(1) பக்கங்களின் எண்ணிக்கை 32

(2) புதுக்கித் திருப்பிய நாள் 11/89

(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம்

தமிழ்நாடு ஆவணக் காப்பகம்.

(23)

தமிழ்நாடு அரசு

P.W.D. துறை

அரசாணை எண். மு. கோப்புத் தாள் எண்.	1106	அச்சகம் பலவகை

நாள் : 25-4-1889 198 .

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16 Sheets

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PRELIMINARY ISSUE.

IMPERIAL.
MILITARY WORKS.

C106 1106

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.

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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 Detail Estimate.	Actuals, 1887-88.	Budget-Estimate, 1888-89.	Revised Estimate, 1888-89.	Budget-Estimate, 1889-90.
		Rs.	Rs.	Rs.	Rs.
Original Works { In progress / Not commenced	...	1,30,814	2,08,550	2,15,092	1,12,842 / 1,36,058
Repairs ... ... { Ordinary / Special	...	2,96,596	3,00,000	2,93,400	3,00,000
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.

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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 Department.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Provision from Imperial Funds.												
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 ABOVE 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.				

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IMPERIAL.
MILITARY WORKS.

PART

DETAIL OF THE BUDGET-ESTIMATE FOR

CLASS A

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.	West Coast.	Malapuram ...	1	Barracks for a detachment of British Infantry to accommodate 50 additional men.	1,91,412
	Chingleput.	Poonamallee ...	2	New barracks	1,66,885
	Nilgiri ...	Wellington ...	3	Quarters for three Apothecaries ...	16,000
	Presidency.	Fort St. George	4	Converting the old Adjutant-General's office into barracks for single men.	25,097
1. *Accommodation for troops*— Buildings for Native troops.	Do.	Bangalore ...	5	Additions to public buildings, Madras Infantry Regiment, for a Pioneer Regiment.	30,346
2. *Ordnance works* ...	Bellary ...	Bellary ...	6	New workshops for the Arsenal ...	45,500
				Total ...	...

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.		
Rs.	Rs.	Rs.	Rs.	Rs.		
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.
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.
...	6,500	9,500	...		3	G.O., No. 2448 W., dated 13th August 1888. Item No. 1, class B works, budget of 1888-89.
15,586	3,820	5,400	...	64,900	4	G.O., No. 3000 W., dated 9th November 1887.
21,903	3,210	5,000	...	5,000	5	G.O., No. 3237 W., dated 12th October 1888. Item No. 3, class A works, budget of 1888-89.
6,889	22,650	15,992	...	15,992	6	G.O., No. 2527 W., dated 17th August 1888. Item No. 5, class B works, budget of 1888-89.
...	...	85,892	...	85,892		

PART I—*cont.*

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

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.	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.	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	...	...	...	5,785		1	G.O., No. 2612 W., dated 24th August 1888.
	Do. ...	Do. ...	2	Institutes of British Regiments and Batteries in the Presidency.	...	...	...	...	20,000	25,785	2	Estimates are awaited.
1. *Accommodation for Troops*—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., dated 25th May 1886. Item No. 41, 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 Infantry.	...	...	...	...	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., dated 18th June 1887.
	Do. ...	Do. ...	7	Timber-shed, Bellary Arsenal ...	...	...	...	...	2,590		7	Estimate is awaited.
	Presidency.	Madras ...	8	Shed for the camp equipage ...	6,935	...	...	...	6,935		8	G.O., No. 2558 W., dated 27th September 1887. Item No. 47, class C works, budget of 1888-89.
	Do. ...	Do. ...	9	Workshops, Gun Carriage Factory.	...	...	...	...	19,483		9	Estimate is awaited.
			10	Reserve with the Government for incomplete ordnance works.	...	...	...	3,050	...		10	
			11	Minor works under Ordnance ...	...	...	...	...	5,000	52,058	11	
7. *General Cantonment works.*	Bellary ...	Guntakal ...	12	New rest-house and site for the rest camp.	...	...	...	...	6,699		12	Estimate is awaited.
8. *Fortifications* ...	Presidency.	Madras ...	13	Alterations to the Rifle Ranges at Veyasarpaudy.	6,076	...	...	...	6,076	12,775	13	G.O., No. 3150 W., dated 8th October 1888.
			14	Reserve with the Government for incomplete major works.	...	...	...	13,900	...	13,900	14	
			15	Reserve with the Government for incomplete minor works.	...	...	...	10,000	...	10,000	15	
			16	New minor works	...	...	...	...	15,000	15,000	16	
				Total ...	...	...	...	26,950	1 36,058	1,63,008		
				Grand Total ...	...	...	...	1,12,842	1,36,058	2,48,900		

