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IIL NADU ARCHIVES

RNMENT OF TAMIL NADU

Public works DEPARTMENT

G.O. No. / B.P. No.	1893 W	Press. / Mis.
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14TH JULY 1887, No. 1893 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

READ—the following letter from the Officiating Secretary to the Government of India, Military Department, to the Secretary to the Government of Madras, Public Works Department, dated Simla, 1st July 1887, No. 1325 M.W. :—

In reply to your No. 1571 W., dated 11th June 1887, I am directed to convey the sanction of the Government of India to the re-allotment of the Rs. 9,000 held in reserve by the Government of Madras to the construction of the barracks with out-houses at Malapuram.

Vide Military Department No. 1672 M.W., dated 1st November 1886, para. 3, clause 1.

ORDER—dated 14th July 1887, No. 1893 W., Public Works.

Communicated to the officers concerned, with reference to G.O., No. 1570 W., dated 11th June 1887.

2. The total grant for the work will now stand at the original figure of Rs. 20,000, and the Superintending Engineer will see that the allotment is utilised.

(True Extract.)

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

To the Superintending Engineer, IV Circle.
" Examiner, Public Works Accounts.
" Military Department.

Exd. E. Fernandez.
Spare Copies

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1887} Madras.

PUBLIC WORKS.

Dated July, 14th.

Recd. *Encl.*

G.O., 14th July 1887, No. 1893 W.

JULY.

Barracks at Malapuram

The sanction of the Government of India to the re-allotment of the sum of Rs. 9,000 withheld from the grant originally proposed for the construction of — for an additional force of 50 men, communicated to the officers concerned.

FINAL ISSUE.

2/1893

IMPERIAL.
MILITARY WORKS.

MADRAS.

PUBLIC WORKS DEPARTMENT.

IMPERIAL BUDGET-ESTIMATE

OF

MILITARY WORKS

OF THE

GOVERNMENT OF MADRAS

FOR THE YEAR

1887-88.

CHEPÁK,
28th April 1887.

(Signed) J. O. HASTED, Colonel, R.E.,
Secretary to Govt., P.W.D.

B/1893

IMPERIAL.
MILITARY WORKS.

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IMPERIAL.
MILITARY WORKS.

MADRAS.

REVENUE.

ABSTRACT OF THE BUDGET-ESTIMATE OF REVENUE OF THE PUBLIC WORKS DEPARTMENT FOR MILITARY WORKS IN MADRAS FOR 1st APRIL 1887 TO 31st MARCH 1888.

	Budget-Estimate, 1887-88.	Revised Estimate, 1886-87.	Budget-Estimate, 1886-87.	Actuals, 1885-86.
	Rs.	Rs.	Rs.	Rs.
In Public Works Department	25,000	16,000	30,000	25,881
In Civil and Military Departments	...	...	...	...
Total ...	25,000	16,000	30,000	25,881

CHARGES.

ABSTRACT OF THE BUDGET-ESTIMATE OF EXPENDITURE OF THE PUBLIC WORKS DEPARTMENT OF MILITARY WORKS IN MADRAS FOR THE YEAR FROM 1st APRIL 1887 TO 31st MARCH 1888.

	Reference to Detailed Estimate.	Budget-Estimate, 1887-88.	Revised Estimate, 1886-87.	Budget-Estimate, 1886-87.	Actuals, 1885-86.
		Rs.	Rs.	Rs.	Rs.
Original Works. In progress ...	...	41,060	1,85,200	2,08,035	1,85,232
Original Works. Not commenced.	...	1,01,540			
Repairs ... ... Ordinary ...	...	3,00,000	3,17,700	3,10,465	1,73,187
Repairs ... ... Special ...	...	...			
Establishment	...	1,03,000	1,17,500	1,20,700	83,263
Tools and Plant	...	4,400	5,000	5,200	3,563
Suspense Account	...	...	...	...	...
Total ...	...	5,50,000	6,25,400	6,44,400	4,45,245

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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.

	Budget-Estimate, 1887-88. Original Works. In progress.	Not commenced.	Total.	Repairs.	Establishment.	Tools and Plant.	Suspense Account.	Barrack Department.	Total.	Revised Estimate, 1886-87.	Budget-Estimate, 1886-87.	Actuals, 1885-86.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Provision from Imperial Funds. In India ...	41,060	1,01,540	1,42,600	3,00,000	1,03,000	4,400	...	...	5,50,000	6,25,400	6,44,400	4,45,245
In England.	...	...	...	...	...	...	...	...	...	—2,000	...	— 236
Total ...	41,060	1,01,540	1,42,600	3,00,000	1,03,000	4,400	...	...	5,50,000	6,23,400	6,44,400	4,45,009
Provision from Contributions. In India ...	...	...	...	...	...	...	...	...	...	...	...	— 72
Grand Total.	41,060	1,01,540	1,42,600	3,00,000	1,03,000	4,400	...	...	5,50,000	6,23,400	6,44,400	4,45,081

STATEMENT SHOWING THE WORKS ON WHICH THE OUTLAY IN ENGLAND ABOVE PROVIDED FOR IS TO BE INCURRED.

	Budget-Estimate, 1887-88. Original Works. In progress.	Not commenced.	Total.	Tools and Plant.	Suspense Account.	Total.	Revised Estimate, 1886-87.	Budget-Estimate, 1886-87.	Actuals, 1885-86.
							Rs.		Rs.
	...	...	...	...	...	...	2,000	...	236
Total ...	...	...	...	...	...	...	2,000	...	236

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.	1,35,802
Accommodation for Native troops.	Presidency.	Bangalore ...	2	Public buildings for a regiment of Native infantry.	21,636
	Trichinopoly.	Trichinopoly.	3	Construction of stone drains required for new lines.	...
				Total ...	...

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MADRAS.

I.

ORIGINAL WORKS FOR THE YEAR 1887-88.

WORKS.

Outlay.		Grant, 1887-88.			Item No.	Remarks and References.
Actual to end of 1885-86.	Probable during 1886-87.	Works in progress.	Works not commenced.	Total.		
Rs.	Rs.	Rs.	Rs.	Rs.		
1,14,981	8,315	11,000	...	11,000	1	G.O., No. 2305 W., dated 13th September 1886; No. 560 W., dated 24th February 1887. Item No. 1, class A works, budget of 1886-87. Supplemental estimate for Rs. 38,940 forwarded to the Government of India for sanction.
...	15,000	6,636	—		2	G.O., No. 2952 W., dated 29th November 1884. Item No. 11, class B works, budget of 1886-87.
...	1,000	5,140	...	11,776	3	Estimate is awaited. Item No. 13, class B works, budget of 1886-87.
...	...	22,776	...	22,776		

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.	Bellary ...	Bellary ...	1	Collar maker and wheeler's shop, Royal Artillery.	5,663
	Nilgiri ...	Wellington ...	2	Quarters for three Apothecaries ...	...
	Do. ...	Do. ...	3	Quarters for a Barrack Serjeant ...	7,348
	Presidency.	Fort St. George	4	Converting a racquet court into a covered gymnasium.	11,200
	Chingleput.	St. Thomas' Mount.	5	Removing and reconstructing 11 cook houses attached to P/1st, and Q/1st, Royal Artillery.	2, 970
Accommodation for Native troops.	Presidency.	Bangalore ...	6	Public buildings for a regiment of Native cavalry.	50,990
	Do. ...	Do. ...	7	Store rooms and workshops for the Pioneer regiment.	4,740
(2) *Ordnance Works* ...	Bellary ...	Bellary ...	8	Twelve Staff Sergeants' quarters, Ordnance Department.	...
	Presidency.	Fort St. George.	9	Adapting the existing magazine for storage of powder for Fort armament.	...
	Do. ...	Madras ...	10	Coal store, Ordnance Department.	...
(3) *Fortifications* ...	North Arcot.	Vellore ...	11	Draw bridge and gate for the Fort	6,450
				Minor Works and Reserve ...	...
					1
				Total ...	...
				Grand Total ...	...

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1893

MADRAS.

I—*cont.*

ORIGINAL WORKS FOR THE YEAR 1887-88.

WORKS.

Outlay.		Grant, 1887-88.			Item No.	Remarks and References.
Actual to end of 1885-86.	Probable during 1886-87.	Works in progress.	Works not commenced.	Total.		
Rs.	Rs.	Rs.	Rs.	Rs.		
...	1,084	4,579	...		1	G.O., No. 914 W., dated 3rd April 1884, Item No. 3, class C works, budget of 1886-87.
...	...	...	16,000		2	Estimate is awaited.
...	3,213	4,135	...		3	G.O., No. 1941 W., dated 21st August 1885.
2,040	280	9,570	...		4	G.O., No. 1552 W., dated 20th June 1884, Item No. 17, class C works, budget of 1886-87.
...	...	...	2,970	37,254	5	G.O., No. 1311 W., dated 23rd April 1887.
...	...	...	10,000		6	G.O., No. 1302 W., dated 25th May 1886, Item No. 36, class C works, budget of 1886-87.
...	...	...	3,000	13,000	7	G.O., No. 534 W., dated 24th February 1887. Item No. 35, class C works, budget of 1886-87.
...	...	...	10,000		8	Estimate is awaited.
...	...	...	17,000		9	Do. do.
...	...	...	9,000	26,000	10	Do. do.
...	...	...	3,583	3,583	11	G.O., No. 528 W., dated 7th March 1885, Item No. 54, class C works, budget of 1886-87.
...	...	...	29,987	29,987		
...	...	18,284	1,01,540	1,19,824		
...	...	...	...	1,42,600		

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IMPERIAL
MILITARY WORKS.

LIST OF WORKS for CLASS C WORKS omitted from the BUDGET-ESTIMATE of 1887-88, and APPENDIX B. CLASS

	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	Armourer's shop, 2nd Light Cavalry.	2,695
		Do. ...	Do. ...	2	A new gun-shed, Royal Artillery.	...
		Do. ...	Do. ...	3	Swimming-bath, British infantry.	7,644
		Do. ...	Do. ...	4	Infectious disease ward and cook-house, Station hospital.	6,140
		Do. ...	Do. ...	5	Alterations and additions to Military prison and adjoining buildings.	...
		Do. ...	Do ...	6	Armourer's shop for the Arsenal...	...
		Nilgiri ...	Wellington ...	7	Gymnasium	...
		Do. ...	Do. ...	8	Constructing a new Lock hospital.	...
		Do. ...	Do. ...	9	Accommodation for a mountain battery.	...
		West Coast.	Calicut ...	10	Providing barrack accommodation for 100 men.	...
(2)		Do. ...	Cannanore ...	11	Plunge-bath for European Infantry barracks.	4,650
		Do. ...	Do. ...	12	Improving latrines for European Infantry barracks.	2,780
		Do. ...	Do. ...	13	Improving the roof of regimental guard rooms, European Infantry barracks.	...
(3)		Presidency.	Fort St. George.	14	Remodelling drainage	...
		Do. ...	Madras ...	15	Constructing coach-houses and stables on the esplanade in front of the Body Guard lines for use of officers in Fort St. George.	...
		Do. ...	Bangalore ...	16	Constructing V drains round the single men's blocks.	...
		Do. ...	Do. ...	17	Quarters for schoolmaster and schoolmistress.	10,240

B.

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

Outlay. Actual to end of 1885-86.	Outlay. Probable during 1886-87.	Amount applied for 1887-88. Works in progress.	Amount applied for 1887-88. Works not commenced.	Amount applied for 1887-88. Total.	Item No.	Remarks and References.
Rs.	Rs.	Rs.	Rs.	Rs.		
			2,695		1	G.O., No. 2266 W., dated 14th September 1881. Item No. 6, class C works, budget of 1886-87.
...	...	...			2	Estimate is awaited.
			2,979		3	G.O., No. 2434 W., dated 19th October 1885. Item No. 4, class C works, budget of 1886-87.
		...	7,644			
...	...	...				
...	...				4	G.O., No. 320 W., dated 7th February 1884. Item No. 5, class C works, budget of 1886-87.
			6,140			
...	...	...			5	Estimate is awaited. Item No. 2, class C works, budget of 1886-87.
			11,260			
...	...	...			6	Estimate is awaited.
			4,650		7	Estimate is awaited. Item No. 7, class C works, budget of 1886-87.
...	...	...	10,000		8	Estimate is awaited. Item No. 9, class C works, budget of 1886-87.
...	...		4,180		9	Estimate is awaited.
...	...	...	10,000		10	Estimate is awaited. Amount not shown by the Military Department.
...	...	...			11	G.O., No. 418, dated 16th February 1876. Item No. 11, class C works, budget of 1886-87.
7	...	...	4,633		12	G.O., No. 1056 W., dated 4th April 1879. Item No. 12, class C works, budget of 1886-87.
...	...	...	2,780		13	Estimate is awaited.
...	...	...	5,060		14	Estimate is awaited. Item No. 13, class C works, budget of 1886-87.
...	...	...	10,000		15	Estimate is awaited.
...	...	...	15,770		16	Do. do.
			7,680		17	G.O., No. 2384 W., dated 20th September 1886. Item No. 19, class C works, budget of 1886-87.
...	...	...	10,240			
...	...	...				

IMPERIAL
MILITARY WORKS.

