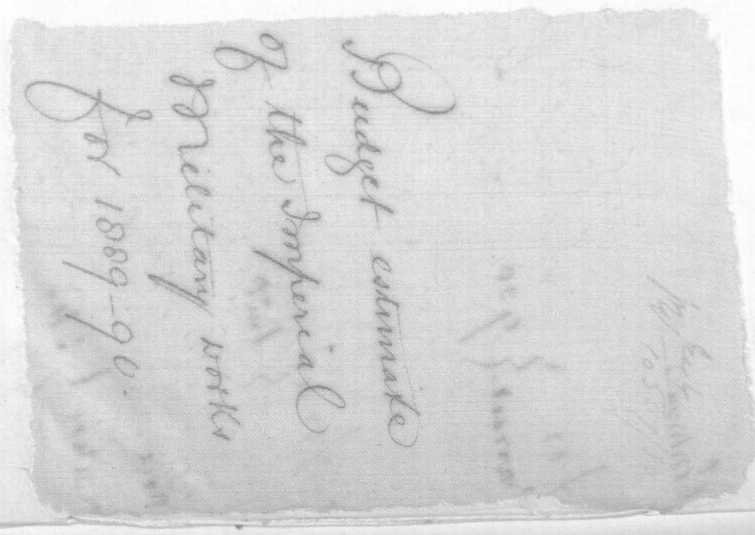
Head of Classification	Executive Division	Locality	Item No.	Projects & works	Amount of Estimate	Outlay Credited to 1887-88	Outlay Credited during 1888-89	Grants for 1889-90 Works in progress	Grants for 1889-90 Works not commenced	Grants for 1889-90 Total	Item No	Remarks & references.
Buildings for European Troops in the plains.				Military Original works. Major.								
Permanent Accommodation for Native troops.	Vizagapatam	Vizianagaram	1	Regimental Store Room for Native Infantry including Storeys for Camp equipage.	3480	-	-	-	3480		1	G.O. No 2628 W dy 27/6/84
				Minor works								
Commissariat Buildings.	Ganjam	Berhampore	2	Construction of a Commissariat Store room & office in the Compound of the Military Hospital	2290	-	-	-	2290		2	G.O. No 316 W dy 22/11/87.
Accommodation for Native Troops	—Do—	—Do—	3	Extension of the Main drain of the Regimental Lines.	1000	-	-	-	1000		3	

Head of Classification	Executive Division	Locality	Item No.	Projects & works.		Amount of estimate	Outlay Actuals to end of 1888-89	Outlay Probable during 1889-90	Grant for 1889-90 Works in progress.	Works not Commenced	Total	Item No.	Remarks & References
				Minor works (Continued)									
	Cuttack	Berhampore	4	Construction of a well for public use near	Barracks	920	-	-	-	920		4	Sanctioned by Wm Walsh Esq Engineer according to the powers vested in him under G.O No 1349 W of 8-5-88.
1 Accommodation for Native troops	Vizagapatam	Vizianagaram	5	Regimental Magazine for Native Infantry	for	1530	-	-	-	1530		5	G.O No 278 W dated 5th February 1885
	—Do—		6	Improvements to the Regimental Hospital Native Infantry		545	-	-	-	545		6	G.O No 1746 W d/ 16th July 1884
	—Do—		7	Additions to the Regimental Hospital Native	Regt Infantry	515	-	-	-	515		7	G.O No 179 W d/ 21st January 1884
					Total original works	10,280							

Rue Burke-Buchanan Lieut Col RE
Superintending Engineer
1st Circle

JK

3940/26


Budget estimate
of the Imperial
Military works
for 1889-90.

Imperial - Military Works.

Abstract of the Budget estimate of expenditure under Imperial, Military Works
for 1889-90.

Divisions	Repairs	Remarks.
N.L.		

Supdg Engrs Office
V Circle
1st October/88

JS
1-1088

J Hammers
Superintending Engineer
V Circle

3945/27

Imperial - Military Works

Statement of approximate outlay during the official year 1888-89 called for in G.O.

No 2288 W of the 16th August 1883 on works in the 2nd Circle.

Divisions	Repairs.	Remarks
Nellore ———	93	For Compensation for quarters for Military Upper Subordinate

Supdg Engrs Office
II Circle
1st October 88.

J Hannan
Superintending Engineer
II Circle

3945
28

1-2008

P.P.C. 1023

3945/29

P.P.C. 1023

2nd Circle.

Imperial Military works.
Budget for 1889-90.

Statement showing the proposed expenditure in the ensuing official year and the approximate outlay in the current official year under all Budget heads "Major Works" being specified in detail to accompany the Budget Estimate for 1889-90

3945/30

Division	Details	Estimate amount	Grant for 1888-89	Approximate expenditure during 1888-89	Proposed expenditure during 1889-90	Remarks
	Imperial Military					
	Major Original Works					
Bellary	Spare shed for Royal Artillery	1560	7890	7590	-	
"	New Workshops for the above	16600	22650	22650	16761	
"	Cattle Sheds & Shelters Ship Royal Artillery	1168	512	512	-	
"	Converting verandah of married Lance Corporals &c.	13307	-	-	13307	
"	family barracks	3046	-	-	3046	
"	Constructing Quarters for Surveyors at Bellary	4075	-	-	4075	
"	" Quarters for the Band Master of the Euro-	4290	-	-	4290	
"	pean Infantry Regiment at Bellary	49420	-	-	50,000	
"	Guard room for the Station Hospital at Bellary	7644	-	-	7644	
"	New double Quarters for Staff Sergeants, Ordnance Dept	6140	-	-	6140	
"	Swimming bath, British infantry	3030	-	-	3030	
"	Inspection Divers' mark & work house, Station Hospital					
"	School House for the Native Infantry Regiment					
	Minor Works	-	3299	3299	2500	
	Repairs					
	Annual and Special Repairs, lump sum	-	41,100	41,100	50,000	
Cuddapah	Annual Repairs	-	600	600	600	
Kurnool	"	-	600	600	600	

Asst Surgeon Col. C.E.

Deputy Engineer

Deputy Engineer &c. Circle

Deputy Engineer's office
Camp: Penukonda
2nd October 1888

The Secretary Engineer
3rd Circle
Bellary

The Chief Engineer
S.W. Deccan
Trichinopoly

Dated 2nd October 1888

Statement to accompany
the Military Budget Estimate
for 1889-90.

Imperial Military
Buildings & Roads.

III Circle

3945/31

Budget Estimate for 1889-90

Abstract.

	Estimate 1889-90		Estimate 1888-89	
	Amount	Total	Amount	Total
Military				
Original Works	89993		34051	
Repairs	51200		42300	
Total Military		141193		76351

Imperial Military
Buildings & Roads

Part I

III Circle

Detail of Budget Estimate of Original Works. Imperial Buildings & Roads for the year 1889-90.

2945/32

Head of Classification	Executive Division	Locality	Item No.	Projects and works	Amount of Estimate	Outlay Actual to end of 1887-88.	Outlay Probable during 1888-89	Grant 1889-90.	Remarks and references.
				Imperial Military					
				Major Original Works.					
Ordnance works	Bellary	Bellary	1	New Workshops for the Arsenal	46,500	6889	22650	15961	G.O. No 1527 W d/ 17 August 1888 Item No 5 class B. Works Budget 1888-89
Do	Do	Do	2	Six double Quarters for Staff Sergeants Ordnance Department	42,420	"	"	30000	G.O. No 1650 W d/ 18 June 1887 Item No 44 class B. Works Budget 1888-89.
Accommodation for Troops	Do	Do	3	Reroofing Verandah of Married range European Infantry Barracks	13,307	"	"	13307	G.O. No 3020 W d/ 15th December 1887
Buildings for European Troops.	Do	Do	4	Quarters for the Band Master of the European Infantry Regiment	4075	"	"	4075	G.O No 1461 W. dated 16th May 1888.
Do	Do	Do	5	Guard room for the Station Hospital	4290	"	"	4290	G.O No 1386 W dated 11th May 1888.
Do	Do	Do	6	Swimming Bath British Infantry	7644	"	"	7644	G.O No 2434 W dated 19th October 1885. Item No 3 class B. Works Budget 1888-89.
Do	Do	Do	7	Inspections disease ward and Cook house Station Hospital	6140	"	"	6140	G.O No 320 W. dated 7th February 1884 Item No. 1 class B. works Budget 1888-89
Accommodation for Native Troops	Do	Do	8	School house for pre Native Infantry Regiment	3030	"	"	3030	G.O No 119 W d/ 17th January 1886 Item No 37 class B Works Budget 1888-89.
Commissariat Buildings	Do	Do	9	Quarters for three Purveyors	3046	"	"	3046	G.O No 771 W dated 7th March 1885
				Carried Over				87493	

Head of classification	Executive Division	Locality	Item No	Projects and Works	Amount of Estimate	Outlay actual to end of 1887-88	Outlay Probable during 1888-89	Grant 1889-90	Remarks and References
					Brought forward			87493	
	Bellary	Bellary		Grant for Minor Works costing under Rs 2500 Each				2500	
					Total Military			89993	

5945/33

Part II — III Circle

Imperial Military Buildings and Roads

3945/34

Budget Estimate for Repairs, Imperial Buildings & Roads for the year 1889-90.