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.
				IMPERIAL ORDINARY.	Rs.
				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 [illegible]n.	...
	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
	Nilgiri ...	Wellington ...	6	Reroofing verandah of marriage range, European Infantry Barracks.	13,307
	Do. ...	Do. ...	7	Quartermaster's stores and office for British Infantry Regiment.	...
	Do. ...	Do. ...	8	A ward to accommodate 35 men, station hospital.	...
	Do. ...	Do. ..	10	Gymnasium, 2nd Royal Fusiliers.	...
	Do. ...	Do. ...	11	Quarters for three hospital purveyors.	4,750
	Do. ...	Ootacamund...	12	Constructing hut barracks for 500 men.	...
	Do. ...	Do. ...	13	Quarters for a Sub-Conductor attached to the Army headquarters.	...
	West Coast.	Calicut ...	14	Converting the Sapper hospital building on Stonehouse Hill into quarters for two Sergeant Instructors, N.V. Rifles.	3,600
	Presidency...	Bangalore ...	15	A new barrack with subsidiary buildings for 30 men.	...
	Do. ...	Do. ...	16	One block of two quarters for two Sergeants, "Queen's Own" Sappers and Miners.	...
				Quarters for Schoolmaster and Schoolmistress, Royal Artillery.	10,240

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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 1885. Item No. 3, class C works, budget of 1888-89.
...	...	...			2	Estimate is awaited. Item No. 2, class C works, budget of 1888-89.
			3,980			
...	...	...			3	G.O., No. 1384 W., dated 17th May 1888.
			4,290			
...	...	...			4	G.O., No. 320 W., dated 7th February 1884. Item No. 1, class C works, budget of 1888-89.
			6,140			
...	...	...			5	G.O., No. 771 W., dated 7th March 1888.
			3,046			
...	...	...			6	G.O., No. 3420 W., dated 15th December 1887.
			13,307			
...	...	...			7	Estimate is awaited.
			25,000			
...	...	...			8	Do.
			20,000			
...	...	...			9	Estimate is awaited. Item No. 8, class C works, budget of 1888-89.
			10,000			
...	...	...			10	G.O., No. 615 W., dated 21st February 1888. Item No. 49, class C works, budget of 1888-89.
			4,750			
...	...	...			11	Estimate is awaited.
			10,000			
...	...	...			12	Do.
			7,500			
...	...	...			13	G.O., No. 1068 W., dated 9th April 1888.
			3,600			
...	...	...			14	Estimate is awaited. Item No. 9, class C works, budget of 1888-89.
			20,000			
...	...	...			15	Estimate is awaited.
			3,000			
...	...	...			16	G.O., No. 2384 W., dated 20th September 1886. Item No. 28, class C works, budget of 1888-89.
			10,240			
...	...	...				

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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.	
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

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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.		
		...	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. 3385 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 1884. Item No. 15, class C works, budget of 1888-89.
...	...					

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APPENDIX B—*cont.*

LIST OF WORKS (OR CLASS C WORKS) OMITTED FROM THE BUDGET-ESTIMATE OF 1889-90, BUT ON WHICH EXPENDITURE MAY BE INCURRED DURING THE YEAR BY RE-APPROPRIATION FROM CLASS B WORKS—*cont.*