LIST OF WORKS (OR CLASS C WORKS) OMITTED FROM THE BUDGET-ESTIMATE OF 1887-88, BUT ON

APPENDIX

CLASS B

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.
					Rs.
				IMPERIAL ORDINARY—*cont.*	
				MILITARY—*cont.*	
				Original Works—cont.	
(1) *Accommodation for troops*— Buildings for European troops in the plains. Permanent.	Presidency.	Bangalore ...	18	New orderly room for 12th Lancers, or conversion of Quartermaster's stores into orderly room and stores.	...
	Do. ...	Do. ...	19	Quarters for Senior Apothecary, North Station hospital.	5,300
	Do. ...	Do. ...	20	Quarters for the Assistant Apothecary, North Station hospital.	4,773
	Chingleput.	St. Thomas' Mount.	21	A wheeler and collar maker's shop, West barracks.	5,660
	Do. ...	Do. ...	22	Sergeants' Mess for East barracks.	...
	Do. ...	Do. ...	23	General improvements to the drains of the cantonment.	...
	Do. ...	Do. ...	24	Quarters for three Medical Subordinates, Station hospital.	...
	Do. ...	Do. ...	25	Quarters for head-quarter's staff, Royal Artillery.	...
	Do. ...	Do. ...	26	Battery office for P/1st Royal Artillery.	...
	Do. ...	Do. ...	27	Raising the roof of harness rooms, troop lines.	4,200
	Do. ...	Do. ...	28	Wooden shed at the proof range ...	2,820
	Do. ...	Do. ...	29	Converting the disused gun shed between the North barracks and the main guard into a coffee shop, recreation room, and library.	2,520
	Do. ...	Pallávaram ...	30	One mortuary room for each of the three hospitals, Nos. 1 to 3.	...
	Do. ...	Poonamallee.	31	Improvements to the old barracks with possibility of obviating construction of the new.	...
	Do. ...	Do. ...	32	Warrant officers' quarters ...	...
	Do. ...	Do. ...	33	Two Staff Sergeants' quarters, first class.	...
	Do. ...	Do. ...	34	Coffee shop	...

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MADRAS.

B—*cont.*

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

Outlay.		Amount applied for 1887-88.			Item No.	Remarks and References.
Actual to end of 1885-86.	Probable during 1886-87.	Works in progress.	Works not commenced.	Total.		
Rs.	Rs.	Rs.	Rs.	Rs.		
...	...	...	6,500		18	Estimate is awaited.
...	...	...	5,300		19	G.O., No. 3385 W., dated 27th November 1883. Item No. 20, class C works, budget of 1886-87.
...	...	...	4,773		20	G.O., No. 938 W., dated 5th April 1884. Item No. 21, class C works, budget of 1886-87.
...	...	...	5,660		21	G.O., No. 2717 W., dated 3rd November 1884. Item No. 24, class C works, budget of 1886-87.
...	...	...	6,000		22	Estimate is awaited.
...	...	...	10,000		23	Do. do.
...	...	...	8,000		24	Do. do.
...	...	...	12,000		25	Do. do.
...	...	...	5,000		26	Do. do.
...	...	...	4,200		27	G.O., No. 3137 W., dated 17th December 1881. Item No. 25, class C works, budget of 1886-87.
...	...	...	2,820		28	G.O., No. 3077 W., dated 13th December 1884. Item No. 26, class C works, budget of 1886-87.
...	...	...	2,520		29	G.O., No. 1234 W., dated 28th May 1885. Item No. 27, class C works, budget of 1886-87.
...	...	...	3,000		30	Estimate is awaited. Item No. 28, class C works, budget of 1886-87.
...	...	...	5,000		31	Estimate is awaited.
...	...	...	3,500		32	Do. do.
...	...	...	6,000		33	Do. do.
...	...	...	9,000		34	Do. do.

IMPERIAL.
MILITARY WORKS.

APPENDIX

LIST OF WORKS (OR CLASS C WORKS) OMITTED FROM THE BUDGET-ESTIMATE OF 1887-88, BUT ON CLASS B

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.
					Rs.
				IMPERIAL ORDINARY—*cont.*	
				MILITARY—*cont.*	
				Original Works—cont.	
(1) *Accommodation for troops*—Buildings for Native troops.	Vizagapatam	Vizianagrum.	35	Regimental store room for Native infantry, including storage for camp equipage.	3,480
	Bellary ...	Bellary ...	36	School-house for the Native Infantry regiment.	3,030
	West Coast.	Quilon ...	37	Sepoy lines	...
	Do. ...	Mangalore ...	38	Providing drains for the lines of the Native infantry.	...
	Presidency.	Madras ...	39	Constructing four latrines, two for males and two for females for Native Infantry lines at Perambúr.	...
	Do. ...	Do. ...	40	Flushing drains for Native Infantry lines at Ráyapuram.	4,300
	Chingleput.	Pallávaram ...	41	Magazine for a Madras Infantry regiment.	4,900
	Do. ...	Do. ...	42	Armourer's shop for a Madras Infantry regiment.	2,880
	Trichinopoly.	Trichinopoly.	43	Workshops for a Pioneer regiment.	...
(2) *Ordnance Works.*	Presidency.	Madras ...	44	Compound wall round the Gunpowder Factory.	...
	Do. ...	Do. ...	45	Extra accommodation as store-rooms in the Gunpowder Factory.	...
(3) *Commissariat Buildings.*	West Coast.	Calicut ...	46	Mule and cattle shed	...
	Presidency.	Bangalore ...	47	Quarters for a Conductor, Transport Department.	5,800
	Do. ...	Do. ...	48	Quarters for Ambulance Sergeant, near Cattle lines, Transport Department.	...
	Do. ...	Madras ...	49	Lines for transport attendants ...	...
	Do. ...	Do. ...	50	Workshops and sheds for carts, doolies, &c., Transport Department.	...
	Do. ...	Do. ...	51	Construction of a shed at the Camp Equipage Depôt.	...

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

Outlay.		Amount applied for 1887-88.			Item No.	Remarks and References.
Actual to end of 1885-86.	Probable during 1886-87.	Works in progress.	Works not commenced.	Total.		
Rs.	Rs.	Rs.	Rs.	Rs.		
...	...	...	3,480		35	G.O., No. 2628 W., dated 27th October 1884. Item No. 32, class C works, budget of 1886-87.
...	...	...	3,030		36	G.O., No. 149 W., dated 17th January 1884. Item No. 33, class C works, budget of 1886-87.
...	...	...	20,000		37	Estimate is awaited.
...	...	...	6,030		38	Do. do.
...	...	...	3,000		39	Do. do.
...	...	...	4,300		40	G.O., No. 1397 W., dated 4th June 1884. Item No. 34, class C works, budget of 1886-87.
...	...	...	4,500		41	G.O., No. 334 W., dated 8th February 1886. Item No. 38, class C works, budget of 1886-87.
...	...	...	2,880		42	G.O., No. 3149 W., dated 22nd December 1884. Item No. 29, class C works, budget of 1886-87.
...	...	...	8,000		43	Estimate is awaited.
...	...	...	20,200		44	Estimate is awaited. Item No. 39, class C works, budget of 1886-87.
...	...	...	6,000		45	Estimate is awaited. Item No. 49, class C works, budget of 1886-87.
...	...	...	4,000		46	Estimate is awaited.
...	...	...	5,800		47	G.O., No. 992 W., dated 16th April 1886. Item No. 51, class C works, budget of 1886-87.
...	...	...	3,000		48	Estimate is awaited.
...	...	...	45,000		49	Estimate is awaited. Item No. 49, class C works, budget of 1886-87.
...	...	...	5,500		50	Estimate is awaited. Item No. 50, class C works, budget of 1886-87.
...	...	...	5,300		51	Estimate is awaited. Item No. 48, class C works, budget of 1886-87.
...	...	...	...	...		

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APPENDIX B—*concld.*

LIST OF WORKS (OR CLASS C WORKS) OMITTED FROM THE BUDGET-ESTIMATE OF 1887-88, BUT ON WHICH EXPENDITURE MAY BE INCURRED DURING THE YEAR BY RE-APPROPRIATION FROM CLASS B WORKS—*concld.*

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.	Outlay.		Amount applied for 1887-88.			Item No.	Remarks and References.
						Actual to end of 1885-86.	Probable during 1886-87.	Works in progress.	Works not commenced.	Total.		
					Rs.	Rs.	Rs.	Rs.	Rs.	Rs.		
				IMPERIAL ORDINARY—*concld.*								
				MILITARY—*concld.*								
				Original Works—concld.								
(3) *Commissariat Buildings.*	Presidency.	Teynampet ...	52	Construction of a wheat godown ...	...	...	...	...	5,950	...	52	Estimate is awaited. Item No. 46, class C works, budget of 1886-87.
	Chingleput.	Guindy ...	53	Quarters for station butchers attached to slaughter-house.	...	...	...	...	4,730	...	53	Estimate is awaited. Item No. 52, class C works, budget of 1886-87.
(4) *Staff and Miscellaneous.*	Nilgiri ...	Ootacamund.	54	Water-supply, Lawrence Asylum.	...	...	...	...	7,000	...	54	Estimate is awaited. Item No. 55, class C works, budget of 1886-87.
(8) *Fortifications* ...	West Coast.	Malapuram ...	55	Constructing fortifications ...	...	...	...	...	8,000	...	55	Estimate is awaited.
	Presidency.	Fort St. George	56	Facing the *en ceinte* of Fort St. George with Portland cement.	...	...	...	...	5,000	...	56	Do. do.
	Do. ...	Do. ...	57	Demolition of Wallajah ravelin and two lunettes.	...	...	...	...	7,426	...	57	Estimate is awaited. Item No. 53, class C works, budget of 1886-87.
	Do. ...	Do. ...	58	Constructing a draw-bridge to North Gate.	...	...	...	...	2,680	...	58	Estimate is awaited.
				Total ...								

1893

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

READ—the following papers :—

Extract from the Proceedings of the Government of India, Military Department, dated Fort William, 18th March 1887, No. 607 M-W. (Accounts—Budget Estimate) :—

MADRAS.

Orders on Military Works Budget Estimate for 1887-88, *and Revised Estimate for* 1886-87.

Read—

Military Department Resolution, No. 1672 M-W., dated the 1st November 1886.
Letter, No. 3327-W., dated the 17th December 1886, from Government of Madras.

RESOLUTION.—The estimates of Revenue are accepted for the sums entered in the subjoined table :—

REVENUE.

—	Budget estimate, 1887-88.	Revised estimate, 1886-87.	Budget estimate, 1886-87.	Actuals, 1885-86.
	Rs.	Rs.	Rs.	Rs.
In Public Works Department	25,000	16,000	30,000	25,881
Total ...	25,000	16,000	30,000	25,881

EXPENDITURE.

Budget Estimate, 1887-88.

2. The estimate has been prepared for the grant of Rs. 5,50,000 sanctioned in Military Department Resolution, No. 1672 M-W., dated 1st November 1886 ; with reference to paragraph 2 of the letter from the Government of Madras quoted in the preamble, the Government of India regret being unable to provide a larger allotment.

3. The details of part I of the estimate are passed, subject to the following remarks :—

i. *Class A works—Item* 1, *barracks for* 50 *additional men and canteen at Malapuram.*—It has been found desirable to allot only Rs. 11,000 for this work, until it is known what the supplemental estimate includes, what it amounts to, and what prospect there is of the work being vigorously prosecuted. The balance of the grant may be held in reserve by the Madras Government for the present.

ii. *Class B works.*—It is noticed that estimates for items Nos. 2, 6, 7, 8 and 9 have not been prepared and sanctioned. The provision made for items 2 and 6 of the budget seems too high, but the allotments are admitted on the condition that no excess is permitted to take place.

iii. The remaining three items are Ordnance works, but were not brought forward by the Director-General of Ordnance in his schedule of requirements for 1887-88, and the Government of India has no means of judging whether the works proposed will be completed for the sums entered in the budget estimate. The allotments aggregating Rs. 36,000 are passed provisionally subject to redistribution in communication with the Inspector-General of Ordnance, who should obtain the concurrence of the Director-General of Ordnance to any proposals he may recommend to the Madras Government. The final distribution of the allotment of Rs. 36,000 to works or special repairs, or to both, should be communicated to the Government of India.

Revised Estimate for 1886-87.

4. The revised estimate has been passed for the amount of the existing grant, Rs. 6,23,400.

5. The details of the estimates of expenditure passed by the Government of India are exhibited in the following table:—

	Budget estimate, 1887-88.	Revised estimate, 1886-87.	Budget estimate, 1886-87.	Actuals, 1885-86.
	Rs.	Rs.	Rs.	Rs.
Original works. { In progress	50,900	1,93,900	2,08,035	1,85,232
Original works. { Not commenced	91,700			
Repairs	3,00,000	3,10,500	3,10,465	1,73,187
Total, Works and Repairs ...	4,42,600	5,04,400	5,18,500	3,58,419
Establishment	1,03,000	1,17,500	1,20,700	83,263
Tools and plant	4,400	5,000	5,200	3,563
	5,50,000	6,26,900	6,44,400	4,45,245
Deduct—Excess amount included for expenditure in England in revised estimate	...	1,500	...	...
	5,50,000	6,25,400	6,44,400	4,45,245
Deduct—Expenditure in England	...	* 2,000	...	236
Net Indian outlay ...	5,50,000	6,23,400	6,44,400	4,45,009

* Reduced to Rs. 1,500 to accord with latest advices received from the Secretary of State.

6. The authority herewith given to incur expenditure within the limits shown in the foregoing table, is subject to the condition of a strict adherence to the rules in force regarding the financial regularity of departmental work.

ORDER.—Ordered, that this resolution be communicated to the Government of Madras, for information and guidance, with the request that 45 printed copies of the budget estimate, as now passed, may be submitted so as to reach the Government of India not later than the 1st May 1887.

Ordered also, that a copy be forwarded to the Accountant-General, Public Works Department, for information.

(True Extract.)

E. COLLEN,
Offg. Secy. to the Govt. of India.

To the Secretary to the Government of Madras,
Public Works Department.