Head of Classification	Division	District	Items	Estimate 1889-90 Amount	Estimate 1889-90 Total	Estimate 1888-89 Amount	Estimate 1888-89 Total
Imperial Military Repairs							
Bellary	Bellary	Annual Repairs		30,000			
do	do	Special repairs to meet in part the Estimate of Rs 43350 for proofing the Verandahs of the European Infantry Barracks sanctioned in G.O. No 1977 W dated 2nd May 1888		20000		41100	
Cuddapah	Cuddapah	Annual repairs		600		600	
Kurnool	Kurnool	do		600		600	
		Total Military			51200		42300

Superintg: Engineers Office 3d Circle
Camp: Pennahonda
dated 2nd October 1888

A Smalley Lieut R.E.
Superintg: Engineer 3d Circle

No. C. No. 1015

From

The Superintending Engineer

3rd Circle

To

The Chief Engineer

P.W. Department

Madras

Dated 2d } October/88
Rec'd 5/10 }

Military Budget Estimate

for 1889-90

B

Imperial

Military works

2965/25

IV Circle

Public Works Department

Imperial Budget Estimate

of

Military Works

for the year

1889-90

Camp Saleode

1st October/88.

Executive Engineer in charge

IV Circle

A

3995
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Imperial
Military works

IV Circle

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Do Do of Expenditure	2 to 4
Detail of the Budget Estimate of Expenditure:—	
Part I — Detail of Estimate for original works	5 to 22

Imperial Military works

Revenue IV Circle

Abstract of the Budget Estimate of Revenue of the IV Circle P.W.D from Military works from 1st April 1889 to 31st March 1890.

	Actuals 1887-88	Budget Estimate 1888-87	Revised Estimate 1888-87	Budget Estimate 1889-90
In Public works Department	527	"	"	"
In Civil and Military Departments	1,200	1,200	1,200	1,200
Total	1727	1,200	1200	1,200

Charges

Abstract of the Budget Estimate of Expenditure of the IV Circle P.W.D on Military Works for the year from 1st April 1889 to 31st March 1890.

3993/37

		Actuals 1887-88	Budget Estimate 1888-89	Revised Estimate 1888-89	Budget Estimate 1889-90
Original works	In Progress	"	48286	38,807	38,807	145593
	Not commenced					
Repairs	Ordinary	"	64706	50,000	50,00	68,000
	special					
Establishment		"	"	"	"	"
Tools and Plant		"	"	"	"	"
Suspense Account		"	"	"	"	"
Total		"	112941	88,807	88,807	213,593

Abstract of the charges to be incurred by the P. and Contributions in both India a

Budget Est.

Original works

	In Progress	Not commenced	Total
Provision from Imperial Funds			
In India—	29700	115893	145593
" " "			
Total—	29700	115893	145593

W. Department from Imperial Funds

nd England.

3945/38

mate of 1889-90

Repairs	Establishment	Tools and Plant	Suspense account	Barrack Department	Total	Actuals 1887-88	Budget Estimate 1888-89	Revised Estimate 1888-89.
68,000	"	"	"	"	145593	112491	88807	88,807

Imperial
Military works

Part

Detail of the Budget Estimate for

I

Original works for the year 1889-90

IV Circle

3941/39

Head of classification	Executive Division	Locality	Item No.	Projects & works	Amount of Estimate	Actuals to end of 1887-88	Outlay Probable during 1888-89	Grant 1889-90 Works in progress	Works not commenced	Total	Item No.	Remarks & References
01 Accommodation for troops buildings for European Troops	Nilgiri	Cotacamund	1	Imperial Ordinary Military Original works Converting the Sap for Hospital and Stone House hill into quarters for two Sergeant Instructors of the Nilgiri Volunteer Rifles	3,600	"			3,600	"	1	G.O. No. 1068 W dated 9th April 1888.
—Do—	—Do—	—Do—	2	Constructing quarters for the Sub Conductor attached to Army Head quarters	"	"			7500	"	2	Estimate under preparation.
Buildings for Native troops	—Do—	Wellington	3	Constructing quarters for mining of the Army Hospital Native Corps	12,380	"			12380	"	3	Estimate submitted for sanction thro' the Deputy asst: Qr Mr General Southern District with this office No 451/911 d/14th December 1887
Do for British troops	—Do—	—Do—	4	Gymnasium	"	"			9,000	"	4	Estimate under preparation.
—Do—	—Do—	—Do—	5	Constructing hut barracks for 600 men	"	"			10000	"	5	Estimate under preparation G.O. No 2627 W d/ 27th August 1888
				Carried over					42480			

Imperial Military works

Part I

Detail of the Budget Estimate for Original works for the year 1889-90

IV Circle

S.W.D. 40

Head of classification	Executive Division	Locality	Item No.	Projects & works	Amount of Estimate	Actual to end of 1887-88	Outlay Probable during 1888-89	Grant 1889-90 works in progress	Grant 1889-90 works not commenced.	Grant 1889-90 Total	Item No.	Remarks and References
(1) Accommodation for troops (Cd)				Imperial Ordinary Military								
				Original works (Cd)	B. over							
Buildings for European troops	West Coast	Malapuram	6	Barracks for a detachment of British Infantry to accommodate 50 additional men	18,942 / 4770	13,967	19,269	25,000 / 4700			6	G.O. No 2305 w dy 13-9-86 " 660 w dy 24-2-87. " 1570 w dy 11-6-87 " 1491 w dated 21st May 1888 " 2538 w dated 18th August 1888.
	De Cuilon		7	Armourer's shop	4823	"	"	"	3,000		7	Estimate sent by the Executive Engineer to the Dy: Asst: Qr Master General for counterbignature with his office No. 802/M dy 18-8-88 Item No 51 class II of Budget of 1888-89.
	De Cannanore		8	Constructing quarters for eleheen men of Army Hospital	3,670	"	"	"	3,670		8	Estimate submitted for sanction thro' the Dept Asst: Qr Mr General Southern District with this office No. 212/M dated 15- June
				Carried over					29,700	49,150		

Imperial Military works

Part I.

Detail of Budget Estimate for Orgnl works for the year 1889-90.

IV Circle

3945/41

Head of classification	Executive Division	Sub Div	Item No	Project works	Amount of Estimate	Actual to end of 1887-88	Outlay Probable during 1888-89	Grant, 1889-90 works in progress	Grant, 1889-90 Works not commenced	Total	Item No	Remarks and References
				Imperial Ordinary Military-(c.d)								
				Orgnal works - c.d	B. nil							
1. Accommodation for troops. Buildings for European troops.	Nilgiri	Wellington	9	Alterations and improvements to No 5 Barracks for providing a Regimental Institute	525	"		29,700	49,150			Estimate sent by the Executive Engineer to the Dy. Asst. Qr Mr General Southern District on the 18th January 1888 for countersignature.
								"	"	525	9	
West Coast	Calicut	10		Additions and improvements to the Wash House.	780	"		"	"	780	10	G.O. No. 1849 dated 21st June 1888.
Do	Malapuram	11		Converting the beer godown into a gymnasium	790	"		"	"	790	11	G.O No 348 dated 13-2-85
—Do—	—Do—	12		Platform and pumps for a well at Malapuram barracks	1110	"		"	"	1110	12	G.O. No 1034 dated 28th May 1885.
										29,700	52,355	

Carried over

(9)

(10)

Part I

IV Circle

Imperial Military works

Detail of Budget Estimate for Original works for the year 1889-90

3965/43

Head of Expenditure	Sub-division	Locality	Item No.	Projects & works	Amount of Estimate	Actual to end of 1887-88	Outlay Probable during 1888-89	Grant, 1889-90 works in progress	Grant, 1889-90 works not commenced	Grant, 1889-90 Total	Item No.	Remarks & References
				Imperial Military								
				Original works	B. mer.							
		1 Accommodation West for troops Coast	Mangalore	13	Substituting asphalte for Chunam in the flooring of the wards and Surgery of the Hospital attached to the Native Infantry Regiments	695	"		29,700	52,355			
									" "	695	13	G.O No 1847 W dated 1st July 1884.
		Do	Calicut	14	Constructing two servants rooms & stables for the quarters occupied by the Assistant Apothecary station Hospital / West Hill Barracks	606	"						
									" "	606	14	G.O No 3305 W dated 3d December 187.
		Do	Mangalore	15	Flooring with tiles composite the Native Infantry place of Arms	653	"					
									" "	653	15	G.O No 285 W d/16th February 1885
		Do	Do	16	Petty improvements to the Regimental lines	671	"					
									" "	671	16	G.O No 1973 W d/23d July 1887.
					Carried over				29700	54,980		

(12)