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.	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.	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	...	...	...	5,450		32	G.O., No. 1118 W., dated 14th April 1888. Item No. 16, class C works, budget of 1888-89.
	Do. ...	Do. ...	33	Quarters for three Medical Subordinates attached to the station hospital.	...	...	...	...	8,000		33	Estimate is awaited. Item No. 17, class C works, budget of 1888-89.
	Do. ...	Do. ...	34	Quarters for head-quarter staff, Royal Artillery.	...	...	...	...	12,000		34	Estimate is awaited. Item No. 18, class C works, budget of 1888-89.
	Do. ...	Do. ...	35	Battery office for P/1st Royal Artillery, east barracks.	3,700	...	...	...	3,700		35	G.O., No. 1552 W., dated 28th May 1888. Item No. 20, class C works, budget of 1888-89.
	Do. ...	Do. ...	36	Raising the roof of harness-room, Troop lines.	4,200	...	...	...	4,200		36	G.O., No. 3137 W., dated 17th December 1881. Item No. 21, class C works, budget of 1888-89.
Buildings for Native troops.	Vizagapatam	Vizianagrum.	37	Regimental store for Native Infantry, including storage for camp equipage.	3,480	...	...	...	3,480		37	G.O., No. 2628 W., dated 27th October 1884. Item No. 36, class C works, budget of 1888-89.
	Bellary ...	Bellary ...	38	New wing places-of-arms for two regiments, Madras Infantry.	...	...	...	...	60,000		38	Estimate is awaited.
	Do. ...	Do. ...	39	School-house for Native Infantry Regiment.	3,030	...	...	...	3,030		39	G.O., No 149 W., dated 17th January 1884. Item No. 37, class C works, budget of 1888-89.
	Nilgiri ...	Wellington ...	40	Quarters for 32 men, Army hospital, Native corps.	...	...	...	...	12,380		40	Estimate is awaited.
	West Coast.	Quilon ...	41	Armourers' shop	2,489	...	...	...	2,489		41	G.O., No. 3772 W., dated 29th November 1888.
	Do. ...	Cannanore ...	42	Quarters for eleven men of the Army hospital, Native corps.	...	...	...	...	3,670		42	Estimate is awaited.
	Chingleput.	Pallávaram ...	43	Magazine for Madras Infantry Regiment.	4,900	...	...	...	4,900		43	G.O., No. 334 W., dated 8th February 1886. Item No. 39, class C works, budget of 1888-89.
	Do. ...	Do. ...	44	Armourers' shop for Madras Infantry Regiment.	2,880	...	...	...	2,880		44	G.O., No. 3149 W., dated 22nd December 1884. Item No. 40, class C works, budget of 1888-89.
2. *Ordnance works.*	Do. ...	St. Thomas' Mount.	45	Wooden shed at the proof range ...	2,820	...	...	...	2,820		45	G.O., No. 3077 W., dated 13th December 1884. Item No. 48, class C works, budget of 1888-89.
	Presidency.	Madras ...	46	Constructing a coal store ..	...	...	...	...	10,000		46	Estimate is awaited.
	Do. ...	Do. ...	47	Providing sun-shades to doors and windows in the Ordnance lines.	4,160	...	...	...	4,160		47	G.O., No. 2248 W., dated 22nd August 1887. Item No. 46, class C works, budget of 1888-89.

APPENDIX B—cont.

LIST of WORKS (or CLASS C WORKS) omitted from the BUDGET-ESTIMATE of 1889-90, but on which EXPENDITURE may be INCURRED during the year by RE-APPROPRIATION from CLASS B WORKS—cont.

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.	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.	Rs.		
				Brought forward ...								
				IMPERIAL ORDINARY—*cont.*								
				MILITARY—*cont.*								
				Original Works—cont.								
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. 1245 W., dated 27th April 1888.
	Chingleput.	Guindy ...	52	Quarters for the station butcher attached to the slaughter-house.	3,600	...	...	...	3,600		52	G.O., No. 1259 W., dated 30th April 1888. Item No. 52, class C works, budget of 1888-89.
	Do. ...	Saidápet ...	53	Constructing a new road from the Mount Road direct to the slaughter-house.	3,468	...	...	...	3,468		53	G.O., No. 534 W., dated 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, Pudupet.	...	...	...	...	11,210		55	Estimate is awaited.
	Do. ...	Do. ...	56	Quarters for two Staff Sergeants at Pudupet.	...	...	...	...	3,500		56	Do.
	Do. ...	Do. ...	57	Quarters for a Conductor, Commissariat Department.	...	...	...	...	4,000		57	Estimate is awaited. Item No. 56, class C 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. ...	Bangalore ...	59	Quarters for a Conductor, Transport Department.	5,800	...	...	...	5,800		59	G.O., No. 992 W., dated 16th April 1886. Item No. 53, class C works, budget of 1888-89.
	Do. ...	Do. ...	60	Quarters for an Ambulance Sergeant near Cattle lines, Transport Department.	...	...	...	...	3,000		60	Estimate is awaited. Item No. 54, class C works, budget of 1888-89.
4. *Staff and Miscellaneous.*	Nilgiri ...	Ootacamund...	61	Water-supply, Lawrence Asylum.	12,350	...	...	...	12,350		61	G.O., No. 2139 W., dated 14th July 1888. Item No. 62, class C works, budget of 1888-89.
	Do. ...	Do. ...	62	Constructing a latrine for the boys at the Lawrence Asylum.	3,000	...	...	...	3,000		62	G.O., No. 2139 W., dated 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	...	...	...	2,846		63	G.O., No. 1261 W., dated 1st May 1888. Item No. 32, class C works, budget of 1888-89.

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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.
,, ,,	II ,,	,,	1st ,,	,,	(one statement).
,, ,,	III ,,	,,	2nd ,,	,,	(two statements).
,, ,,	IV ,,	,,	1st ,,	,,	No. 422 E.W.
,, ,,	V ,,	,,	23rd ,,	,,	,, 3164.
,, ,,	V ,,	,,	23rd ,,	,,	,, 3166.
,, ,,	VI ,,	,,	24th Sept.	,,	,, 1479 T.
,, ,,					
,,					

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.

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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. 10,000.

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.

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.

Exd. J. Henrious.
Spare Copies

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BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1888} Madras.

PUBLIC WORKS.

Dated December, 18th.

Recd.

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 —.