Telegram from the Government of India, Military Department, dated 7th April 1887.
" " Suptg. Engineer, III Circle, dated 7th April 1887.
Letter from the " " III " " 6th " " No. 29.
" " " " IV " " 2nd " " " 163 E.W.
" " " " V " " " " " " 25.

ORDER—dated 28th April 1887, No. 1160 W., Public Works.

Ordered that the final issue of the Imperial Military Works budget for 1887-88 prepared for Rs. 5,50,000, being the amount adopted by the Government of India in their resolution read at the head of these proceedings, be printed and 45 * copies forwarded to the Government of India.

* To Simla 20
" Calcutta 25
45

2. Provision to the extent fixed by the Government of India has been made for barracks for 50 additional men at Malapuram. A supplemental estimate, amounting to Rs. 38,940, was forwarded for the sanction of that Government with endorsement No. 1004 W., dated 4th April 1887, and it has been ascertained that if the estimate be sanctioned at an early date there will be no difficulty in spending the whole of the proposed grant, Rs. 20,000, before the close of the official year. The Government of India will therefore be requested to re-allot the sum of Rs. 9,000 withheld from the proposed grant for the work.

3. The attention of the Superintending Engineer, IV Circle, will be drawn to the remarks of the Government of India on item No. 2, class B works, and with reference to the remark against item No. 7, "store rooms and workshop for the Pioneer regiment at Bellary," the Superintending Engineer, III Circle, will report if the estimate of Rs. 4,740 already sanctioned for the work—*vide* G.O., No. 534 W., dated 24th February 1887, can be reduced to the amount of the budget grant.

4. The works detailed in the margin, † for which the Government of India have sanctioned allotments provisionally only, were considered ‡ urgent by His Excellency the Commander-in-Chief. The Quartermaster-General will be requested to communicate with the Inspector-General of Ordnance and report, with reference to the remark iii, paragraph 3 of the Government of India resolution above quoted, in order that the allotments for the works named may be re-distributed, if necessary, as directed by the Government of India.

† (1) Twelve Staff Sergeants' quarters, Bellary.
(2) Adapting the existing magazine at Fort St. George for the storage of powder for the Fort armament.
(3) Coal store, Ordnance Department, Madras.

‡ G.O., No. 2497 W., dated 23rd Sept. 1886.
" " 3326 W., " 17th Dec. "

5. The modifications of grants necessary to meet the increased rate of contribution to Provincial on account of tools and plant sanctioned by the Government of India—*vide* G.O., No. 881 W., dated 22nd March 1887, will be made in separate proceedings.

6. Superintending Engineers concerned will submit without loss of time plans and estimates for the unsanctioned works for which funds have been provided in the budget.

7. The amounts held at the disposal of the Government for Repairs and Minor Original Works will as usual be distributed on receipt of detailed proposals from Superintending Engineers in accordance with paragraph 1322 of the Public Works Code; and the balance of the Minor Original Works grant, after providing for incomplete works of last year and for such of the Minor New Works as may be considered urgent, will be placed at the disposal of the Officers Commanding Divisions and Districts.

8. The revised estimate of charges for 1886-87, as shown in the preliminary issue, has been altered to Rs. 6,23,400 to agree with the total amount shown in the

table embodied in paragraph 5 of the resolution of the Government of India above recorded.

(Here enter No. 1161 W., dated 28th April 1887.)

(True Extract.)

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

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

Exd. P. L. Pereira.
Spare Copies.

13
1893

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of [1887] Madras.

PUBLIC WORKS.

Dated April, 28th.

Read. *Encl.*

G.O., 28th April 1887, No. 1160 W.

APRIL.

Budget Estimate

Imperial Military Works for 1887-88.—
Orders circulating the final issue of the —.

N 4/1893

11TH JUNE 1887, No. 1571 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

READ—the following letter from Lieutenant-Colonel E. COLLEN, Officiating Secretary to the Government of India, Military Department, to the Secretary to the Government of Madras, Public Works Department, dated Simla, 30th May 1887, No. 1080 M.W. (Accommodation for Troops):—

In reply to your letter, No. 1004, dated 4th April 1887, I am directed to state that the Government of India sanction the estimate therewith submitted, amounting to Rs. 38,940, for constructing barracks with out-houses at Malapuram for an additional force of 50 men.

ORDER—dated 11th June 1887, No. 1570 W., Public Works.

Communicated to the officers concerned, with reference to G.O., No. 1003 W., dated 4th April 1887.

2. The total sanction for the barracks at Malapuram will now stand at Rs. 1,74,742. The budget allotment for the work is Rs. 11,000, and the Government of India have been requested, in paragraph 2 of G.O., No. 1160 W., dated 28th April 1887, to sanction a further allotment of Rs. 9,000. Meanwhile the work should be put in hand.

3. The sanction accorded by the Government of India has been registered as Imperial Ordinary, No. 11 W. of 1887-88, and classified as Military, Original Works.

4. Ordered that a copy of these proceedings be forwarded to the Government of India with reference to paragraph 2 of the order.

(Here enter No. 1571 W., dated 11th June 1887.)

(True Extract.)

(Signed) J. O. HASTED, Colonel, R.E.,
Secretary to Govt., P.W.D.

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

ENDORSEMENT—dated 11th June 1887, No. 1571 W., Public Works.

Forwarded, with request that very early sanction may be accorded to the reallotment of the sum of Rs. 9,000 withheld from the grant originally proposed for the work.

(Signed) J. O. HASTED, Colonel, R.E.,
Secretary to Govt., P.W.D.

Exd. P. L. Pereira.
Spare Copies

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1887} Madras.

PUBLIC WORKS.

Dated June, 11th.

Read. *Encl.*

G.O., 11th June 1887, No. 1571 W.

JUNE.

1893W

Barracks at Malapuram

Forwarding to the Government of India copy of proceedings communicating to officers concerned the sanction accorded by that Government to the estimate for constructing — for an additional force of 50 men and requesting early sanction to a further allotment of Rs. 9,000 for the work.

15/1893

30TH MAY 1882, No. 1350 W., PUBLIC WORKS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

No. 1350 W.

No. 170.

LETTER—from

COLONEL R. H. SANKEY, R.E.,
Secretary to Government, Public Works Department,
Madras,

To THE SECRETARY TO THE GOVERNMENT OF INDIA,
PUBLIC WORKS DEPARTMENT.

SIR,

I am directed to forward, for the sanction of the Government of India, the accompanying plans and estimates, amounting to Rs. 90,830, for barracks for a detachment of British Infantry at Malliapuram.

2. The buildings are designed to accommodate 4 Serjeants and 96 single men. The Superintending Engineer's report on the estimates explains the circumstances under which the accommodation has been rendered necessary and the reasons for departure from the standard designs.

3. I am to request the very early sanction of the Government of India to the work, materials for which have been ordered to be collected from the current year's budget appropriation of Rs. 21,568.

I have the honor to be,

Sir,

Your most obedient servant,

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

OOTACAMUND,
30th May 1882.

Exd. W. J. Lewis.
Spare Copies

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of [1882] Madras.

PUBLIC WORKS.

Dated May, 30th.

Read. *Encl.*

30th May 1882, No. 1350 W.

MAY.

No. 170.

Barracks for a detachment of British Infantry at Malliapuram.

CONSTRUCTING — Plans and estimates, amounting to Rs. 90,830, for —, forwarded for the sanction of the Government of India.

16/1893

30TH MAY 1882, No. 1349 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

No. 168.

READ—the following letter from Major H. R. MEAD, R.E., Superintending Engineer, Fourth Circle, to the Chief Engineer, Public Works Department, dated Coimbatore, 24th March 1882, No. 118 :—

I have the honor to forward the plans and estimates as per margin for constructing new barracks, &c., for the detachment of British Infantry at Malliapuram, amounting to Rs. 90,830.

1 Detailed Estimate.	1 Site Plan.
2 Abstract do.	7 Plans.
1 Specification.	1 Copy of Correspondence.
1 Report.	

2. These have been approved of by the Commander-in-Chief; but in a letter from the Quartermaster-General, the following is stated :—

"But the Commander-in-Chief desires me to request that the construction of the new barracks at Malliapuram may not be commenced until His Excellency has visited and inspected that station, which he hopes to do at the beginning of the next cold season."

READ—the following G.O., dated 21st April 1882, No. 1864, Military.

Read—Public Works Department No. 14 E., dated 15th April 1882, submitting for approval estimate of Rs. 90,830 for construction of barracks at Malliapuram (West Coast Division) for detachment of British Infantry stationed there.

Order—dated 21st April 1882, No. 1864, Military.

Approved; but as requested by the Commander-in-Chief the works will not be commenced until His Excellency has an opportunity of inspecting the station.

(True Extract.)

(Signed) E. L. HANKIN, Col.,
Acting Secretary to Government.

No. 169.

ORDER—dated 30th May 1882, No. 1349 W., Public Works.

Ordered that the plans and estimates, amounting to Rs. 90,830, for constructing barracks for a detachment of British Infantry at Malliapuram be forwarded for the sanction of the Government of India. Mean while the Superintending Engineer will arrange for the preparation of materials, an appropriation of Rs. 21,568 for the work having been made in the current year's budget.

(Here enter No. 1350 W., dated 30th May 1882.)

(True Extract.)

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

To the Superintending Engineer, Fourth Circle.
" Examiner of Public Works Accounts.
" Military Department.

Exd. W. J. Lewis.
Spare Copies

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of (1882) Madras.

PUBLIC WORKS.

Dated May, 30th.

Read. *Encl.*

G.O., 30th May 1882, No. 1349 W.

MAY.

Nos. 168-169.

Barracks for a detachment of British Infantry at Malliapuram.

Constructing —. Plans and estimates, amounting to Rs. 90,830, for —, forwarded for the sanction of the Government of India.

17/1893

18TH JULY 1882, No. 1841 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

No. 120.

READ—the following letter from the Secretary to the Government of India, Military Department, to the Secretary to the Government of Madras, Public Works Department, dated Simla, 4th July 1882, No. 610 M.W.:—

In returning herewith, duly approved by the Government of India, the plans and estimates, the latter amounting to Rs. 90,830, for constructing barracks for a detachment of British Infantry at Malapuram, forwarded with your letter, No. 1350 W., dated 30th May 1882, I am directed to remark that under Chapter XV, Section VI, paragraph 183 of the Public Works Department Code, the estimates should be formally sanctioned by the Government of Madras.

No. 121.

ORDER—dated 18th July 1882, No. 1840 W., Public Works.

The estimate, amounting to Rs. 90,830, is sanctioned accordingly. But it is observed that the project was laid before the Government of India with reference to the departure from the standard designs as required by paragraph 184 of Section VI, Chapter XV, of the Government of India Code.

2. This sanction has been registered as Imperial Ordinary No. 15 W. of 1882-83 and classified as Military Original Works.

(Here enter No. 1841 W., dated 18th July 1882.)

(True Extract.)

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

To the Superintending Engineer, Fourth Circle, with 13 enclosures.
" the Examiner of Public Works Accounts, with duplicate abstract estimate.
" the Military Department.

No. 122.

ENDORSEMENT—dated 18th July 1882, No. 1841 W., Public Works.

Copy of the above forwarded to the Government of India, Military Department, for information.

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

Ext. A. F. Goodall.
Spare Copies

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1882} Madras.

PUBLIC WORKS.

Dated July, 1882.

Read. *Encl.*

G.O., 18th July 1882, No. 1841 W.

JULY.

Nos. 120—122.

Barracks for a detachment of British Infantry at Malapuram.

SANCTIONS, with remarks, estimate for constructing —.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

READ—the following letter from Colonel J. BEATTY, R.E., Superintending Engineer, IV Circle, to the Chief Engineer, Public Works Department, dated Coimbatore, 8th February 1884, No. 73 E.W.:—

I have the honor to forward, for sanction, eight plans and a revised estimate, amounting to Rs. 1,31,610, for constructing two blocks of barracks, hospital and guard-room for the detachment of European infantry at Malapuram, Malabar district, and for restoring some of the buildings that were burnt there.

* 8 Plans.
* 1 Revised estimate with abstract.
* 1 Duplicate abstract estimate.
* 1 Comparative statement.
* 1 Report.
1 Copy of Quartermaster-General's letter.
* By banghy.

2. An estimate, amounting to Rs. 90,830, for this work, was sanctioned in G.O., No. 1840 W., of 18th July 1882. Malapuram being an out-of-the-way place, lying 18 miles from the nearest railway station, Tirúr, and 31 miles from Calicut, it has been found impossible to carry out the work with the low rates allowed in the original estimate, which was prepared on very old rates in 1879, though submitted and sanctioned later. The total excess over the original estimate is Rs. 61,170.†

† As given by the Executive Engineer.

3. Out of that excess a sum of Rs. 5,244 is for certain new items which were not thought of, or omitted, by oversight, in the original estimate, viz.:—

			Rs.
I.	Item No. 2	Concrete below foundation	843
II.	„ „ 5	Flat and circular archwork	1,859
III.	„ „ 40	Gutter pipes	526
IV.	„ „ 41	Zinc gutters	670
V.	„ „ 46	Covering with asphalte over basement	1,347
		Total ...	5,244

It is hardly necessary to explain that in a place where the rainfall is so high gutters and fall pipes are most necessary; and the asphalte over the basement is very much needed to prevent whiteants reaching the roof through the laterite of the walls.