Imperial Military works — Part I — IV Leucke

Detail of the Budget Estimate for Original Works for the year 1887-90

395/43

Head of Classification	Executive Division	Locality	Item No.	Projects & works	Amount of Estimate	Actual to end of 1887-88	Outlay Probable during 1888-89	Grant, 1889-90 Works in progress	Works not commenced	Total	Item No.	Remarks & Reference
1. Accommodation for troops (c-d)				Imperial Military Original Works	B. over			29700	54980			
	West Coast	Calicut	17	Constructing sol:-tary cells attached to the Barracks	1245	"		"	1245		17	G. O. No. 1864 W. dt. 12-11-87. July 1887.
	—do—	Mala-puram	18	Providing a soldiers institute to the European Infantry Detachment	880	"		"	880		18	Estimate submitted for sanction thro' the Dy: Asst: Qr Mr Gl Southern District with this office No. 116/M dt 7-4-88.
	—do—	Calicut	19	Converting the present Coffee shop at West Hill into a soldiers institute	754	"		"	754		19	—do— do— with No. 153/M dt 5-5-88.
	—do—	—do—	20	Constructing quarters for 8 men of Army Hospital Native corps	2270	"		"	2270		20	Estimate submitted for sanction thro the Dy: asst: Qr Mr General Southern District with this office No. 186/M dt 4-6-88.
	—do—	Mala-puram	21	—do— —do— for 7 men —do— —do—	2030	"		"	2030		21	
				Carried over				29,700	62159			

Imperial
Military works

Part I

Details of the Budget Estimate for Original works for the year 1889-90

IV Circle

3945/44

Head of Classification	Executive Division	Locality	Item No.	Projects & works	Amount of Estimate	Actual Expd. 1887-88	Outlay Probable during 1888-89	Grant, 1889-90 works in progress	Grant, 1889-90 works not commenced	Grant, 1889-90 Total	Item No.	Remarks & reference
				Imperial Military original works	B. rec			29,700	62,159			
2 Ordnance works	Nilgiri	Ootacamund	22	Constructing a small magazine on Maund's hark	900	"	"	"	900	22	Estimate sent to the Quarter Master General for countersignature by the Executive Engineer on 21- July 1888.
3. Commissariat Buildings	Do	Wellington	23	Constructing quarters for the Milling Engineer attached to Government Bakery	"	"	"	"	6,500	23	Estimate under preparation.
—Do—	—Do—	—Do—	24	Quarters for three Hospital Purveyors	4750	"	"	"	4750	24	G.O. No 615 W dy 24 Feb-ruary 188. Item 19 class B. works Budget 1888-89.
West Coast	Malabar	Palaghaut	25	Sheds for 12 bullocks and 10 mules	2894	"	"	"	2,000	25	G.O No 1245 W d/27-4-88.
—Do—	Calicut	Calicut	26	Sheds for transport animals	11265	3,310	"	"	5,000	26	Estimate submitted for sanction thro' the Dy: Asst: Qr Master General Southern Dist: brot with this office No 311/m dated 25-8-88.
—Do—	—Do—	—Do—	27	Bakery to West Hill Barracks	"	"	"	"	3,000	27	Estimate under preparation
Nilgiri	Wellington	Wellington	28	Additions & alterations to Purveyors store	1606	"	"	"	1606	28	G O No 1661 W d/6-8-88
								29,700	85915		

A. rec

(16)

Imperial Military works — Detail of the Budget Estimate for Original works for the year 1889-90 — Part I — IV Circle

3945/45

Head of Classification	Executive Division	Locality	Item No.	Projects & works	Amount of Estimate	Actual to end of 1887-88	Outlay Probable during 1888-89	Grant, 1889-90. Works in progress	Works not commenced	Total	Item No.	Remarks and References.
				Imperial Military Original works. (Contd)	B. over			29,700	85,915			
3. Commissariat Buildings	Nilgiris	Wellington	29	Shed for dhooly bearers and dhoolies	885	"	"	"	885	885	29	G.O. No. 1700 W dated 18 June 1888
	West coast	Calicut	30	Constructing quarters for the Hospital purveyor	1163	"	"	"	1163	1163	30	G.O. No. 2341 W dated 1 July 1888
	Do	Mangalore	31	Constructing a permanent verandah for the quarter Masters Stores Native Infantry Regiment	630	"	"	"	630	630	31	G.O. No. 1648 W of 1st July 1888
	Do	Malapuram	32	Converting the infections dis-ease wards into quarters for Commissariat Sergeant and build-ing out houses	2270	"	"	"	2270	2270	32	G.O. No. 2687 W dated 30th August 1888
	Do	Do	33	Purveyors quarters	1250	-	"	"	1250	1250	33	G.O. No. 1343 W dated 27th April 1888.
				Carried over				29700	92,113			

Imperial
Military works

Part I

Detail of the Budget Estimate for Original works for the year 1889-90

IV Course
394/46

Head of Classification	Executive Division	Locality	Item No.	Projects & works	Amount of Estimate	Actuals to end of 1887-88	Outlay Probable during 1888-89	Grant, 1889-90 Works in progress	Works not commenced	Total	Item No.	Remarks & References
				Imperial Military Original works								
				B. over								
4 Staff & Mixed Lancers	Nilgiri	Ootacamund	34	Constructing a latrine for the boys at Lawrence Asylum	3,000 00	"	"		3,000		34	G.O. No 2139 W dy 14th July 1888
Do	Do	Do	35	Water supply Lawrence Asylum	12350	"	"		12350		35	Do Do
Do	Do	Do	36	Converting the present boys latrine into a workshop for one of the Industrial classes at Lawrence Asylum	"	"	"		500		26	Estimate under preparation. Vide G.O. No. 2139 W dated 14th July 1888
Do	Do	Do	37	Constructing a new latrine for servants at Lawrence Asylum	"	"	"		1000		37	
				C. over			29,700	92,113	29750	108963		

Imperial
Military works

Part I

Details of the Budget Estimate for Original works for the year 1889-90

IV Lounda
3940/47

Head of classification	Executive Division	Locality	Item No.	Projects & works	Amount of Estimate	Actual to end of 1887-88	Outlay Probable during 1888-89	Grant, 1889-90. works in progress	Grant, 1889-90. works not commenced	Grant, 1889-90. Total	Item No.	Remarks & References
				Imperial Military Original works	B. num							
7. General Cantonments works	Nilgiri	Wellington	38	Diverting the surplus water of the reservoir from old channel under roadway at south end of Staff block	880	"		"	880		38	Estimate submitted for the sanction thro' the Dy Asst: Qr Mr General Southern Division with this office No. 329 M dt 13th September 88.
—Do—	Nilgiri	Wellington	39	Levelling the Rifle Range for use of the Royal Fusiliers	1050	"		"	1050		39	G.O. No. 2492 W dt 21-9-87 Item No. 24 in the statement of Incomplete works that accompanied the G.O. No. 1969 W dt 2 July 1878.
8. Fortifications.	West Coast	Malapuram	40	Constructing a fortified post	8248	"		"	5,000		40	G.O. No. 3114 W dt 18 November 1887 Item No. 58 class B Works Budget of 1888-89.
				Total					29700	115,893	145,593	
				Estimate								
				Nilgiri no 35,000								
				West Coast " 26,000								
				Coimbatore " 7,000								
					68,000				"	68,000	68,000	

(21)

CHIEF OF ENGINEERS
No. 9630 A.G.O.
SEP. 88
P. W. D.
FOURTH CIRCLE

Imperial

Statement showing approximate Expenditure under Budget Heads for 1888-89.

Imperial

Statement Showing the approximate expenditure under the Budget Heads during 1888-89 to accompany the Budget for 1889-90.

Item No	Name of work.	Amount of Estimate	Expenditure approximately to be incurred during 1887-88	Balance to be provided in 1888-89	Remarks.
	Military				
	Original Works.				
	Major				
1	Constructing a Bakery at Wellington.	35,850	35,146	704	Will be completed during the Current year; Rs 704 will be applied for in the Statement of demands to be prepared early in October 1888.
2	Do — quarters for 3 apothecaries at Wellington.	16,000	—	16,000	Rs 6500 granted in the Budget for 1888-89; but as the work will be completed during the Current year; balance will be applied for later on.
	Minor.				
3	Improvements to Commissariat Conductors quarters at Wellington	92	-	-	No funds to go on with the works; will be applied for later on if necessary.
4	Constg stables for Quarters of the Warrant officer of the Commissariat Department, Wellington	340	-	-	
5	Reconstg the Compound wall of the Lock Hospital Wellington	1085	-	1085	Vide G.O. No 2384 A dt 6-8-88.
6	Alterations and improvements to the Depot Canteen Wellington.	100	-	100	Memo 16-8-88 and 11). These petty works are in progress. Funds will be applied for in the statements for October 188.
7	Constructing a temporary Cookhouse at back of the R-F Coffee Shop at Wellington	185			
8	Fixing weather boards and sunshades to Barrack Sergeants Quarters at Wellington.	90	"	90	

Imperial

Statement Showing the approximate expenditure under the Budget Heads during 1888-89 to accompany the Budget for 1889-90.