23RD NOVEMBER 1888, No. 3713 W., PUBLIC WORKS.

1106

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

READ—the following paper:—

From Brigadier-General M. PROTHEROE, C.B., C.S.I., Quartermaster-General, to the Secretary to Government, Military Department, dated Ootacamund, 30th October 1888, No. 4144-A.

I have the honor, by order, to forward, for sanction and transfer to the Public Works Department for disposal, the estimate, plans, &c., below-mentioned, which have been approved by the Commander-in-Chief. The plans and estimate have been countersigned:—

Estimate, amounting to Rs. 4,300, for constructing a bakery at Calicut, with report, specification and two plans.*

* One site-plan.

2. It having been found impracticable for sanitary reasons to carry out the work of converting the cook-room of one of the married quarters into a bakery at that station, which was sanctioned in G.O., No. 6745, of 26th November 1885, it has become necessary to provide for the construction of a new bakery for the purpose.

No. 7354, Military.

Approved and transferred to the Public Works Department for disposal.

(By order.)

FORT ST. GEORGE,
6th November 1888.

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

ORDER—dated 23rd November 1888, No. 3713 W., Public Works.

The estimate, amounting to Rs. 4,300, for constructing a bakery at the West Hill barracks, Calicut, is sanctioned in lieu of the estimate of Rs. 1,010 sanctioned in G.O., No. 2740 W., dated 16th November 1885, for converting the cook-room of one of the married quarters at that station into a bakery.

2. This sanction has been registered as Imperial Ordinary No. 46 W. of 1888-89 and classified as Military, Original Works.

(True Extract.)

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

To the Superintending Engineer, IV Circle,
" Examiner, Public Works Accounts, with six enclosures.
" Military Department. with copy of the abstract estimate.

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Exd. J. Henricus.
Spare Copies

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1888} Madras.

PUBLIC WORKS.

Dated November, 23rd.

Read.

Encl.

G.O., 23rd Nov. 1888, No. 3713 W.

NOVEMBER.

Bakery at the West Hill Barracks, Calicut

Estimate for — sanctioned in lieu of the estimate for converting the cook-room of one of the married quarters into a bakery.

Executive Engineer's Office
West Coast Division.
Camp Alleppy 25th March/89

No: 157

1106

From

Colonel A. J. Fraser, RE.,
Executive Engineer West Coast Dn.

To

The Superintg. Engineer
Fourth Circle.

Sir

With reference to para 2 of your Endorsement No 146 WC. of 11th instant on G.O. No 675 W of 8th idem, I have the honor to state that owing to the land about West Hill Barracks being privately owned, and tedious to obtain, the site for the Transport Lines was not made available by the Revenue Authorities till the 2d March 1889, and consequently building

15

building could not be begun.

2. It is not possible to collect more materials than to the value of Rs: 400 before the close of this official year.

3. The balance of Rs. 910 is being utilized on Malapuram Barracks as already intimated.

4. The Bakery at Malapuram could not be proceeded with during the year for want of funds, the general allotment of Rs. 20,000 being required for the Barracks and New Hospital Ward. Work at the Bakery has however been commenced.

I have, &c.,
(Signed) A. T. Fraser, Col: R.E.,
Executive Engineer.

No: 144
dw

Copy- Communicated to the Chief Engineer, P.W. Department for information with reference to G.O. No. 675 W of 8th ultimo.

ultmo:-

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A. Smith Lt: Col: R.E.,
Camp Calicut 3rd April 1893 Sup^g Engineer, 4th Circle

8.D.S.

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8. Bks 675 W a/c 8-3-88 80 Rks 3165/3166 W a/c 8-10-88
" 5749 W a/c 22-2-89
" A- 266 W a/c 1-2-89
" " 8713 W a/c 22-11-88
" " 3945-46 W a/c 16-12-88
" " 3392 W a/c 17-10-88

B. - 1106 W 2/25 - Appd

PWC No- 32817

From

The Supdg Engineer,

Fourth circle.

(3)-

Communicated to the Military Department with reference to Proceedings No: 1415 dy 26th February 1889

2. The Supdg Engineer will apply in his statements of demands for incomplete works, for the amount required for completing the sheds for the transport bullocks and elephants at Calicut.

3. The bakery at Mahpuram should be completed as early as practicable from the current year's grant for the barracks at that station.

Dated 3d April 89

No: 164

SW

Rs 1106 W 2/25 Appd Sdg

"Bakery at Wellington" and "Transport Lines at Calicut"-

Forwarding for information copy of letter from the Executive Engineer, West Coast Dn, reporting on the progress made on the

With Order.

15.4.89

17.4.89

Not

16

2/4/14

To the S.E. IV Circle

" Military Dept.

16/4

Dup 02 4914

29/4 1/5/14

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.	
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. 23, 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.
...	...					