4. Another portion of the excess is due to alterations of the hospital to fit it for use as a defensive post. The items are—

		Rs.
I.	Well	800
II.	Extra woodwork on account of terracing	1,645
III.	Difference between terracing and tiling the roof	458
IV.	Extra height of walls	150
V.	Extra plastering and white-washing	37
	Total ...	3,090

5. Again, an excess of Rs. 17,210 is due to provision of cutstone flooring instead of concrete and asphalte in the barracks, mess, and day-rooms. In regard to this I have to point out that His Excellency the Commander-in-Chief agrees to having instead, asphalte with* stone slabs for the legs of cots. By this arrangement the present estimate may be reduced to the extent of Rs. 16,536. The cutstone flooring was entered at the suggestion of General Sankey, who was, however, doubtful whether it would be approved by His Excellency the Commander-in-Chief. I have corrected the item in red ink.

* *Vide* Quartermaster-General's letter herewith sent.

6. Another large item of excess is that for wood-work, Rs. 12,613. Owing to the great rise in the price of teak since these works were estimated for, it has been necessary to increase the price from Rs. 3-8-0 to Rs. 4-4-0 a cubic foot of teak, and to use country teak wherever practicable. For some beams of great size, Moulmein teak may have to be used, but for most of the work that teak-wood is now provided for, Malabar or other country teak will be suitable. In the original estimate unseasoned country wood (at Rs. 1-4-0) of other kinds was provided for much of the wood-work, but it is not considered safe to use such material for beams, bressummers and joists, and for these teak is now allowed. The original estimate also only provided forty-four roof trusses, which were to be at the unusual distance of 13½ feet or more apart. With the approval of General Sankey, this has been altered to the ordinary distance of 10 feet apart, and the number of trusses increased to 57. The excess on wood-work is therefore due to the higher price of teak and the larger quantity of it found to be required.

7. The balance of the excess for work, Rs. 13,548, is simply due to errors and petty omissions in the original estimate and to the insufficiency of the old rates that may have been suitable in 1879 for small works on the coast, but are now quite inadequate in Malapuram.

8. Coming to the items of superintendence and contingencies, I observe that the original estimate provided 5 per cent. for the former and 5 per cent. for the latter. Now that all the items of work have been carefully revised, I consider it will be sufficient to allow at the rate of 3 per cent. for superintendence, and 5 per cent. for contingencies. This will reduce those two items to Rs. 3,639 and Rs. 6,244.

9. The excesses for work will then stand as follow :—

	Rs.
Omissions	
Alterations to hospital	5,344
Flooring	3,090
Wood-work	674
Errors and increased rates	12,613
	13,548

I have accordingly corrected the estimate in red ink.

10. The original and revised estimates stand as follows :—

——	Original.	As revised by Executive Engineer.	As altered by Superintending Engineer.
	Rs	Rs.	Rs.
Works	86,558	1,38,263	1,21,727
Superintendence	2,135	6,866	3,639
Contingencies	2,137	6,871	6,244
Total ...	90,830	1,52,000	1,31,610

The difference between the sanctioned and revised estimates now requiring sanction will then be Rs. 40,780.

19
1893

No. 415 C., Public Works.

Submitted for the approval of Government in the Military Department.

Chepâk, 20th February 1884. (Signed) J. SHAW-STEWART, Colonel, R.E., Chief Engineer, P.W.D.

To the Military Department, with papers in original.

No. 909, Military.

Approved.

(By Order.)

Fort St. George, 25th February 1884. (Signed) A. R. KENNEY-HERBERT, Lieut.-Colonel, Officiating Secretary to Government.

Order—dated 3rd March 1884, No. 580 W., Public Works.

The revised estimate, amounting to Rs. 1,31,610, for constructing barracks for a detachment of British infantry at Malapuram, is sanctioned.

2. The excess of Rs. 40,780, over the original estimate of Rs. 90,830, is explained in the Superintending Engineer's letter above recorded.

3. The expenditure on the work to the end of 1882-83 amounted to Rs. 10,547; the current year's grant stands at Rs. 35,000, and Rs. 38,000 have been provided for it in the Imperial military works budget for 1884-85.

4. This sanction has been registered as Imperial Ordinary No. 71 W. of 1883-84, in supersession of No. 15 W. of 1882-83, and classified as Military Original Works.

(True Extract.)

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

To the Superintending Engineer, IV Circle, with twelve enclosures.
" Examiner, Public Works Accounts, with duplicate abstract estimate.
" Military Department.

Exd. E. Fernandez.
Spare Copies

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of (1884) Madras.

PUBLIC WORKS.

Dated March, 3rd.

Read. *Encl.*

G.O., 3rd March 1884, No. 580 W.

MARCH.

Barracks at Malapuram

Revised estimate, amounting to Rs. 1,31,610, for constructing — for a detachment of British infantry, sanctioned with remarks.

580/1883

25TH JUNE 1884, No. 1596 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

READ—the following papers:—

From Colonel G. CHESNEY, Secretary to the Government of India, Military Department, to the Secretary to the Government of Madras, Public Works Department, dated Simla, 23rd May 1884, No. 507 M.W.

I am directed to acknowledge the receipt of your letter, No. 1087 W., dated 1st May 1884, forwarding a copy of Proceedings of the Government of Madras in connection with the revised estimate which it has been necessary to sanction for the European Infantry buildings at Malapuram. The revised estimate it is noted is Rs. 40,780 in excess of the original estimate, which amounted to Rs. 90,830.

2. The Government of India do not desire to raise any question as to the sufficiency of the explanations offered by the Superintending Engineer regarding the necessity of this large increase; but I am to remark that these explanations appear to show that the original estimate was not prepared with sufficient care.

3. It is essential for the proper administration of the very limited funds available for military works that the estimates for the works brought forward for execution shall give an approximately accurate forecast of their cost, and I am therefore to request that under the orders of the Governor in Council such orders may be issued as may appear to be required to secure this end.

From J. P. DAVIDSON, Esq., Executive Engineer, Coimbatore Division, to the Superintending Engineer, IV Circle, dated Coimbatore, 6th June 1884, No. 1374.

With reference to your No. 356 of 4th June 1884, I have the honor to report that the excess over the original estimate for the Malapuram barracks, as per classification given in the Chief Engineer's memorandum, is as follows:—

		Rs.
(*a*)	Omissions and errors in original estimate	10,455
(*b*)	Authorized changes of design and unforeseen rise of rates ...	24,714
	Total ...	35,169

2. As pointed out in paragraph 2 of the Chief Engineer's memorandum the total excess due to difference between the cost of teakwood and country wood, owing to the substitution of the former for the latter, has been classed under (*a*).

No. 288 E.W.

Endorsement on the above.

Submitted to the Chief Engineer, Public Works Department, with reference to his memorandum, No. 220 E, of the 2nd June 1884.

COIMBATORE,
13th June 1884.

(Signed) J. BEATTY, Colonel, R.E.,
Superintending Engineer, IV Circle.

ORDER—dated 25th June 1884, No. 1596 W., Public Works.

It is observed that of the excess of Rs. 40,780 over the original estimate for the Malapuram barracks only about one-fourth is due to inaccurate estimating, the bulk of the excess having been caused by authorised changes in the sanctioned design, and to a rise of current market rates which could not well be forecasted by the executive officers of the department.

2. The attention of the Superintending Engineer is called, however, to the necessity for much greater care being exercised in future.

(True Extract.)

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

To the Superintending Engineer, IV Circle.

Exd. C. Howarth.
Spare Copies

91/1893

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of Madras. 1884

PUBLIC WORKS.

Dated June, 25th.

Read. *Encl.*

G.O., 25th June 1884, No. 1596 W.

JUNE.

Malapuram Barracks

Making certain observations as regards the large excess over the original estimate for the —.

22/1893

2ND JUNE 1885, No. 1275 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

READ—the following memorandum from Brigadier-General R. C. STEWART, Quarter-master-General, to the Secretary to Government, Military Department, dated Ootacamund, 15th May 1885, No. 1629-A :—

Forwarded * (with enclosures) to Government with the approval of the Commander-in-Chief, and with a request that the estimate, &c., may be sanctioned and transferred to the Public Works Department for disposal.

2. Under the circumstances represented by the General Officer Commanding Western District, His Excellency would recommend that the cost of the work be charged to the general building account for the construction of new barracks at Malapuram and met from the amount allotted to that work in the budget for 1885-86.

* Letter from the Officer Commanding Western District, No. $\frac{G}{92}$, dated 1st May 1885, submitting plan and estimate for converting the recreation-room at Malapuram into a cook-house and drying-room.

No. 2667, Military.

Approved and transferred to the Public Works Department for disposal.

(By Order.)

OOTACAMUND, 18th May 1885. (Signed) A. R. KENNEY-HERBERT, Lieut.-Col., Offg. Secretary to Government.

ORDER—dated 2nd June 1885, No. 1275 W., Public Works.

The estimate, amounting to Rs. 514, for converting the old library at Malapuram into a kitchen and drying-room, is sanctioned as supplemental to the estimate for the barracks at that station, sanctioned in G.O., No. 580 W., dated 3rd March 1884. The total sanction will now stand at Rs. 1,32,124.

2. This sanction has been registered as Imperial, Ordinary, No. 16 W. of 1885-86, and classified as Military, Original Works.

(True Extract.)

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

To the Superintending Engineer, IV Circle, with five enclosures.
" Examiner, Public Works Accounts.
" Military Department.

Exd. A. Grubert.
Spare Copies

132124
2090
134214

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of [1885] Madras.

PUBLIC WORKS.

Dated June, 2nd.

Read. *Encl.*

G.O., 2nd June 1885, No. 1275 W.

JUNE.

Old Library at Malapuram

Estimate for converting the — into kitchen and drying-room, sanctioned.

23/1893

PRELIMINARY ISSUE.

IMPERIAL.
MILITARY WORKS.

MADRAS.

PUBLIC WORKS DEPARTMENT.

IMPERIAL BUDGET-ESTIMATE

OF

MILITARY WORKS

OF THE

GOVERNMENT OF MADRAS

FOR THE YEAR

1886-87.

CHEPAK,
30th December 1885.

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

24/1893

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 1886 TO 31st MARCH 1887.

——	Budget-Estimate, 1886-87.	Revised Estimate, 1885-86.	Budget-Estimate, 1885-86.	Actuals, 1884-85.
	Rs.	Rs.	Rs.	Rs.
In Public Works Department	30,000	29,500	29,500	33,586
In Civil and Military Departments	...	...	...	...
Total ...	30,000	29,500	29,500	33,586

CHARGES.

ABSTRACT OF THE BUDGET-ESTIMATE OF EXPENDITURE OF THE PUBLIC WORKS DEPARTMENT OF MILITARY WORKS IN MADRAS FOR THE YEAR FROM 1st APRIL 1886 TO 31st MARCH 1887.

——	Reference to Detailed Estimate.	Budget-Estimate, 1886-87.	Revised Estimate, 1885-86.	Budget-Estimate, 1885-86.	Actuals, 1884-85.
		Rs.	Rs.	Rs.	Rs.
Original Works. In progress ...	...	91,609	1,90,888	2,29,646	2,09,361
Original Works. Not commenced.	...	1,60,007			
Repairs ... ... Ordinary ...	...	2,71,368	1,71,311	2,94,549	2,83,366
Repairs ... ... Special ...	...	...			
Establishment	...	1,21,786	84,205	1,20,563	1,14,345
Tools and Plant	...	5,230	3,596	5,242	4,935
Suspense Account	...	...	...	...	...
Total ...	...	6,50,000	4,50,000	6,50,000	6,12,007

IMPERIAL.
MILITARY WORKS.

25/1893

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, 1886-87. Original Works. In progress.	Not commenced.	Total.	Repairs.	Establishment.	Tools and Plant.	Suspense Account.	Barrack Department.	Total.	Revised Estimate, 1885-86.	Budget-Estimate, 1885-86.	Actuals, 1884-85.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Provision from Imperial Funds.												
In India ...	91,609	1,60,007	2,51,616	2,71,368	1,21,786	5,230	...	...	6,50,000	4,50,000	6,50,000	6,12,007
In England.	...	...	...	...	...	...	...	...	...	...	...	250
Total ...	91,609	1,60,007	2,51,616	2,71,368	1,21,786	5,230	...	...	6,50,000	4,50,000	6,50,000	6,11,757
Provision from Contributions.												
In India ...	...	...	...	...	...	...	...	...	...	...	...	261
Grand Total.	91,609	1,60,007	2,51,616	2,71,368	1,21,786	5,230	...	...	6,50,000	4,50,000	6,50,000	6,12,018

STATEMENT SHOWING THE WORKS ON WHICH THE OUTLAY IN ENGLAND ABOVE PROVIDED FOR IS TO BE INCURRED.

——	Budget-Estimate, 1886-87. Original Works. In progress.	Not commenced.	Total.	Tools and Plant.	Suspense Account.	Total.	Revised Estimate, 1885-86.	Budget-Estimate, 1885-86.	Actuals, 1884-85.
	...	..	...	...	...	...	...	...	250
Total ...	...	...	...	...	...	...	...	...	250

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	Constructing a barracks for a detachment of British Infantry to accommodate 100 men.	1,35,094
	Presidency.	Fort St. George.	2	Converting a racket court into a covered gymnasium.	11,890
	Chingleput.	St. Thomas' Mount.	3	New barracks for Royal Artillery...	1,46,910
	Do. ...	Do. ...	4	Constructing six blocks of stables for two field batteries of Royal Artillery.	21,702
Buildings for Native troops.	Presidency.	Bangalore ...	5	Public buildings for a regiment of Native Cavalry.	23,490
	Trichinopoly.	Trichinopoly...	6	Public buildings for two regiments of Native Infantry.	35,650
(2) Ordnance Works ...	Presidency.	Fort St. George.	7	Armament of Fort St. George ...	42,035
(4) Fortifications ...	Do. ...	Madras ...	8	Alterations to the Coast Batteries.	14,265
	Do. ...	Bangalore ...	9	Fortified post at Agram	38,790
				Total ...	...