Item No	Name of work.	Amount of Estimate	Expenditure approximate to have been incurred by 31st March 1887-88 on 1888-89		Remarks.
9	Fixing teakwood shelves in the station Hospital Store Room at Wellington.	78	"	78	(Items 7-10-13 & 14). No funds; will be applied for later on if necessary.
10	Constg. wooden railings to the Barrack Sergeants quarters at Wellington.	310	"	"	
11	Diverting Springs around drinking water wells to Main Cistern to increase supply.	41	"	41	
12	Constg: a Urinal in rear of Singlemans Barracks Wellington	405	"	405	Considered very urgent by the Military authorities: Work is almost Completed. Funds will be applied for in the Statement for October 1888
13	Providing Lightning Conductor to the Barrack Sergeants quarters. Wellington.	370	"	0	
14	Constg: a wooden railing to the — Do — Do	310	"	"	
15	Providing Cooking Stoves for Staff Sergeants Quarters Wellington.	680	"	680.	Funds provided by the Military Dept. Work will be Completed during the Current year.
16	Laying 2" pipes from the Drinking Cistern to the Station Hospital at Wellington.	2226	686	1540.	Do provided in G.O. 1969 W. D. 2-7-88. Work will be Completed in 1888-89.

Imperial

Statement Showing the approximate expenditure under the Budget Heads during 1888-89 to accompany the Budget for 1889-90.

Item No	Name of work.	Amount of Estimate for 1887-88	Expenditure during 1887-88	Approximate outlay likely to be incurred in 1888-89	Remarks.
					57
17.	Providing teakwood boxes for the storage of ball ammunition of Soldiers at Wellington.	415	.	415	Funds provided in G.O 1969 w.d 2-7-88. Work will be completed in 1888-89.
	Imperial Military Repairs	40,000			The expenditure under this head during 1887-88 was Rs 28416. But owing to the following special Repair works the estimates of which amount to Rs 16,175 having been executed and completed in the Current year as they were Considered urgent, the approximate outlay would amount to Rs 40,000 in the Current year. Funds to the extent of Rs 25,000 only having been granted, in G.O. No 1969 w. D 2-7-88 against Rs 35,000 applied for in the Budget for 1888-89; application for the balance of Rs 15,000 will be made in the demand statement for October 1888.

Imperial

Statement Showing the approximate expenditure under the Budget Heads during 1888-89 to accompany the Budget for 1889-90.

Item No	Name of work.	Amount of Estimate	Expenditure approximately how been incurred during 1887-88 and 1888-89	Remarks.
				53
	(1) Repairs to roofs of Nos barracks occupied by the Royal Insiliars at Wellington		3,475 Rs 4500-0-0	
	(2) Do to Nos 1,2 and 6 barracks and Nos 1,2,3 and 4 blocks of married quarters at Wellington		7790-0-0	
	(3) Repairs to the roof of Station Hospital		3885-0-0	
	Total		16,175-0-0	

B. Robertson
Executive Engineer
Nilgiri Division

Office Commissioner
Nilgiris Sept 1888

del

Imperial

Statement Showing the approximate expenditure under the Budget Heads during 1888-89 to accompany the Budget for 1889-90.

Item No	Name of work.	Amount of Estimate for 1887-88	Expenditure approximately to be incurred up to close of 1888-89	Remarks.

West Coast Division

Statement Showing the approximate outlay under Imperial Military during 1888-89.

Head of Classification	approximate outlay during 1888-89	Proposed outlay in 1889-90
Imperial Military		
Major	26400	49000
Minor	2200	18800
Total Original	28600	67800
Repairs	20,000	26,000

Calcutta
11/9/88

Assistant Colonel
Executive Engineer

SUPDT. ENGINEER
13 SEP 88
P. W. D.
FOURTH CIRCLE

SUPDT. ENGINEER
14 SEP 88
P. W. D.
FOURTH CIRCLE

Coimbatore Division

Statement showing the proposed expenditure in the year 1889-90 and the approximate outlay in the current official year under the head Imperial. Military

Project and works	Amount of Estimate	Outlay up to 31st March 188	Approximate Outlay in the official year 1888-89	Proposed expenditure in the year 1889-90
Military				
Major works				
Nil				
Minor original works				
Constructing a well at site of the new camping ground at Jollarpett	655	428	50	"
Sinking a well near sick lines Remount Depot Hosur	860	317	543	"
Sinking a well in sick lines Remount Depot Hosur	818	25	793	"
Converting the present Kitchen attached to the Rest house Superintendents quarters at Matoopollem into a shed for two sick carts and erecting a new Kitchen	500	"	500	"
Extending the existing weir of the Jegur tank at the Remount Depot Hosur	525	"	525	"
Constructing compound walls to the west & north side of the rest camp at Podanur	493	"	493	"
Unforeseen works	"	"	100	3,000
Total Minor works	3851	770	3,004	3,000
Repairs	"	6757	7,000	7000

3rd September 1888.

V. P.

E V Lambert
Executive Engineer

North Western Division

Schedule of Minor New Works under Imperial Military proposed to be Carried out in 1889-90.

58

Name of Works	Amount of Estimate	Remarks
Native Regimental Lines at Vellore	2150	G.O. No 2106 dated 7th Dec. 88.
Remaining Staff Sergeants Quarters Vellore	1260	G.O. No 2705 dated 9th Nov. 88.
Improving Drains outside Compound of Rest House at Arkonam	560	G.O. No 1543 dated 2nd June 89
	3970.	
Unforeseen Demands	130.	
Total	4100	

Madras 6th September 1889.

Executive Engineer
North Arcot Division

Schedule of Minor
New Works Imperia
Military for 1889-9

Dated 9th September 1st

PR/Fin 3
10855/78.

Chinglepet Division

Imperial Military

List of Minor Original works sanctioned

Name of work	Estimated amount	Remarks
Constructing a small Cess pool in rear of Plate room off R.A. Mess House & Mamt	18	
Providing additional number of arm racks & Accoutrements pegs to 15 Regts		
Palace of arms & Mamt	69	
Providing 100 iron bolts to the wardens of the Magazine 15th Native Infantry Regiment Pallavaram	30	
Converting a Store room in the North Barrack at St. Thos. Mamt into a Coffee Shop	673	
Sinking a well and erecting a pro at with triangular apparatus in the Public Offices Depot & Mamt	1900	
Sinking a well for the use of the Native troops at Pallavaram	318	
Constg. a Dead House for the Depot Hospital Pallavaram	812	
Providing arm racks (new pattern) in 2nd J 3rd Class Family Quarters Pallavaram	277	
Raising ridges at the Corner of Verandahs in 3 blocks of double storied Barracks & Mamt	16	
	3413	

Providing extra fire places in the orderly room attached to the Fitters of the Double Storied Barracks Mauritius — 224
Providing a Pump Well to the new Contagious diseases Wards of the Garrison Hospital at the Mauritius — 66
Constg. drains for cells of the 14 Family Quarters at South Barracks Mauritius 230
Remodelling the Lightning Conductor of the R.A. Expense Magazine Mauritius 210
Additions to be made for Canteen attached to the Double Storied Barracks Mauritius 850
Constg. a new dust line at rear of No. 2 Latrines 2/12th R.A. Mauritius — 20
Providing bamboo blinds for 2/12th Battery Office in the Main Guard Upper Story at Troop Lines Mauritius — 114
Providing Lamp Posts with Lanterns for Mess House Gates at Mauritius — 110
Providing Designation boards for the Buildings at Mauritius occupied by troops 197
Providing Designation boards for the 2nd Detch Family 2Ds Pomonnalle — 131
Rebuilding 3 Latrines of Family 2Ds of the 2/12th Battery at the Mauritius — 375
Constg. a Drain in rear of the Family 2Ds at the Mauritius — 348
Providing doors to the Latrines Lines of the House Lines of the 2/12th R.A. Mauritius — 56
Underpinning the Dry Stone quarters at the reserve Powder Magazine Mauritius — 7332

Providing 2 Windows in the Store room attached to the Grain Shed of 2/12th Bde R.A. Mauritius — 74
Fixing new hat pegs in the Girls Infant school Main Guard Pallaviccini 31
Closing the archway on each side of the East Grain Shed at Mauritius occupied by the 2/12th Royal Artillery — 560
Removing the Wooden Shed from the Depot and refixing the same in the Proof range Mauritius — 320
Sinking a Well & filling the old Well in the Soldiers garden Mauritius — 380
Constg. an open drain for No. 3 Hospital Bath room at Pallaviccini — 235
Raising Slinging Shed in the R.A. Infirmary to suit 6ft Walls Scatters of Horse Slings at Mauritius — 265
Formation of new roads in lieu of old road site & diverted for the Construction of new Stables in Troop Lines Mauritius 200
Providing accoutrement pegs to the Verandah room of No. 2 Barracks Pallaviccini 7
Constg. a Verandah on the East side of the Married Sergts rooms attached to the East Barracks for R.A. Mauritius — 1170
Attaching a lightning Conductor to the Station Hospital Powder Mag. — 1400
Constg. walls to turn the Latrines of the Family 2Ds Powder Mag. — 730
Constg. Covers to drains in rear of 24 Family 2Ds Mauritius — 190
Providing doors & Windows to the Rest Houses at Reduit — 751
4,348