[4]

D6/1893

MADRAS.

I.

ORIGINAL WORKS FOR THE YEAR 1886-87.

WORKS.

Outlay.		Grant, 1886-87.			Item No.	Remarks and References.
Actual to end of 1884-85.	Probable during 1885-86.	Works in progress.	Works not commenced.	Total.		
Rs.	Rs.	Rs.	Rs.	Rs.		
83,531	31,448	20,115	...		1	G.O., No. 2845 W., dated 27th November 1885. Item No. 2, class A works, budget of 1885-86.
...	2,000	9,890	...		2	G.O., No. 1552 W., dated 20th June 1884. Item No. 1, class B works, budget of 1885-86.
97,379	22,458	27,073	...		3	G.O., No. 1274 W., dated 2nd June 1885. Item No. 1, class A works, budget of 1885-86.
10,000	9,160	2,542	...	59,620	4	G.O., No. 2561 W., dated 2nd November 1885. Item No. 2, class B works, budget of 1885-86.
...	...	...	14,000		5	G.O., No. 1552 W., dated 20th June 1884. Item No. 4, class B works, budget of 1885-86.
12,739	3,370	18,000	...	32,000	6	G.O., No. 2194 W., dated 5th September 1884. Item No. 3, class A works, budget of 1885-86.
8,036	31,035	2,964	...	2,964	7	G.O., No. 2970 W., dated 19th October 1883. Item No. 4, class A works, budget of 1885-86.
...	8,240	6,025	...		8	G.O., No. 2126 W., dated 11th September 1885.
34,467	3,020	5,000	...	11,025	9	G.O., No. 3059 W., dated 18th December 1885. Further estimates are awaited.
...	...	91,609	14,000	1,05,609		

[5]

IMPERIAL.
MILITARY WORKS.

PART

DETAIL OF THE BUDGET-ESTIMATE FOR

CLASS

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	Reconstructing double apothecaries' quarters, station hospital.	6,222
	Nilgiri ...	Wellington ...	2	Hospital accommodation for women and children.	3,036
	Presidency ...	Fort St. George.	3	Improving water-supply	6,445
	Do. ...	Do. ...	4	Alterations necessary towards rendering the offices of the Accountant-General and Controller of Military Accounts suitable for occupation by troops.	...
	Do. ...	Bangalore ...	5	Additions to the Military prison ...	8,325
	Chingleput...	St. Thomas' Mount.	6	Constructing a coffee shop with kitchen for the upper story barracks.	6,690
Buildings for Native troops.	West Coast.	Quilon ...	7	Constructing a regimental store-shed.	9,334
	Presidency.	Bangalore ...	8	Public buildings for one regiment of Native Infantry.	21,626
(2) Ordnance Works...	Do. ...	Fort St. George.	9	Constructing a new magazine in the Wallajah berm.	...
	Do. ...	Madras ...	10	New wheelers shop, Gun Carriage Factory.	7,370
	Chingleput.	St. Thomas' Mount.	11	Alterations to racks in the Ordnance Magazine.	2,505
(4) Fortifications ...	North Arcot.	Vellore ...	12	Draw-bridge and gate for the Fort.	6,450
			13	Minor works	...
				Total ...	...
				Grand Total ...	...

2/1893

MADRAS.

I—*cont.*
ORIGINAL WORKS FOR THE YEAR 1886-87.
WORKS.

Outlay.		Grant, 1886-87.			Item No.	Remarks and References.
Actual to end of 1884-85.	Probable during 1885-86.	Works in progress.	Works not commenced.	Total.		
Rs.	Rs.	Rs.	Rs.	Rs.		
					1	G.O., No. 1806 W., dated 3rd August 1885.
...	...	...	6,222		2	G.O., No. 1573 W., dated 6th July 1885, Item No. 15, class C works, budget of 1885-86.
...	...	...	3,036		3	G.O., No. 2454 W., dated 26th October 1885.
...	...	...	6,445		4	Estimate is awaited.
...	...	...	40,000		5	G.O., No. 938 W., dated 5th April 1884. Item No. 3, class B works, budget of 1885-86.
...	...	...	8,325		6	G.O., No. 1390 W., dated 15th June 1885.
...	...	...	4,320	68,348	7	G.O., No. 1556 W., dated 3rd July 1885. Item No. 32, class C works, budget of 1885-86.
...	...	...	9,334	9,334	8	G.O., No. 2952 W., dated 29th November 1884. Item No. 27, class C works, budget of 1885-86.
...	...	...	10,000	10,000	9	Estimate is awaited.
...	...	...	20,000		10	G.O., No. 2870 W., dated 17th November 1884. Item No. 36, class C works, budget of 1885-86.
...	...	...	7,370		11	G.O., No. 2416 W., dated 15th October 1885.
...	...	...	2,505	29,875	12	G.O., No. 523 W., dated 7th March 1885.
...	...	...	6,450	6,450	13	
...	...	...	22,000	22,000		
..	...	..	1,46,007	1,46,007		
...	...	...	...	2,51,616		

28/1893

MADRAS.

IMPERIAL.
MILITARY WORKS.

APPENDIX B.

LIST OF WORKS (OR CLASS C WORKS) OMITTED FROM THE BUDGET-ESTIMATE OF 1886-87, BUT OF WHICH EXPENDITURE MAY BE INCURRED DURING THE YEAR BY RE-APPROPRIATION FROM CLASS B WORKS.

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.	Outlay. Actual to end of 1884-85.	Outlay. Probable during 1885-86.	Amount applied for 1886-87. Works in progress.	Amount applied for 1886-87. Works not commenced.	Amount applied for 1886-87. 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.	Bellary ...	Bellary ...	1	Improving the system of water-supply to British Infantry Barracks.	...	...	...	...	5,350	...	1	Estimate is awaited.
	Do. ...	Do. ...	2	Alterations to prisons and adjoined buildings.	...	...	...	...	11,260	...	2	Estimate is awaited.
	Do. ...	Do. ...	3	New gunshed with collarmakers' and wheelers' shop for the Royal Artillery.	5,663	...	...	...	5,663	...	3	G.O., No. 914 W., dated 3rd April 1884.
	Do. ...	Do. ...	4	Swimming-bath, British Infantry.	7,644	...	...	...	5,000	...	4	G.O., No. 2434 W., dated 19th October 1885.
	Do. ...	Do. ...	5	Infectious disease ward, station hospital.	6,140	...	...	...	5,000	...	5	G.O., No. 330 W., dated 7th February 1884.
	Do. ...	Do. ...	6	Armourer's shop, 2nd Light Cavalry.	2,695	...	...	...	2,695	...	6	G.O., No. 2266 W., dated 14th September 1881. Item No. 5, Class B works, budget of 1885-86.
	Nilgiri ...	Wellington ...	7	Gymnasium	...	...	...	...	10,000	...	7	Estimate is awaited.
	Do. ...	Do. ...	8	Drinking-water to be laid on to hospital.	...	...	...	...	5,000	...	8	Estimate is awaited.
	Do. ...	Do. ...	9	Lock hospital	...	...	...	...	4,180	...	9	Estimate is awaited.
	Do. ...	Do. ...	10	Constructing quarters with out-houses for a Barrack Sergeant.	7,348	...	...	...	7,348	...	10	G.O., No. 1941 W., dated 21st August 1885.
	West Coast.	Cannanore ...	11	Plunge-bath for British Infantry.	4,640	...	...	...	4,640	...	11	G.O., No. 418, dated 16th February 1876.
	Do. ...	Do. ...	12	Improving latrines for British Infantry.	2,780	...	...	...	2,780	...	12	G.O., No. 1056, dated 4th April 1879.
	Presidency.	Fort St. George.	13	Drainage of fort and barracks ...	...	...	...	...	10,000	...	13	Estimate is awaited.
	Do. ...	Do. ...	14	Wash-house outside the barracks ...	...	...	...	...	2,500	...	14	Estimate is awaited.
	Do. ...	Do. ...	15	Garrison bazaars to be done away with and new cook-houses built.	...	...	...	...	4,500	...	15	Estimate is awaited.
	Do. ...	Do. ...	16	Converting A, B, C, and D, blocks into barracks and quarters for a regiment of British Infantry and Garrison Battery of Royal Artillery.	...	...	...	...	4,200	...	16	Estimate is awaited.
	Do. ...	Bangalore ...	17	Schoolmaster and mistress' quarters, Royal Artillery.	...	...	...	...	6,200	...	17	Estimate is awaited.
	Do. ...	Do. ...	18	Quarters for the senior apothecary, north station hospital.	5,300	...	...	...	5,300	...	18	G.O., No. 3385, W., dated 27th November 1883.
	Do. ...	Do. ...	19	Quarters for the assistant apothecary, north station hospital.	4,773	...	...	...	4,773	...	19	G.O., No. 938 W., dated 5th April 1884.
	Do. ...	Do. ...	20	Constructing a fourth-class gymnasium.	44,600	...	...	...	...	...	20	G.O., No. 1560, dated 21st June 1876.
	Do. ...	Do. ...	21	Parade barracks—alterations and additions to wash-houses.	12,500	1,788	...	42,812	...	...	21	G.O., No. 1102 W., dated 7th May 1880.
						7,946	...	4,554	...	...		
				Carried over ...				47,366	1,06,389			

IMPERIAL.
MILITARY WORKS.

APPENDIX

LIST OF WORKS (OR CLASS C WORKS) OMITTED FROM THE BUDGET-ESTIMATE OF 1886-87, BUT OF 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.	22	A wheeler's and collarmaker's shop for the new Artillery barracks.	5,660
	Do. ...	Do. ...	23	Raising the roof of harness room, troop lines.	4,200
	Do. ...	Do. ...	24	Wooden shed at the proof range ...	2,820
	Do. ...	Do. ...	25	Converting the disused gunshed into a coffee shop, recreation room and library.	2,520
	Do. ...	Pallávaram ...	26	Mortuary rooms for hospitals ...	2,880
	Do. ...	Do. ...	27	Constructing an armourer's shop ...	
	Do. ...	Poonamallee.	28	Constructing a new double storied barracks.	1,66,885
	Do. ...	Do. ...	29	Providing lightning conductors to the hospital.	...
Accommodation for Native Troops.	Vizagapatam.	Vizianagram ...	30	Regimental store-room for Native Infantry.	3,480
	Bellary ...	Bellary ...	31	School-house for a Regiment, Native Infantry.	3,030
	Presidency.	Madras (Ráyapuram).	32	Flushing drains for Native Infantry lines.	4,300
	Do. ...	Bangalore ...	33	Store-rooms and workshops for the Pioneer Regiment.	...
	Chingleput.	Pallávaram ...	34	Magazine for a Native Infantry Regiment.	...
(2) Ordnance Works.	Presidency.	Madras ...	35	Wall round the Gunpowder Factory.	...
	Do. ...	Do. ...	36	Extra accommodation as store-room in the Gun Carriage Factory.	...
	Do. ...	Do. ...	37	Improvements to the barrel machine shop of the Gun Carriage Factory.	4,930
	Do. ...	Do. ...	38	Improvements to the Gunpowder Factory.	2,52,412
	Do. ...	Do. ...	39	Dried deposit magazine, Gunpowder Factory.	3,975
	Do. ...	Do. ...	40	One drying house for store.	...
	Do. ...	Do. ...	41	Alterations to the roof of the final dusting-house.	...
				Carried over ...	

29/1893 MADRAS.

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

Outlay.		Amount applied for 1886-87.			Item No.	Remarks and References.
Actual to end of 1884-85.	Probable during 1885-86.	Works in progress.	Works not commenced.	Total.		
Rs.	Rs.	Rs. 47,366	Rs. 1,06,389	Rs.		
...	...	...	5,660	...	22	G.O., No. 2717 W., dated 3rd November 1884.
...	...	...	4,200	...	23	G.O., No. 3137 W., dated 17th December 1881.
...	...	...	2,820	...	24	G.O., No. 3077 W., dated 13th December 1884.
...	...	...	2,520	...	25	G.O., No. 1234 W., dated 28th May 1885.
...	...	...	3,000	...	26	Estimate is awaited.
...	...	...	2,880	...	27	G.O., No. 3149 W., dated 22nd December 1884.
6,854	...	20,000	...	...	28	G.O., No. 465 W., dated 19th February 1879.
...	...	...	3,000	...	29	Estimate is awaited.
...	...	...	3,480	1,97,835	30	G.O., No. 2628 W., dated 27th October 1884.
...	...	...	3,030	...	31	G.O., No. 149 W., dated 17th January 1884.
...	...	...	4,300	...	32	G.O., No. 1937 W., dated 4th June 1884.
...	...	...	3,000	...	33	Estimate is awaited.
...	...	...	4,500	...	34	Estimate is awaited.
...	...	...	10,000	18,310	35	Estimate is awaited.
...	...	...	6,000	...	36	Estimate is awaited.
1,969	...	2,061	...	...	37	G.O., No. 2413 W., dated 16th September 1882.
2,23,985	2,000	20,000	...	...	38	G.O., No. 2707 W., dated 3rd November 1881. Item No. 5, Class A works, budget of 1885-86.
...	...	...	3,975	...	39	G.O., No. 302 W., dated 21st April 1885.
...	...	...	26,320	...	40	Estimate is awaited.
...	...	...	4,300	...	41	Estimate is awaited.
		49,427	1,09,374	2,16,145		

LIST OF WORKS (OR CLASS C WORKS) OMITTED FROM THE BUDGET-ESTIMATE OF 1886-87, BUT IN CLASS B

APPENDIX

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.	
(2) *Ordnance Works.*	Presidency.	Tonampet ...	42	Constructing a wheat godown.	...
	Do. ...	Bangalore ...	43	Ordnance depôt buildings, Entrenchment.	...
(4) *Commissariat Buildings.*	Do. ...	Madras ...	44	Constructing a shed in the Camp Equipage Depôt.	...
	Do. ...	Do. ...	45	Lines for transport attendants ...	...
	Do. ...	Do. ...	46	Workshops and sheds for carts, doolies, &c., Transport Department.	...
	Do. ...	Bangalore ...	47	Quarters for a Conductor, Transport Department.	...
	Chingleput.	Guindy ...	48	Quarters for a station butcher ...	...
Fortifications.	Presidency.	Fort St. George.	49	Demolition of Wallajah Ravelin and two lunettes.	...
Miscellaneous.	Nilgiri ...	Ootacamund, Lowdale.	50	Water-supply, Lawrence Asylum.	...
				Total ...	...