Providing new teak wood gates for the old Depot Gun Shed at the Mount — 31

Providing granite stone for posts for fastening Horses for 9/at R.A. Sick Lines Mount — 40

Providing new heat pipes to the Battery Office of 9/1st R.A. Mount — 6

Constg. Drains to the Stables of 9/1st R.A. Mount — 810

Converting each pair of the Vacant Family 2s 15 & 20 of the South Barracks into one at Mount — 170

Providing granite flooring to the Verandah of the Harness rooms of the 2/Battery 1st Brigade R.A. Mount — 540

Providing a gate to Small Magazine in old Laboratory Compound Mount 113

Constg. a wrought Iron Cover to the water tower well in the General Hospl. Poonamallee — 260

Constg. a Platform Cubicle Urinal for the R.A. Canteen Mount — 16

Demarcating the boundary of Bazaars at the Mount — 144

Demarcating Cholera Camp Mount 72

Connecting the two Verandahs of No 5 Main Guard House into one Mess & Bath room — 107

New gratings to East and West Branch Mount — 133

Providing shelf planks to Store room Mount to East Harness room Mount — 70

1854

61

Providing the Verandahs of East Harness room Mount — 195

Wooden platforms to Main Guard Prison room Mount — 153

Providing pegs in the pillars of Covered Stables No 1.2.3 of 2/3 R.A Mount — 22

Constg. necessary pillars to Sick Cats Shed Poonamallee in lieu of decayed wooden posts — 55

Making an opening in north wall of Cash room of Ord^ce Depot for fixing a Sliding door Mount — 230

Re-roofing the Cash room of the Ordnance Depot Mount 2140

Providing Carpenters tools & Cutting boards to N/1st R.A Mount 57

Total 1962

Recommended for sanction

Executive Engineer

Chingleput Div

6/9/88

Certified that the above rates are fair and reasonable

Supdg. Engr Chingleput Div

6/9/88

4538

63

			15 Ft	4538
	Fort St George. Garrison & Pr Sergeants Quarters.			
	Bermudah. Erecting a wooden partition		56.	
	d — Store rooms attached to Fort St			
	George Armament and Beach Batteries			
	Providing inventory boards		18.	
	Madras. Ordnance Lines. Constructing			
	V-shaped drains to the		758.	
	Fort St George. Staff Officers Quarters. Providing			
	a street lamp bracket		15.	
	Pudupet Madras. Transport Lines.			
	Constg a culvert across the main			
	ditch & forming road & filling hollow			
	Ground		530.	
22.	Fort St George Military Prison Constg two			
	solitary cells in the		245.	
23.	— do — Providing street lamp brackets		36.	
24	— do — Constg a verandah in front			
	of the Church — late main used as		650.	
25.	Bangalore Parade Barracks. Cookhouse.			
	Constg chimneys to portion of north			Estimate sent to Military
	side east of cook houses		237	authorities in 8/y for approval
26.	— do — 12 Royal Lancers. Guard room			
	Stores Converting a portion into			
	a wash house		55	
27	— do — Parade Barracks. Singlemen's Block.			
	Covering main drain with stone			
	slab		39.	
	— do — Off's 2 R.H.A. Sinking a well in			Estimate returned by the Mil
	the Victoria Park Lucerne garden		434.	authorities in 8/y as no funds
				available.
29.	— do — R.H.A. Barracks. Providing a			
	boarded floor to the Theatre Room			
	of the		1040.	
		Total	10851	10851

Rupees Ten thousand Eight hundred & fifty one only.

Approved

Chief Engineer

Madras

Examined

Executive Engineer

Madras

5E

for Executive Engineer

V. Circle — Imperial Military

Budget Estimate of Revenue to be collected by P.W.D

for 1889-90

Particulars	Amount	Remarks
Imperial Military		
North Arcot Division		
Rent of Buildings	228	
Other Revenue	52	
	280	

Fifth Circle

Imperial Military Works

Detail of the Estimate of Original Works for 1889-90

75

Head of Classification	Executive Division	Locality	Item No.	Objects of Works	Outlay: Amount of Estimate	Outlay: Actual to the end of 1887-8	Outlay: Probable during 1888-89	Grant for 1889-90: Works in progress	Grant for 1889-90: Works not commenced	Total	Remarks & Reference.
				Imperial Military Major Original Works							
Accommodation for troops	Presidency	Bangalore	1	North station hospital Quarters for the Senior Apothecary attached to the	5300	"	"	"	5300	5300	G.O. No. 3385-D dated 27 November 1888. Item 34 Class B works Budget of 1888-89.
			2	—Do— for an Assistant Apothecary	4773	"	"	"	4773	4773	G.O. No. 938-D dated 5 April 1884. Item No. 35 Class B works Budget of 1888-89.
			3	Battery Office Constructing building suitable for R.H.A.	5680	"	"	"	5680	5680	G.O. No. 206-D dated 17 September 1888.
			4	R.H.A. Constructing a wheelers shop	3320	"	"	"	3320	3320	Item No. 31 Class B works Budget of 1888-89.

Fifth Circle

Imperial Military Works

Detail of the Estimate of Original Works for 1889-90

75

Head of Classification	Executive Division	Locality	Item No.	Projects & Works	Outlay: Amount of Estimate	Outlay: Actual to the end of 1887-8	Outlay: Probable During 1888-89	Grant for 1889-90: Works in progress	Grant for 1889-90: Works not Commenced	Total	Remarks & Reference.
Accommodation for troops	Presidency	Bangalore	5	Grass Cutters Lines Constructing a drain for preventing the flooding of adjacent nullah	2846	"	"	"	2846	2846	G.O. No. 1261 dated 3rd May 1886. Item No. 32 Class Works Budget of 1888-89.
			6	R.A. Construction School Masters and School mistress Quarters for	10240	"	"	"	10240	10240	G.O. No. 2884 W dated 20th September 1886.
			7	British cavalry. Construcking an orderly room for Agaram Barracks	7452	"	"	"	7452	7452	Item No. 29 Class Works Budget of 1888-89.
			8	Accommodation for a Regiment of Native cavalry	30990	"	"	"	20000	20000	G.O. No. 3149 W dated 29th December 1886.
			9	Parade Barracks Completing System of drainage for	8112	"	"	"	8112	8112	G.O. No. 2615 W of 21st August 1888.
		Madras	10	Rayapuram Native Infantry Lines providing means of flushing the drains with sewn taette water	4300	"	"	"	4300	4300	G.O. No. 1397 W dated 1st June 1886.

Fifth Circle

Imperial Military Works

Detail of the Estimate of Original Works for 1889-90

75

Head of Classification	Executive Division	Locality	Item No.	Projects & Works	Outlay: Amount of Estimate	Outlay: Actual to the end of 1887-8	Outlay: Probable during 1888-89	Grant for 1889-90: Works in progress	Grant for 1889-90: Works not commenced	Total	Remarks & Reference.
											69
Accommodation for troops	Presidency	Madras	11	New Military Hospital on the site of the old fishing Village near Presidency College	"	"	"		25000	25000	Estimate to awaited from the Executive Engineer
			12	Constructing Cavalry Bowers and Stables on the Esplanade in front of Body Guard Lines for use of Officers in Fort Saint George	15770	"	"		15770	15770	Item No. 26 Class. Works Budget of 1888-89.
			13	Surgeon Generals Office Fort Saint George Converting the ninth Barracks for 60 Singlemen	5400	"	"		5400	5400	G.O. No. 3000 W dated 9th November 1887.
			14	Fort Saint George Converting the Block Containing main Guard Mess Captains Quarters & Commissariat Ordance Quarters into Barracks for Singlemen	5972	"	"		5972	5972	G.O. No. 2612 W of 24/8/88.
Chingleput	Poonamallee		15	New Barracks	16688	"	20000	30000	"	30000	G.O. No. 165 W of 19th February 1879. Revised Estt of Rs 175083 has been submitted to Chief Engineer P.W.D.
	Mount		16	Troop Lines East and West Barracks Raising the main walls & reconstructing the roofing & Harness Room	4200	"	"		4200	4200	G.O. No. 3137 W of 17th December 1881.