BC
1893

B—*concld.*

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

Outlay.		Amount applied for 1886-87.			Item No.	Remarks and References.
Actual to end of 1884-85.	Probable during 1885-86.	Works in progress.	Works not commenced.	Total.		
Rs.	Rs.	Rs. 89,427	Rs. 1,99,374	Rs. 2,16,145		
...	...	...	5,950	...	42	Estimate is awaited.
...	...	...	4,823	...	43	Estimate is awaited.
				83,429		
...	...	...	5,300	...	44	Estimate is awaited.
...	...	...	48,000	...	45	Estimate is awaited.
...	...	...	5,500	...	46	Estimate is awaited.
...	...	...	4,220	...	47	Estimate is awaited.
...	...	...	4,740	...	48	Estimate is awaited.
				67,760		
...	...	...	7,434	7,434	49	Estimate is awaited.
...	...	...	7,000	7,000	50	Estimate is awaited.
...	...	89,427	2,92,341	8,81,768		

81/1893

30th December 1885, No. 3093 W., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General Account.

Read the following papers:—

From the Government of India, Military Department, dated 27th October 1885, No. 1208 M.W.

Extract from the Proceedings of the Government of India, in the Military Department,—
(under date Simla, the 27th October 1885).

Distribution of the Imperial Grant for Military Works for 1886-87.

Resolution—

The Government of India are pleased to make the following provisional distribution of the grant for 1886-87:—

	Rs.
Reserved with the Government of India	4,00,000
Central India	1,50,000
Hyderabad	3,10,000
Rajputana	1,75,000
Military Works Department	57,50,000
Central Provinces	1,50,000
British Burma	3,60,000
Assam	1,50,000
Bengal	60,000
North-Western Provinces and Oudh	1,12,000
Punjab	2,80,000
Madras	6,50,000
Bombay	14,53,000
Total ...	100,00,000

2. In addition to the above, the following special grants are provisionally allotted for Coast Defences:—

	Rs.
Military Works Department	50,000
British Burma	1,85,000
Bombay	8,50,000
Total ...	10,85,000

3. The grants sanctioned herein include provision for any expenditure that may be incurred in England on stores for works classified as Military.

4. The preliminary budget estimates should be prepared for the amounts now provisionally sanctioned, and should be submitted so as to reach the Government of India punctually by the 15th January 1886.

Order—

The Governments of Madras, Bombay, Bengal, North-Western Provinces and Oudh, and the Punjab, in the Public Works Department.
The Chief Commissioners, Central Provinces, British Burma and Assam.
The Resident at Hyderabad.
The Agents to the Governor-General for Central India and Rajputana.
The Inspector-General of Military Works.

Ordered, that a copy of the foregoing resolution be forwarded to the local Governments, &c., noted in the margin for information and guidance.

Ordered also, that a copy be forwarded to the Quartermaster-General in India, Accountant-General, Public Works Department, and Accountant-General, Military Department, for information.

(Signed) O. R. NEWMARCH, Colonel,
Offg. Secretary to the Government of India.

To the Secretary to the Government of Madras,
Public Works Department.

From the Superintending Engineer,		I	Circle,	dated	7th	November	1885, No. 300 G.L.
"	"	III	"	"	25th	September	" "
"	"	IV	"	"	6th	October	" " 403 E.
"	"	V	"	"	5th	"	" " 2870.
"	"	V	"	"	5th	"	" " 2871.
"	"	VI	"	"	21st	September	" " 1005 T.J.

From Brigadier-General R. C. STEWART, Quartermaster-General, to the Secretary to Government, Public Works Department, dated Ootacamund, 1st December 1885, No. 4121 A.

In returning the statement received with your letter, No. 1897 C., dated 19th ultimo, I have the honor, by order, to state that the proposed distribution of the grant as therein indicated is approved by the Provincial Commander-in-Chief.

Order—dated 30th December 1885, No. 3092 W., Public Works.

In the resolution read above, the Government of India provisionally assigned a grant of Rs. 6,50,000 for the Military Works of this Presidency for 1886-87. This grant, distributed under departmental heads, will be as follows:—

	Rs.
Original Works, Major	
Do. Minor	2,29,616
Repairs	22,000
Establishment	2,71,368
Tools and plant	1,21,786
... ...	5,230
Total ...	6,50,000

2. The distribution of the grants to Major Works has been approved by the Provincial Commander-in-Chief. The grants for Minor Original Works and Repairs will, as usual, be held at the disposal of the Government and be appropriated early next year on receipt of detailed proposals from Superintending Engineers, and from the Provincial Commander-in-Chief in the case of grants to be placed at the disposal of officers of the Military Department commanding divisions and districts.

3. The total demands for the year on account of Minor Original Works and Repairs amount respectively to Rs. 1,00,000 and Rs. 3,50,000, as detailed in the schedule of Military requirements for that year, forwarded to the Government of India with Proceedings, No. 2446 W., dated 20th October 1885. As the grant for 1886-87 was assigned before receipt of the schedule referred to above, and as many important works are now held in abeyance from want of sufficient funds, the Government of India will be specially requested to increase the grant already assigned, so that the requirements under these heads may be met fully.

4. The Superintending Engineer, V Circle, will submit, at the earliest possible date, plans and estimates for Items 4 and 9 under Class B Works.

5. The grant originally assigned by the Government of India for 1885-86 was Rs. 6,50,000. This was subsequently reduced to Rs. 4,50,000 on account of the financial pressure in the year.

6. With these remarks, the preliminary issue of the Military Works budget estimate will be printed and circulated to the officers concerned, and four copies forwarded to the Government of India.

(Here enter No. 3093 W., dated 30th December 1885.)

(True Extract.)

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

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

Endorsement—dated 30th December 1885, No. 3093 W., Public Works.

Copy of the above forwarded to the Government of India.

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

Exd. A. Raitt.
Spare Copies

GENERAL.
ACCOUNT.

Govt. of {1885} Madras

PUBLIC WORKS.

Dated December, 30th.

Recd. *Encl.*

G.O., 30th Dec. 1885, No. 3093 W

DECEMBER.

Imperial Budget Estimate of Military Works for 1886-87

Forwarding copies of the preliminary issue of the —.

PRELIMINARY ISSUE.

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IMPERIAL.
MILITARY WORKS.

MADRAS.

PUBLIC WORKS DEPARTMENT.

IMPERIAL BUDGET-ESTIMATE

OF

MILITARY WORKS

OF THE

GOVERNMENT OF MADRAS

FOR THE YEAR

1887-88.

CHEPÂK,
17th December 1886.

(Signed) J. O. HASTED, Colonel, R.E.,
Secretary to Govt., P.W.D.

IMPERIAL.
MILITARY WORKS.

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MADRAS.

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Ditto ditto of Expenditure	2 & 3
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Ditto ditto Class B	6 & 7
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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 1887 TO 31st MARCH 1888.

——	Budget-Estimate, 1887-88.	Revised Estimate, 1886-87.	Budget-Estimate, 1886-87.	Actuals, 1885-86.
	Rs.	Rs.	Rs.	Rs.
In Public Works Department	25,000	16,000	30,000	25,881
In Civil and Military Departments	...	...	...	...
Total ...	25,000	16,000	30,000	25,881

CHARGES.

ABSTRACT OF THE BUDGET-ESTIMATE OF EXPENDITURE OF THE PUBLIC WORKS DEPARTMENT OF MILITARY WORKS IN MADRAS FOR THE YEAR FROM 1st APRIL 1887 TO 31st MARCH 1888.

——	Reference to Detailed Estimate.	Budget-Estimate, 1887-88.	Revised Estimate, 1886-87.	Budget-Estimate, 1886-87.	Actuals, 1885-86.
		Rs.	Rs.	Rs.	Rs.
Original Works. In progress ...	...	50,900	1,85,035	2,08,035	1,85,232
Original Works. Not commenced.	...	91,650			
Repairs ... Ordinary ...	...	3,00,000	3,10,465	3,10,465	1,73,187
Repairs ... Special ...	...	...			
Establishment	...	1,03,030	1,15,396	1,20,700	83,263
Tools and Plant	...	4,420	4,969	5,200	3,563
Suspense Account	...	...	...	...	...
Total ...	...	5,50,000	6,15,865	6,44,400	4,45,245

IMPERIAL.
MILITARY WORKS.

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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, 1887-88. Original Works. In progress.	Not commenced.	Total.	Repairs.	Establishment.	Tools and Plant.	Suspense Account.	Barrack Department.	Total.	Revised Estimate, 1886-87.	Budget-Estimate, 1886-87.	Actuals, 1885-86.
Provision from Imperial Funds.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
In India ...	50,900	91,650	1,42,550	3,00,000	1,03,030	4,420	...	...	5,50,000	6,15,865	6,44,400	4,45,245
In England.	...	...	...	...	...	...	...	...	...	—3,504	...	— 236
Total ...	50,900	91,650	1,42,550	3,00,000	1,03,030	4,420	...	...	5,50,000	6,12,36	6,44,400	4,45,009
Provision from Contributions.												
In India ...	...	...	...	...	...	...	...	...	...	...	...	72
Grand Total.	50,900	91,650	1,42,550	3,00,000	1,03,030	4,420	...	...	5,50,000	6,12,361	6,44,400	4,45,081

STATEMENT SHOWING THE WORKS ON WHICH THE OUTLAY IN ENGLAND ABOVE PROVIDED FOR IS TO BE INCURRED.

——	BUDGET-ESTIMATE, 1887-88. Original Works. In progress.	Not commenced.	Total.	Tools and Plant.	Suspense Account.	Total.	Revised Estimate, 1886-87.	Budget-Estimate, 1886-87.	Actuals, 1885-86.
							Rs.		Rs.
	...	...	...	...	...	...	3,504	...	236
Total ...	...	...	...	...	...	...	3,504	...	236

IMPERIAL
MILITARY WORKS.

PART

DETAIL OF THE BUDGET-ESTIMATE FOR
CLASS I

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	Collar maker and wheeler's shop, Royal Artillery.	5,663
	Nilgiri ...	Wellington ...	2	Quarters for three Apothecaries ...	...
	Presidency.	Fort St. George.	3	Converting a racquet court into a covered gymnasium.	11,890
	Do. ...	Bangalore ...	4	Alterations and additions to wash-houses, parade barracks.	12,993
Accommodation for Native troops.	Presidency.	Bangalore ...	5	Public buildings for a regiment of Native cavalry.	30,990
	Do. ...	Do. ...	6	Store rooms and workshops for the Pioneer regiment.	...
(2) *Ordnance Works* ...	Bellary ...	Bellary ...	7	Twelve Staff Sergeants' quarters, Ordnance Department.	...
	Presidency.	Fort St. George.	8	Adopting the existing magazine for storage of powder for Fort armament.	...
	Do. ...	Madras ...	9	Coal store, Ordnance Department.	...
				Minor works	...
				Total ...	...
				Grand Total ...	...

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MADRAS.

I—*cont.*

ORIGINAL WORKS FOR THE YEAR 1887-88.

WORKS.

Outlay.		Grant, 1887-88.			Item No.	Remarks and References.
Actual to end of 1885-86.	Probable during 1886-87.	Works in progress.	Works not commenced.	Total.		
Rs.	Rs.	Rs.	Rs.	Rs.		
...	...	...	5,663		1	G.O., No. 914 W., dated 3rd April 1884. Item No. 3, class C works, budget of 1886-87.
...	...	...	16,000		2	Estimate is awaited.
2,040	280	9,570	...		3	G.O., No. 1552 W., dated 20th June 1884. Item No. 17, class C works, budget of 1886-87.
7,946	...	4,554	...	35,787	4	G.O., No. 1102 W., dated 7th May 1886. Item No. 23, class C works, budget of 1886-87.
...	...	...	10,000		5	G.O., No. 1302 W., dated 25th May 1886. Item No. 36, class C works, budget of 1886-87.
...	...	...	3,000	13,000	6	Estimate is awaited. Item No. 35, class C works, budget of 1886-87.
...	...	...	10,000		7	Estimate is awaited.
...	...	...	17,000		8	Do. do.
...	...	...	9,000		9	Do. do.
...	...	...	20,987	36,000 20,987		
...	...	14,124	91,650	1,05,774		
...	...	...	...	1,42,550		

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	Constructing a barracks for accommodating 50 additional men and a canteen.	1,35,697
Accommodation for Native troops.	Presidency.	Bangalore ...	2	Public buildings for a regiment of Native infantry.	21,636
	Trichinopoly.	Trichinopoly.	3	Construction of stone drains required for new lines.	...
				Total ...	...