Fifth Circle

Imperial Military Works

Detail of the Estimate of Original Works for 1889-90

75

Head of Classification	Executive Division	Locality	Item No.	Projects & Works	Outlay: Amount of Estimate	Outlay: Actual to the end of 1887-8	Outlay: Probable during 1888-89	Grant for 1889-90: Works in progress	Grant for 1889-90: Works not commenced	Total	Remarks & Reference.
											10
Accommodation for troops	Chingleput	Mount	17	2/1st Brigade R.A Constructing Collar makers & wheelers shop	5660	"	"	"	5660	5660	G.O. No. 2717 W dated 3rd November 1884
		Do	18	Proof Range Constructing a wooden shed wooden shed	2820	"	"	"	2820	2820	G.O. No. 3077 W dated 13 December 1884,
		Tallaveram	19	Native Infantry Regiment Constructing an armourers shop	2980	"	"	"	2980	2980	G.O. No. 3149 W dated 22 December 1884,
		Mount	20	Converting the disused Gun shed into a Coffee shop recreation room and Library							Work not required vide 2972 A of 21-9-86
Commissariat	Presidency	Madras	21	Constructing Conductors quarters for the Transport Depot near Commissariat cattle lines	2520	"	"	"	2520	2520	G.O. No. 1234 W of 25th May 1888,
	Presidency	Pudupett	22	Pudupett Commissariat transport Lines, sheds for bullocks carts and bullies &c.	5800	"	"	"	5800	5800	G.O. No. 992 dated 16 April 1886.
					40680	"	"	"	20000	20000	Item No. 55 Class B Works Budget 1888-89 & Item No. 9 Class B of Estimate for 1889-90.

Fifth Circle

Imperial Military Works

Detail of the Estimate of Original Works for 1889-90

75

Head of Classification	Executive Division	Locality	Item No.	Projects & Works	Amount of Estimate	Outlay: Actual to the end of 1887-8	Outlay: Probable during 1888-89	Grant for 1889-90: Works in progress	Grant for 1889-90: Works not commenced	Total	Remarks & Reference.
Commissariat	Presidency										71
		Madras	23	Commissariat Department Constructing Conductors quarters	10000	"	"	-	4000	4000	Item No. 56 Class Works Budget 1888-89.
	Chenglepul	Saidapet	24	New road from mount road to Slaughter house	3168	"	"	-	3468	3468	G.O. No. 5240 W of 16th Feb. 1888.
Ordnance	Presidency	Madras	25	Coal store Constructing	"	"	"	"	10000	10000	Estimate awaited from the Executive Engineer
Commissariat		Pudupet	26	Transport Lines Constructing Mules shed	11210	"	"	"	11210	11210	Item No. 62 of Schedule of Military Works for 1889-90.
		Do.	27	Do Quarters for 2 Sergeants	3500	"	"	"	3500	3500	Do. 63. Do Do
Ordnance		Madras	28	Ordnance Lines Providing Sun shades to exposed doors and windows	4160	"	"	"	4160	4160	G.O. No. 2248 W dated 22nd August 1887.
		Do.	29	Comp. equipage Department Constructing a new shed	6935	"	"	"	6935	6935	G.O. No. 2253 W dated 27th September 1887.

Fifth Circle

Imperial Military Works

Detail of the Estimate of Original Works for 1889-90

75

Head of Classification	Executive Division	Locality	Item No.	Projects & Works	Outlay: Amount of Estimate	Outlay: Actual to the end of 1887-8	Outlay: Probable during 1888-89	Grant for 1889-90: Works in progress	Grant for 1889-90: Works not Commenced	Total	Remarks & Reference.
Ordnance	Presidency	Madras	30	Voyasarpady rifle range extending & raising the existing stop butt	6076	"	"	"	6076	6076	77 Estimate submitted to the Military authorities Nos 23424 of 29 August 1888.
	Chingleput	Pallavaram	31	Powder magazine for 4 Regiment	4900	"	"	"	4900	4900	G.O. No. 831. W. dated 8 February 1886.
Fortification	Presidency	Fort St. George	32	Constructing Draw Bridge at North gate of	4187	"	"	"	4187	4187	G.O. No. 2446 W. of 13 August 1888.
	Do		33	Fort Saint George demolition of out works & clearing of debris & completion of walls	33997	"	"	10000		10000	Item No. 61 class B work Budget of 1888-89
	North and Valley	Fort	34	Constructing Draw Bridge	"	"	"	"	5000	5000	Estimate is awaited from the Executive Engineer.
A for troops		Do	35	Providing accommodation in the — for 2 companies of Infantry	31490	"	"	"	31490	31490	Item No. 10 in the schedule Class B works for 1889-90.

Fifth Circle

Imperial Military Works

Detail of the Estimate of Original Works for 1889-90

75

Head of Classification	Executive Division	Locality	Item No.	Projects & Works	Amount of Estimate	Outlay Actual to the end of 1887-8	Outlay Probable during 1888-89	Grant for 1889-90 works in progress	Grant for 1889-90 works not commenced	Total	Remarks & Reference.
											13
Fortification & pr troops	Chunglepet	Mount	36	East Barracks Constructing Sergeant mess & Cook room	6450	"	"	"	5450	5450	G.C. No. 1118 W dated 14th April 1888.
Convict		Guindy	37	Constructing quarters for station butcher to the Slaughter house	3600	"	"	"	3600	3600	G.C. No. 1259 W dated 30th april 1888.
& pr Troops.	Do	Mount	37	Constructing a battery office for the East barracks	3700	"	"	"	3700	3700	G.C. No. 1532 W of 28th May 1888.
Presidency	Fort Saint George		38	Sundry works in connection with Extra accommodation B.I	12345	"	"	"	12345	12345	Item 2 Class B of Schedule for 1889-90.
			39	Erection of B Regiment & B Battery in the Presidency	30000	"	"	"	30000	30000	Item 1, Class B of schedule for 1889-90.

Fifth Circle

Imperial Military Works

Detail of the Estimate of Original Works for 1889-90

75

Head of Classification	Executive Division	Locality	Item No.	Projects & Works	Outlay: Amount of Estimate	Outlay: Actual to the end of 1887-8	Outlay: Probable during 1888-89	Grant for 1889-90: works in progress	Grant for 1889-90: works not commenced	Total	Remarks & Reference.
	Residency Division			Minor New Works.							
				Lump sum for commencement works as per accompanying Schedule					10500	10500	Schedule attached.
		Chengleput		Chengleput — Do — Do —					10,000	10000	There are works to the extent of Rs. 19692 as per schedule attached which require appropriation of funds, if available.
	North arcot	North Arcot		North Arcot — Do — Do					4100	4100	Schedule attached

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Fifth Circle

Imperial Military Works

Detail of the Estimate of Original Works for 1889-90

Head of Classification	Executive Division	Locality	Item No.	Property of Works	Amount of Estimate	Outlay Actual to the end of 1887-8	Outlay Probable during 1888-89	Grant for 1889-90 works in progress	Grant for 1889-90 works not commenced	Total	Remarks & Reference
				Repairs							
				Presidency Division						165000	
				Chingleput Division						30,000	
				North arcot Division						2000	
				South arcot						180.	

Lieut: Engrs Office
Camp: Bangalore
25th October 1888

K Somerset Lieut RE

Henry Thuillier Colonel RE
Superintending Engineer V Circle

Copy

The Chief Engineer
& Secretary to Government

Public Works Department

Fort St George, 2 October 1888

Sir,

I have the honor to forward herewith a Statement showing the probable expenditure on Imperial Military Works during the year 1888-89, and to request that the sanction of Government may be obtained to the Estimate for the Circle for the year 1889-90.

I have &c

Superintending Engineer
Madras Budget
Estimate of Buildings &c
in Circle for the year
1889-90

Forts & Civile

Imperial Military

Statement showing probable expenditure on works during 1888-89.

Divisions	Name of works	Amount of Estimate	Expenditure to the end 1887-88	Current years Grant 1888-89	Probable Expenditure in 1888-89	Remarks
Presidency	Imperial Military Major Original works					
1	Additions to Public Buildings Mess Regiment for a Pioneer Regiment at Bangalore	21636	21903	5000	3210	Difference of Rs 1790 is under-rendered: as per statement of Inspections.
2	Bangalore New Saddle Room British Cavalry	4158		4158	4158	
3	Madras Constructing 2 male & 2 female latrines Perambur Depôt	"	"	3000	3000	
Presidency	4 Madras Purchase of land for coal store and artificers Quarters at Vepery	"	"	4625	4625	

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5	Madras Gun Carriage Factory Tumeri shop			10000	"	Rs 10000 are surrendered as per statement of modifications
6	Do Do Extra accommodation as store room			4105	"	Rs 4105 are surrendered as per statement of modification
7	Bangalore Constructing fire engine shed & guard room in the Agaram Entrenchment	5565	5555	5555	✓	
8	Fort Saint George Converting Serfs mess & adjacent godowns into a Lavatory & Latrine for Anglemans Barracks	3820	3820	3820	✓	
9	Converting Racket Court into a Covered Gymnasium Fort Saint George	11890	9754	2206	2206	✓
10	Constructing Quarters for European Station Butler at Bangalore	3860	2120	1740	1740	✓
11	Water Supply Bangalore	"	"	2000	2000	✓
12	Fort Saint George water supply Improvements	6445	6446	2178	✓	Rs 2178 are required under GC No 2393 w dated 7th August 1888. Application for funds made in the statement of modifications
Chenglepet	Poonamallee Constructing new Barracks	166385	"	20000	20000	✓
	Mount Alterations & Improvements to the Barrel racks in the Reserve Powder Magazine	2505	882	1623	1623	✓

North Arcot	Vellore Fort Constructing draw Bridge		6450	"	Rs 6450 are surrendered as per statement of modifications.
Presidency	Minor new works Madras Gun Carriage Factory Improvements to 2 Gun sheds	2420 "	2420	"	Rs. 2420 are surrendered as per Remarks against Clair No. 576.
	Ammunition boxes	1941 "	2416	1714	Rs 726 are surrendered as per statement of modification
Do.	Ennore Iron		15106	15910	Rs 804 are required
Chengleput	Do		3212	4950	Rs 1738 are required as per statement — Do —
North Arcot	Do		70	70	

Repairs

Presidency Division		165000	165000
Chengleput Division		25000	30,000 Rs 5000 are required as per statement of modifications.
North Arcot Division		2000	2000
South Arcot Division		180	180.

Supg: Engr Office
Camp Bangalore
23rd October 1883

Superintending Engineer 5th Circle

Nilgiris 10856

To,

The Chief Engineer

P. W. Department

Dated 23rd October 1888

Ry 25

SECRETARY TO GOVERNMENT
25 OCT. 88
P.W. DEPARTMENT, MADRAS

No 3186

Imperial Military Fund

—

Statement of probable Expenditure on works during 1888-89. 3945-46 1/

6th Circle

Original Works for the year 1889-90.

I.W. Rundall
Superintending Engineer
Nilgiri Circle

9

Imperial

Military Works

Nilgiris

Detail of the Budget Estimate for the year 1889-90

Superintending Engineer's Office
Fort St. George, 24 September 1888.

Imperial Military Works.

Part II

Detail of Budget Estimate of Repairs of Public Works under Imperial Military Work for the year 1889-90.

Heads of classification	Division	Locality	Items	Estimate 1889-90 Amount	Estimate 1889-90 Total	Estimate 1888-89 Amount	Estimate 1888-89 Total
Accommodation for Troops	Tinnevelly	Tuticorin	Repairs to Buildings	3,800			
			Repairs or maintenance of Cantonment Roads	1,200	5,000	5,000	5,000
Rent of buildings for accommodation of Subordinates	Tanjore	Kumbakonam and Trangubar	Hire for Quarters for Medical Subordinates	500	500	500	500
do	Madura	Madura	do Sergt Instructor South Indian Railway Volunteer Rifle Corps	240	240	240	240
do	Tinnevelly	Tuticorin	do for do and for				
			Carried Over	-	5740	-	5740

Heads of classification	Division	Locality	Items	Estimate 1889-90 Amount	Estimate 1889-90 Total	Estimate 1888-89 Amount	Estimate 1888-89 Total
			Brought over	-	5740	-	5740
			Medical — Subordinate in charge of dispensary	540	540	600	600
			Total	-	6280	-	*6340

*This is the grant sanctioned in G. O. No. 1969 Mil of 2nd July 1888.

I. W. Rundall
Superintending Engr
VI Circle

Superintending Engineer's office
Trichinopoly 24th September 1888.
cdp 29.

VI Circle.

From,
The Supg Engr
VI Circle,
Trichinopoly.

To, The Chief Engineer,
Public Works Dept
Madras

No 1479 T S

Dated 24th } September 1888
Despd 29th }

Imperial Military.

Budget Estimate of
Imperial Military Works
and Repairs proposed
to be carried out by the
Public Works Department,
for the year 1889-90.

1P

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SECRETARY TO GOVERNMENT
14 NOV. 88
P.W. DEPARTMENT MADRAS

No. 2143-M-W.

Accounts.

GOVERNMENT OF INDIA.

MILITARY DEPARTMENT.

Simla, the 6th November 1888.

It is requested that the above heading, with number and date of this communication, may be quoted in any subsequent correspondence on this subject.

RESOLUTION.

THE following provisional distribution of the annual Imperial grant of one crore of rupees for Military Works in 1889-90, is hereby notified:—

	Rs.
Rajputana and Central India	3,00,000
Hyderabad	3,00,000
Military Works Department	59,50,000
Central Provinces	1,50,000
Lower Burma	3,50,000
Assam	2,80,000
Bengal	60,000
North-Western Provinces and Oudh	10,000
Punjab	2,50,000
Madras	6,00,000
Bombay	12,50,000
Ordnance Works	3,00,000
Marine Works	1,00,000
Total ...	99,00,000
Leaving for reserve with the Government of India ...	1,00,000
	1,00,00,000

2. The above allotments include provision for any expenditure that may be incurred in England on stores for works classified as Military.

3. The distribution of the grants for Ordnance and Marine will be made by the Director General of Ordnance and the Director of Indian Marine, respectively. These officers will communicate to the Local Governments and Administrations concerned the works which they desire to have undertaken during 1889-90, and the amounts available for each work, which amounts will then be included by the Local Governments and Administrations concerned in their budget estimates for Military Works.

4. The preliminary budget estimates should be prepared for the amounts now provisionally sanctioned, together with the allotments, if any, made by the Director General of Ordnance and Director of Indian Marine, and should be submitted so as to reach the Government of India punctually by the 15th January 1889.

5. Orders regarding the grant for Military Works in Upper Burmah will issue hereafter.

The Governments of Madras, Bombay, Bengal, North-Western Provinces and Oudh, and Punjab, in the Public Works Department.
The Chief Commissioners, Central Provinces, Burma and Assam.
The Resident at Hyderabad.
The Agent, Governor General, Rajputana and Central India.
The Inspector General, Military Works.
The Director General of Ordnance in India.
The Director, Indian Marine.

ORDER.—Ordered that a copy of the foregoing Resolution be forwarded to Local Governments and Administrations noted in the margin, for information and guidance.

Ordered also that a copy be forwarded to—

The Quartermaster-General in India.

The Accountant-General, Public Works Department.

The Accountant-General, Military Department, for information.

By order,

Secretary to the Government of India.

To,

The Secretary to the Government of Madras,
Public Works Department

G. C. Press, Simla.—No. 2733 M. D.—7-11-85—470.

No 4554 C of 17th November 1888

Statement of Major Works proposed to be carried out in 1889-90, to accompany letter No. 2 dated to the Surveyor General.

Presidency &c.	Locality	Item No.	Projects and Works.	Amount of Estimate	Outlay up to 1887-88	Outlay probable during 1888-89	Proposed grant for 1889-90.	Remarks
			Imperial Ordnance Military Major Works.					
West Coast	Malapuram	1	Barracks for a detachment British Infantry to accommodate 50 additional men	1,90,352	139,673	20,000	20,000 ✓A	G.O. No. 3165W dated 8th Oct. 1888 Item 2 Class A Works, Budget of 1888-89.
do	Calicut	2	Sheds for Transport animals	11,265	"	3,310	5000 ✓A	G.O. No. 3302W dated 17th Oct. 1888 Item 10 Class B works, Budget of 1888-89
Anglo Pat	Secunderabad	3	New barracks.	1,66,885	6,607	20,000	30,000 ✓A	G.O. No. 465W dated 19th Feb. 1889. Revised estimate is awaited Item 2 Class B works, Budget of 1888-89.
Nilgiris	Wellington	4	Quarters for 3 Asst Surgeons	16,000	"	6,500	9,500 ✓A	G.O. No. 2468W dated 13th August 1888 Item 1 Class B Work, Budget of 1888-89
Presidency	Bangalore	5	Additions to public building Madras Infantry Regiment for a Pioneer Regiment	30,346	24,903	5,000	5,000 ✓A	G.O. No. 3237 W dated 12th October 1888. Item 3 Class A works, Budget of 1888-89
do	do	6	Public buildings for a Regiment of Native Cavalry	30,990	"	"	20,000 ✓B	G.O. No. 1300W dated 25th May 1886. Item 41 Class C works, Budget of 1888-89.
do	Fort St. George	7	Converting the old Adjutant Genl's office into barracks for Engineers	25,097	15,586	3,820	5,400 ✓A	G.O. No. 3000 W dated 9th November 1887

No 4554 C of 17 December 1888

Statement of Major Works proposed to be carried out in 1889-90, to accompany letter No. A :dt to the Secretary Military Department

Executive Dist	Locality	Item No	Projects and Works	Amount of Estimate	Outlay up to 1887-88	Outlay probable during 1888-89	Proposed grant for 1889-90	Remarks
Presidency	Fort St George	8	Converting the block of building containing the main guard, No 6 Captains quarters and 6 Subaltern Officers' quarters into barracks for single men	5785			5785	GO No 26126 of 24th Aug 1888
Bellary	Bellary	9	New saddle rooms for Madras Cavalry Regt	15,000				Estimate is awaited
"	"	10	Institutes of Artillery Regiments and Batteries in the Presidency	10,000				Estimates are awaited

No 4554e of 17th November 1888

Statement of Major Works proposed to be carried out in 1889-90, to accompany letter No. 2 dated to the Secretary Master General.