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MADRAS.

I.

ORIGINAL WORKS FOR THE YEAR 1887-88.

WORKS.

Outlay.		Grant, 1887-88.			Item No.	Remarks and References.
Actual to end of 1885-86.	Probable during 1886-87.	Works in progress.	Works not commenced.	Total.		
Rs.	Rs.	Rs.	Rs.	Rs.		
1,14,981	10,115	20,000	...	20,000	1	G.O., No. 2305 W., dated 13th September 1886. Item No. 1, class A works, budget of 1886-87. Supplemental estimate is awaited.
...	10,000	11,636	...		2	G.O., No. 2952 W., dated 29th November 1884. Item No. 11, class B works, budget of 1886-87.
...	4,907	5,140	...	16,776	3	Estimate is awaited. Item No. 13, class B works, budget of 1886-87.
...	...	36,776	...	36,776		

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IMPERIAL.
MILITARY WORKS.

APPENDIX

LIST OF WORKS (OR CLASS C WORKS) OMITTED FROM THE BUDGET-ESTIMATE OF 1887-88, BUT ON CLASS B

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.
					Rs.
				IMPERIAL ORDINARY.	
				Milit[illegible].	
				Original Works.	
(1) *Accommodation for troops*— Buildings for European troops in the plains. Permanent.	Bellary ...	Bellary ...	1	Armourer's shop, 2nd Light Cavalry.	2,695
	Do. ...	Do. ...	2	A new gun-shed, Royal Artillery.	...
	Do. ...	Do. ...	3	Swimming-bath, British infantry.	7,644
	Do. ...	Do. ...	4	Infectious disease ward and cook-house, Station hospital.	6,140
	Do. ...	Do. ...	5	Alterations and additions to Military prison and adjoining buildings.	...
	Do. ...	Do. ...	6	Armourer's shop for the Arsenal ...	...
	Nilgiri ...	Wellington ...	7	Quarters for a Barrack Sergeant ...	7,348
	Do. ...	Do. ...	8	Gymnasium	...
	Do. ...	Do. ...	9	Constructing a new Lock hospital.	...
	Do. ...	Do. ...	10	Accommodation for a mountain battery.	...
	West Coast.	Calicut ...	11	Providing barrack accommodation for 100 men.	...
	Do. ...	Cannanore ...	12	Plunge-bath for European Infantry barracks.	4,640
	Do. ...	Do. ...	13	Improving latrines for European Infantry barracks.	2,780
	Do. ...	Do. ...	14	Improving the roof of regimental guard room, European Infantry barracks.	...
	Presidency.	Fort St. George.	15	Remodelling drainage	...
	Do. ...	Madras ...	16	Constructing coach-houses and stables on the esplanade in front of the Body Guard lines for use of officers in Fort St. George.	...
	Do. ...	Bangalore ...	17	Constructing V drains around the single men's blocks.	...
	Do. ...	Do. ...	18	Quarters for schoolmaster and schoolmistress.	10,240
				Carried over ...	...

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MADRAS.

B.

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

Outlay.		Amount applied for 1887-88.			Item No.	Remarks and References.
Actual to end of 1885-86.	Probable during 1886-87.	Works in progress.	Works not commenced.	Total.		
Rs.	Rs.	Rs.	Rs.	Rs.		
...	...	...	2,695		1	G.O., No. 2266 W., dated 14th September 1881. Item No. 6, class C works, budget of 1886-87.
...	...	...	3,979		2	Estimate is awaited.
...	...	...	7,644		3	G.O., No. 2434 W., dated 19th October 1885. Item No. 4, class C works, budget of 1886-87.
...	...	...	6,140		4	G.O., No. 320 W., dated 7th February 1884. Item No. 5, class C works, budget of 1886-87.
...	...	...	11,260		5	Estimate is awaited. Item No. 2, class C works, budget of 1886-87.
...	...	...	4,650		6	Estimate is awaited.
...	...	...	7,348		7	G.O., No. 1941 W., dated 21st August 1885. Item No. 10, class C works, budget of 1886-87.
...	...	...	10,000		8	Estimate is awaited. Item No. 7, class C works, budget of 1886-87.
...	...	...	4,180		9	Estimate is awaited. Item No. 9, class C works, budget of 1886-87.
...	...	...	10,000		10	Estimate is awaited.
...	...	...	...		11	Estimate is awaited. Amount not shown by the Military Department.
...	...	...	4,640		12	G.O., No. 418, dated 16th February 1876. Item No. 11, class C works, budget of 1886-87.
...	...	...	2,780		13	G.O., No. 1056 W., dated 4th April 1879. Item No. 12, class C works, budget of 1886-87.
...	...	...	5,060		14	Estimate is awaited.
...	...	...	10,000		15	Estimate is awaited. Item No. 13, class C works, budget of 1886-87.
...	...	...	15,770		16	Estimate is awaited.
...	...	...	7,830		17	Do. do.
...	...	...	10,240		18	G.O., No. 2384 W., dated 20th September 1886. Item No. 19, class C works, budget of 1886-87.
...	...	...	...	...		

IMPERIAL
MILITARY WORKS.

APPENDIX

LIST OF WORKS (OR CLASS C WORKS) OMITTED FROM THE BUDGET-ESTIMATE OF 1887-88, 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 ...	19	New orderly room for 12th Lancers, or conversion of Quartermaster's stores into orderly room and stores.	...
	Do. ...	Do. ...	20	Quarters for Senior Apothecary, North Station hospital.	5,300
	Do. ...	Do. ...	21	Quarters for the Assistant Apothecary, North Station hospital.	4,773
	Chingleput.	St. Thomas' Mount.	22	A wheeler and collar maker's shop, West barracks.	5,660
	Do. ...	Do. ...	23	Sergeants' Mess for East barracks.	...
	Do. ...	Do. ...	24	General improvements to the drains of the cantonment.	...
	Do. ...	Do. ...	25	Quarters for three Medical Subordinates, Station hospital.	...
	Do. ...	Do. ...	26	Quarters for head-quarter's staff, Royal Artillery.	...
	Do. ...	Do. ...	27	Battery office for P/1st Royal Artillery.	4,200
	Do. ...	Do. ...	28	Raising the roof of harness rooms, troop lines.	2,820
	Do. ...	Do. ...	29	Wooden shed at the proof range ...	2,520
	Do. ...	Do. ...	30	Converting the disused gun shed between the North barracks and the main guard into a coffee shop, recreation room, and library.	...
	Do. ...	Pallávaram ...	31	One mortuary room for each of the three hospitals, Nos. 1 to 3.	...
	Do. ...	Poonamallee.	32	Improvements to the old barracks with possibility of obviating construction of the new.	...
	Do. ...	Do. ...	33	Warrant officers' quarters ...	...
	Do. ...	Do. ...	34	Two Staff Sergeants' quarters, first class.	...
	Do. ...	Do. ...	35	Coffee shop	...
				Carried over ...	...

B—*cont.*

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

Outlay.		Amount applied for 1887-88.			Item No.	Remarks and References.
Actual to end of 1885-86.	Probable during 1886-87.	Works in progress.	Works not commenced.	Total.		
Rs.	Rs.	Rs.	Rs.	Rs.		
...	...	...	6,500		19	Estimate is awaited.
...	...	...	5,300		20	G.O., No. 3385 W., dated 27th November 1883. Item No. 20, class C works, budget of 1886-87.
...	...	...	4,773		21	G.O., No. 938 W., dated 5th April 1884. Item No. 21, class C works, budget of 1886-87.
...	...	...	5,660		22	G.O., No. 2717 W., dated 3rd November 1884. Item No. 24, class C works, budget of 1886-87.
...	...	...	6,000		23	Estimate is awaited.
...	...	...	10,000		24	Do. do.
...	...	...	8,000		25	Do. do.
...	...	...	12,000		26	Do. do.
...	...	...	5,000		27	Do. do.
...	...	...	4,200		28	G.O., No. 3137 W., dated 17th December 1881. Item No. 25, class C works, budget of 1886-87.
...	...	...	2,820		29	G.O., No. 3077 W., dated 13th December 1884. Item No. 26, class C works, budget of 1886-87.
...	...	...	2,520		30	G.O., No. 1234 W., dated 28th May 1885. Item No. 27, class C works, budget of 1886-87.
...	...	...	3,000		31	Estimate is awaited. Item No. 28, class C works, budget of 1886-87.
...	...	...	5,000		32	Estimate is awaited.
...	...	...	3,500		33	Do. do.
...	...	...	6,000		34	Do. do.
...	...	...	9,000		35	Do. do.
...	...	...	...	...		

APPENDIX

LIST OF WORKS (OR CLASS C WORKS) OMITTED FROM THE BUDGET-ESTIMATE OF 1887-88, 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 Native troops.	Vizagapatam.	Vizianagram.	36	Regimental store room for Native infantry, including storage for camp equipage.	3,480
	Bellary ...	Bellary ...	37	School-house for the Native Infantry regiment.	3,030
	West Coast.	Quilon ...	38	Sepoy lines	...
	Do. ...	Mangalore ...	39	Providing drains for the lines of the Native infantry.	...
	Presidency.	Madras ...	40	Constructing two male and two female latrines for Native Infantry lines at Perambúr.	...
	Do. ...	Do. ...	41	Flushing drains for Native Infantry lines at Ráyapuram.	4,300
	Chingleput.	Pallávaram ...	42	Magazine for a Madras Infantry regiment.	4,900
	Do. ...	Do. ...	43	Armourer's shop for a Madras Infantry regiment.	2,880
	Trichinopoly.	Trichinopoly.	44	Workshops for a Pioneer regiment.	...
(2) *Ordnance Works.*	Presidency.	Madras ...	45	Compound wall round the Gunpowder Factory.	...
	Do. ...	Do. ...	46	Extra accommodation as store-rooms in the Gunpowder Factory.	...
(3) *Commissariat Buildings.*	West Coast.	Calicut ...	47	Mules and cattle shed	...
	Presidency.	Bangalore ...	48	Quarters for a Conductor, Transport Department.	5,800
	Do. ...	Do. ...	49	Quarters for Ambulance Sergeant, near Cattle lines, Transport Department.	...
	Do. ...	Madras ...	50	Lines for transport attendants ...	...
	Do. ...	Do. ...	51	Workshops and sheds for carts, doolies, &c., Transport Department.	...
	Do. ...	Do. ...	52	Construction of a shed at the Camp Equipage Depôt.	...
				Carried over ...	...

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1893

B—*cont.*

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

Outlay.		Amount applied for 1887-88.			Item No.	Remarks and References.
Actual to end of 1885-86.	Probable during 1886-87.	Works in progress.	Works not commenced.	Total.		
Rs.	Rs.	Rs.	Rs.	Rs.		
...	...	...	3,480		36	G.O., No. 2628 W., dated 27th October 1884. Item No. 32, class C works, budget of 1886-87.
...	...	...	3,030		37	G.O., No. 149 W., dated 17th January 1884. Item No. 33, class C works, budget of 1886-87.
...	...	...	20,000		38	Estimate is awaited.
...	...	...	6,030		39	Do. do.
...	...	...	3,000		40	Do. do.
...	...	...	4,300		41	G.O., No. 1397 W., dated 4th June 1884. Item No. 34, class C works, budget of 1886-87.
...	...	...	4,500		42	G.O., No. 334 W., dated 8th February 1886. Item No. 38, class C works, budget of 1886-87.
...	...	...	2,880		43	G.O., No. 3149 W., dated 22nd December 1884. Item No. 20, class C works, budget of 1886-87.
...	...	...	8,000		44	Estimate is awaited.
...	...	...	20,200		45	Estimate is awaited. Item No. 39, class C works, budget of 1886-87.
...	...	...	6,000		46	Estimate is awaited. Item No. 40, class C works, budget of 1886-87.
...	...	...	4,000		47	Estimate is awaited.
...	...	...	5,800		48	G.O., No. 992 W., dated 16th April 1886. Item No. 51, class C works, budget of 1886-87.
...	...	...	3,000		49	Estimate is awaited.
...	...	...	48,000		50	Estimate is awaited. Item No. 49, class C works, budget of 1886-87.
...	...	...	5,500		51	Estimate is awaited. Item No. 50, class C works, budget of 1886-87.
...	...	...	5,300		52	Estimate is awaited. Item No. 48, class C works, budget of 1886-87.
...	...	...	...	...		

IMPERIAL.
MILITARY WORKS.

APPENDIX

LIST OF WORKS (OR CLASS C WORKS) OMITTED FROM THE BUDGET-ESTIMATE OF 1887-88, BUT (IN 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.*	Presidency.	Teynampet ...	53	Construction of a wheat godown ...	...
	Chingleput.	Guindy ...	54	Quarters for station butchers attached to slaughter-house.	...
(4) *Staff and Miscellaneous.*	Nilgiri ...	Ootacamund.	55	Water-supply, Lawrence Asylum.	...
(8) *Fortifications* ...	West Coast.	Malapuram ...	56	Constructing fortifications ...	...
	Presidency.	Fort St. George	57	Facing the *en ceinte* of Fort St. George with Portland cement.	...
	Do. ...	Do. ...	58	Demolition of Wallajah ravelin and two lunettes.	...
	Do. ...	Do. ...	59	Constructing a draw-bridge to North Gate.	...
	North Arcot.	Vellore ...	60	Draw-bridge and gate for the Fort.	6,450
				Total ...	...