Executive Dte	Locality	Item No	Projects and Works	Amount of Estimate	Outlay up to 1887-88	Outlay probable during 1889-90	Proposed grant for 1889-90	Remarks
Bellary	Cantonment Bellary	11	New Mess house and cubicles for Mess Camps				6,705	Estimate is awaited
Presidency	Madras	12	Alterations to the Rifle Ranges at Vyasarpady	6,076			6,076	G.O. No 3150 W dated 8th Oct 1888. Funds were promised to be provided in the budget for 1889-90.
North Arcot	Vellore	13	Providing accommodation in the Fort for two companies Native Infantry	2490				Estimate is awaited
			Total	14,1956.				

Form No. 20 A. / 7 B.

21

QUARTER MASTER GENERAL'S OFFICE,

Ootacamund,

23rd November 1888.

No. 4500-A

87

From

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

QUARTER MASTER GENERAL,

To

THE SECRETARY TO GOVERNMENT,

Public Works ~~MILITARY~~ DEPARTMENT.

SIR,

In acknowledging the receipt of ymr letter No: 4557-C 8/17" Instant intimating the amount of the grant made by the Government of India to this Presidency for Imperial Military works in the Coming year and Submitting proposals for the distribution available out of it for Major Works I am desired to state that the Commander-in-Chief accepts the allotments proposed by ymr, Subject to the following modifications.

* Statement hereunto returned.

Item 2. The Sheds being built this year for Transport Animals at Cuddalore with the allotment of Rs: 3310/ are all that are Emergently wanted and in His Excellency's opinion the Construction of the remainder might be allowed to Stand over until funds can be more Conveniently found for them

Item 9. The Madras Cavalry Regiment at Bellary at present has Saddle rooms and though they are not good ones, His Excellency Considers the provision of new ones to replace them

them might be made gradually and accordingly
mmed prefer that the allotment proposed
for this work in the Coming year be reduced
to Rupees 10,000.—

2. The amount set free under the
suggestions above put forward is Rs: 10,000.
which Hr Excellency mmed might added
to the allotment for Institutes in the
Coming year so that funds may be thus
available not only for execution of the
additions and alterations proposed to be
made to existing buildings in Connection
with these Institutions at different Stations
but also for making a Commencement
with the new buildings required at
St Thomas' Mount and Wellington.—

I have the hmr to be
Sir
Your obedt Servant
W. Pitman Brig. General
Q. Master General
HR.

Military (1888) Department.

No.

From

THE QUARTER MASTER GENERAL,

To

THE SECRETARY TO GOVERNMENT,

P.W. ~~MILITARY~~ DEPARTMENT.

No. 4500-A

Dated 23rd November
Received

SECRETARY TO GOVERNMENT
26 NOV. 88
P.W. DEPARTMENT, MADRAS

ENCLOSURES.

Copy of Abstract of Estimate for Major Works for 1889/90 with certain modifications.

ORDNANCE DEPARTMENT.

No. 35 Ton

FROM

THE DIRECTOR-GENERAL OF ORDNANCE in India

To

THE Secretary to the Govt. of Madras
Public Works Department
Madras

Dated ~~Simla~~ Calcutta the 4th Dec. 1888

Sir,

With reference to your letter No. 4553 C. dated 17th, and telegram dated 30th Nov. 1888, I have the honor to allot funds as follows to Ordnance works in the Madras Circle for the ensuing official year, 1889/90, out of the grant of Rs 3,00,000/- placed at my disposal by the Government of India by Military Dept. Resolution No 2143 M.D. of the 6th ultimo.

A	Workshops, Bellary arsenal		15,992/-
B	Quarters for warrant and non Commissioned officers	do	15,000/-
B	Timber shed	do	2590/-
B	Shed for Camp & equipage section, Madras arsenal		6935/-
B	Workshops, Gun Carriage Factory, Madras		19,483/-
			60000
	Percentage for tools, &c		14,700
	Petty & minor works, including percentage for tools, &c		10,000
		Total	84,700

I have the honor to be, Sir,
Your most obedt. Servt.
W.F. Lowis Colonel
Director Genl of Ordnance in India

SECRETARY TO GOVERNMENT
P.W. DEPARTMENT, MADRAS

Rec'd 1888

Hw
/8/

No 39456

PUBLIC WORKS DEPARTMENT.

12R

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the Dec^r 18 1888

READ the following

From the Supt^g Engineer I Circle. M. E. No: 419 E.^r d/13^th October 1888.
——— do ——— II Circle d/1^st October 1888 (one statement)
——— do ——— III Circle d/2^d October 1888 (two statements)
——— do ——— IV Circle. M. E. No: 422 E. W. d/1^st October 1888
——— do ——— V Circle. M. E. No: 3164 d/23^d October 1888
——— Do ——— do — M. E. No: 3166 d/23^d October 1888
——— Do ——— VI Circle. M. E. No: 1479 T. J. d/24^th September 1888.
Resolution from the Govt. of India, Military Department. M. E. No: 2143 M. W. d/6^th November
From the Quarter Master General, Madras. M. E. No: 4530 A d/23^d November 1888
——— Director General of Ordnance in India. M. E. No: 35 d/4^th December 1888

In their resolution above recorded, the Govt. of India have assigned a provisional grant of Rs. 6,00,000 for expenditure on Military works in this Presidency during 1889-90. The amount distributed under Departmental heads will be as shown below:—

Works	Rs. 4,82,800
Establishment	111,950
Tools and Plant	7200
Total	Rs. 6,00,000

Rec'd
17 Dec

and, with reference to para 3 of the resolution, the Director General of Ordnance in India has made the following allotments for Ordnance Works

Major original works	Rs. 69,000
Minor original works	" 8,050
Establishment	" 15,650
Tools and Plant	" 1,000
Total	Rs. 84,700

The Military works budget estimate for 1889-90 has therefore been fixed at Rs. 6,84,700, which distributed under the departmental heads, will be as follows:-

Works	Rs. 5,48,900
Establishment	" 127,600
Tools and Plant	" 8,200
Total	Rs. 6,84,700

Of Rs. 4,80,850 available for military works, the following lump sums have been set apart:-

(a) Incomplete major works	Rs. 13,900
(b) — do — minor works	" 10,000
(c) New minor works	" 15,000
(d) Repairs	" 3,00,000
	Rs. 3,38,900

And the balance, Rs. 141,950, has been distributed to other individual works with the approval of His Excellency the Commander-in-Chief.

No provision has been made

for the construction of sheds for transport animals at Calicut, as in the opinion of H.E. the Commander-in-Chief, the sheds now under construction are all that are emergently required, and the construction of the remaining sheds can stand over until funds can conveniently be found for them.

5. The amounts set apart for repairs and incomplete works will, as usual, be held at the disposal of Govt., and distributed early next year on receipt of detailed proposals from Supdg. Engineers.

6. The sum of Rs. 15,000 set apart for minor new works will, with its reference to G.O. No. 2166 W dt 29th August 1888, be placed at the disposal of Officers commanding Divisions and Districts.

7. The distribution, made by the Director General of Ordnance, of the grant for major ordnance works has been adopted; and of the sum of Rs 8,050 (or Rs. 10,000 inclusive of percentage charges for "Establishment" and "Tools and Plant") provided for

G.O. 1969.W dy 2-7-88
" 4808C dy 30-11-88
" 4557.C dy 17-11-88
" 4553.C dy 17-11-88
G.O. 3105+3106 W dy 4-10-88
" 3302 W dy 17-10-88
" 2665 W dy 29-8-88

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minor Ordnance Works, Rs 3,050 have been reserved with the Govt. for incomplete works, and the balance Rs. 5,000, has been placed at the disposal of the Inspector General of Ordnance, to whom Supdg. Engineers should apply for funds required for minor new works of 1889-90.

8. The Supdg. Engineers concerned will submit, with the least possible delay, plans and estimates for the unsanctioned works for which funds have been provided in the budget.

9. Works for which estimate have not been sanctioned have been entered in the budget at the request of the Quarter Master General and the Director General of Ordnance, and it is hoped that the estimates for them will shortly be ready. The Govt. of India will therefore be requested to allow the amounts provided for them to stand.

10. With these remarks, the preliminary issue of the Imperial Military Works Budget for 1889-90 will be printed and circulated to the officers concerned for information and guidance, and four copies forwarded to the Govt. of India, Military Department.

H. E. No. 3946 W dated Dec 18 1888

Forwarded.

15.12.88

17/12/88

To

Supdg. Engineers
The Examiner P. W. Accts
" Military Department
" Financial Department
" Director General of Ordnance in India.

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- 4553.C d/17-11-88
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- 3302 Hr d/17-10-88
- 2665 Hr d/29-8-88

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Govt. of (1888) Madras.

PUBLIC WORKS.

Dated

Rcvd. Encl.

G.O., 10 Dec 1888, No. 3945 W

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Budget for 1889-90

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Orders circulating the preliminary issue

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Budget for 1889/90

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Forward copies of the preliminary issue

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