B—*concld.*

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

Outlay.		Amount applied for 1887-88.			Item No.	Remarks and References.
Actual to end of 1885-86.	Probable during 1886-87.	Works in progress.	Works not commenced.	Total.		
Rs.	Rs.	Rs.	Rs.	Rs.		
...	...	...	5,950	...	53	Estimate is awaited. Item No. 46, class C works, budget of 1886-87.
...	...	...	4,730	...	54	Estimate is awaited. Item No. 52, class C works, budget of 1886-87.
...	...	...	7,000	...	55	Estimate is awaited. Item No. 55, class C works, budget of 1886-87.
...	...	...	8,000	...	56	Estimate is awaited.
...	...	...	5,000	...	57	Do. do.
...	...	...	7,426	...	58	Estimate is awaited. Item No. 53, class C works, budget of 1886-87.
...	...	...	2,680	...	59	Estimate is awaited.
...	...	...	6,450	...	60	G.O., No. 528 W., dated 7th March 1884. Item No. 54, class C works, budget of 1886-87.
...	...	...	...	...		

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GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

Read—the following papers :—

From the Superintending Engineer,	I Circle,	dated	1st	November	1886.		
" "	" II	"	"	22nd October	"		
" "	" III	"	"	20th September	"		
" "	" IV	"	"	9th October	"	No.	378 E.W.
" "	" V	"	"	17th	"	"	3587.
" "	" V	"	"	17th	"	"	3588.
" "	" VI	"	"	30th	"	"	1094 T.J.

Extract from the Proceedings of the Government of India in the Military Department, under date Simla, the 1st November 1886, No. 1672-M-W. (Accounts).

Resolution—

The following provisional distribution of the Imperial grant for Military works for 1887-88 is hereby notified :—

	Rs.
Central India	1,50,000
Hyderabad	1,75,000
Rajputana	1,50,000
Military Works Department	58,00,000
Central Provinces	1,25,000
Lower Burma	2,50,000
Assam	1,75,000
Bengal	40,000
North-Western Provinces and Oudh	1,10,000
Punjab	2,50,000
Madras	5,50,000
Bombay	11,00,000
Total ...	88,75,000
Leaving for reserve with the Government of India and for the requirements in Upper Burma	11,25,000
Total ...	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 preliminary budget estimates should be prepared for the amounts now provisionally sanctioned, and should be submitted so as to reach the Government of India punctually by the 15th January 1887.

4. Orders as regards the grants required for special defence works will issue hereafter.

Order—

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

The Governments of Madras, Bombay, Bengal, North-Western Provinces and Oudh, and the Punjab, in the Public Works Department.
The Chief Commissioners, Central Provinces, British Burma and Assam.
The Resident at Hyderabad.
The Agents to the Governor-General for Central India and Rajputana.
The Inspector-General of Military Works.

Ordered also, that a copy be forwarded to the Quartermaster-General in India, Accountant-General, Public Works Department, and the Accountant-General, Military Department, for information.

(Signed) O. R. NEWMARCH, Major-General,
Secretary to the Govt. of India.

To the Secretary to the Government of Madras,
Public Works Department.

From Brigadier-General E. FAUNCE, Officiating Quartermaster-General, to the Secretary to Government, Public Works Department (through the Secretary to Government, Military Department), dated Bangalore, 1st December 1886, No. 51 T.

I have the honor, by order, to acknowledge the receipt of your letter, No. 4067 C., dated 18th instant, forwarding a copy of the Resolution of the Government of India, which distributes the Imperial grant for Military works in 1887-88, and submitting, for the consideration of the Commander-in-Chief, a statement showing the proposed detail allotments for major works of the grant to this presidency.

2. The Provincial Commander-in-Chief observes with regret that the grant made to Madras for the coming year falls short by no less a sum than one lakh of the amount sanctioned for the current year; he was in hopes that with the support of the Madras Government the repeated representations made of late years, showing, as they did, that for years past funds given have not admitted of either the execution of a proper proportion of new works, or the maintenance of existing works in proper repair, would have secured to the presidency more liberal treatment in the future.

3. It is therefore a serious disappointment to him to find that, in the coming year, the unfortunate condition of military works required and in existence will be aggravated instead of relieved.

4. As regards the details of the proposed distribution of the small grant for major works, General Rowlands desires me to offer the following observations:—

i. Although the additional buildings at Malapuram for 50 more men, and for canteen accommodation have not been sanctioned, the increase of the garrison of that outpost by 50 men has been approved by Government,* and estimates for the requisite accommodation have been called for, so that the Provincial Commander-in-Chief considers it essential that the preliminary budget estimate should contain provision for this work.

* Proceedings of Government (Military Department), No. 7124, dated 15th November 1886.

ii. Similarly General Rowlands would wish that provision should be made for adopting the existing magazine in Fort St. George for storage of powder for Fort armament, a work which the Government of India required to be carried out instead of a new magazine on the berm, and which the Executive Engineer, Presidency, some years ago said would cost Rs. 17,000.

iii. The item of barrack accommodation for 100 men at Calicut, the Provincial Commander-in-Chief considers, may remain unprovided for in the coming year, as the location of the extra number of men at that station has not yet been suggested to Government.

5. Assuming that it is now too late to hope for any addition to the grant, it remains to be considered how funds are to be provided for the two works above mentioned, which the Provincial Commander-in-Chief would wish to find a place in the budget.

6. I am accordingly to suggest that the works, items 6, 10, 13, 14 of the statement (herewith returned), be omitted, and that the allotments made to the works, items 7 and 12, be reduced by Rs. 5,000 each, if necessary, so as to meet the probable demands for the two works to be inserted, item No. 10 being retained, if possible, to meet requirements without making use of the grant proposed for it.

7. I am to take this opportunity of mentioning that it is presumed the Government of India will be prepared to renew such portion of its special grant for works connected with increased accommodation for British troops, consequent on augmentation, as may remain unexpended at the end of the current year; far from delay in submission of estimates and other causes, there seems at present reason to anticipate that the works which are contemplated to be met from this source will not be fully carried out before the close of this year.

8. Before closing, I am to observe that in the statement a sum of Rs. 7,946 is entered as having been expended up to 1885-86 on the improvements to the wash-houses, parade barracks, Bangalore, item 1; but this office has no knowledge of any work in connection with these wash-houses having been executed.

No. 7523, Military.

Forwarded.

FORT ST. GEORGE, 3rd December 1886.

(Signed) A. R. KENNEY-HERBERT, Lieut.-Col.,
Secretary to Government.

ORDER—dated 17th December 1886, No. 3326 W., Public Works.

The grant of Rs. 5,50,000 provisionally sanctioned by the Government of India in their Resolution recorded above, for expenditure on Military works in this presidency during 1887-88, will be distributed as shown below, under departmental heads:—

	RS.
Works	4,42,550
Establishment	1,03,030
Tools and plant	4,420
Total ...	5,50,000

2. Of the sum of Rs. 4,42,550 available for works, Rs. 3,60,000 for repairs and Rs. 20,987 for minor original works have been set aside; and the balance, Rs. 1,21,563, has been distributed to major works with the approval of the Provincial Commander-in-Chief. The amounts set aside for repairs and minor original works will, as usual, be held at the disposal of the Government and will be appropriated early next year on receipt of detailed proposals from the Superintending Engineers. After providing for incomplete works of the current official year, and for such of the minor new works as are considered emergent, the balance of the minor original works grant will be placed at the disposal of the Officers Commanding Divisions and Districts.

3. The Superintending Engineers concerned will submit, without loss of time, plans and estimates for the unsanctioned works for which funds have been provided during the year.

4. In the budget for the current official year a special grant of Rs. 44,000 (including establishment and tools and plant) was provided for the marginally-noted buildings required in connection with the increased strength of British troops. For causes mentioned in paragraph 7 of the Quartermaster-General's letter recorded above, the greater portion of this grant will lapse at the close of the current official year, and the Government of India will be requested to renew next year such portion of the grant which may remain unspent.

Alterations and additions to—
(1) Blocks of married quarters and to the buildings occupied by the office of the Surgeon-General, Fort St. George, Madras.
(2) Stables for 63 extra horses, British Cavalry, Bangalore.
(3) Alterations to the British Cavalry barracks, Bangalore.
(4) Improvements to the old barracks, St. Thomas' Mount.

5. The special attention of the Government of India will be drawn to the remarks in paragraphs 2 and 3 of the Quartermaster-General's letter.

6. With reference to paragraph 8 of the Quartermaster-General's letter, the Superintending Engineer, V Circle, will furnish the details of the expenditure of Rs. 7,946 recorded in the accounts for 1883-84 as having been incurred on the alterations to the parade barracks, Bangalore—Item No. 4, Class B Works.

7. The budget grant for 1886-87 was Rs. 6,44,100. This was subsequently reduced to Rs. 6,15,865, the difference having been withdrawn by the Government of India.

8. With these remarks the preliminary issue of the Military works budget estimate for 1887-88 will be printed and circulated to the officers concerned, and four copies will be forwarded to the Government of India.

(Here enter No. 3327 W., dated 17th December 1886.)

(True Extract.)

(Signed) J. O. HASTED, Colonel, R.E.,
Secretary to Govt., P.W.D.

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

LETTER—to the Secretary to the Government of India, Military Department, dated Fort St. George, 17th December 1886, No. 3327 W.

With reference to Government of India Resolution, No. 1672-M-W., dated 1st November 1886, I am directed to forward four copies of the preliminary issue of the Madras Military works budget for 1887-88, prepared for the provisional grant of Rs. 5,50,000 sanctioned by the Government of India.

2. I am at the same time to draw the earnest attention of the Government of India to the remarks in paragraphs 2 and 3 of the Quartermaster-General's letter, No. 51 T., dated 1st December 1886, forwarded. The allotments sanctioned for the ensuing year are compared below with the demands detailed in the schedule of requirements forwarded with my letter, No. 2498 W., dated 25th September 1886:—

* No. 3326 W., dated 17th December 1886. printed with the proceedings* herewith

	Demands.	Provisional grant.
	Rs.	Rs.
Major works	4,85,730	1,21,563
Minor do.	1,20,000	20,987
Repairs	3,50,000	3,00,000
Establishment	2,19,817	1,03,030
Tools and plant	9,553	4,420
Total ...	11,85,100	5,50,000

The grant for 1887-88 is thus less than the demand by Rs. 6,35,100, and one lakh less than the provisional assignment sanctioned for 1886-87. The unfortunate condition of Military works in this presidency has repeatedly been brought under the notice of the Government of India, and in my letter, No. 2498 W., dated 25th September 1886, the Government of India was urged to make a specially liberal grant for 1887-88, but notwithstanding this appeal the grant assigned is even less than that given in previous years. This result is extremely disappointing both to this Government and to His Excellency the Commander-in-Chief, and I am to urge upon the consideration of the Government of India the question of extending more liberal treatment to Madras in the distribution of Imperial allotments, and of increasing, if possible, the provisional assignment for 1887-88.

3. The items in the budget, for which estimates have not yet been sanctioned, have been entered at the special request of the Commander-in-Chief, and as it is hoped that the estimates will shortly be ready, I am to request that the amounts provided may be allowed to stand.

4. I am to invite the attention of the Government of India to the remarks in paragraph 7 of the Quartermaster-General's letter relative to the renewal next year of the unexpended portion of the special grant made this year for works connected with increased accommodation for British troops.

5. I am further to invite the attention of the Government of India to my letter, No. 2293 W., dated 10th September 1886, and to point out that no provision whatever has been made for commencing in 1887-88 the project for improving the water-supply of the garrison of Bangalore, a work essential to the health of the troops at that station.

(Signed) J. O. HASTED, Colonel, R.E.,
Secretary to Govt., P.W.D.

Exd. P. L. Pereira.
Spare Copies

GENERAL.
ACCOUNT.

Govt. of {1886} Madras.

PUBLIC WORKS.

Dated December, 17th.

Read. *Encl.*

G.O., 17th Dec. 1886, Nos. 3326. 3327 W.

DECEMBER.

Budget Estimate

Imperial Military works — for 1887-88.—The preliminary issue of the —, forwarded to the Government of India with remarks.

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GOVERNMENT OF MADRAS.

MILITARY DEPARTMENT.

15th November 1886, No. 7124.

Distribution of Army.

Read the following papers :—

No. 183. *From the Quarter Master General; dated 30th Aug.* 1886, *No.* 3113-*A.*

No. 184. *To the Secretary to the Government of India, Military Department; dated 7th September* 1886, *No.* 5511.

No. 185. *From Major-General O. R. NEWMARCH, Secretary to the Government of India, Military Department, to Lieut.-Colonel A. KENNEY-HERBERT, Secretary to the Government of Madras, Military Department; dated Simla, 27th October* 1886, *No.* 2146-*C.*

Distribution of Army.

In reply to your letter No. 5511, dated the 7th September 1886, I am directed to say, for the information of the Governor in Council, that the Government of India approve of the proposal to reduce the number of British troops in the Malabar district to the strength noted in the margin, and to transfer the head-quarters and remainder of the British Infantry regiment now at Cannanore to Wellington.

	Rank and File.
Cannanore	100
Calicut	100
Malapuram	150

No. 186. ORDER THEREON, 15th November 1886, No. 7124.

Ordered that the foregoing letter from the Government of India be communicated for the information of the Provincial Commander-in-Chief, and for guidance.

(True Extract.)

(Signed) A. KENNEY-HERBERT, Lt.-Col.,
Secretary to Government.

To the Quarter Master General.
,, Adjutant-General.
,, Commissary-General.
,, Controller of Military Accounts.
,, Judicial Department, for information.

Exd. E. C. Shunker.

Govt. of {1886} Madras.

MILITARY.

To

THE QUARTER MASTER GENERAL,
&c., &c., &c.

Dated November, 15th.

Issued

Recd. *Encl.*

G.O., 15th November 1886, No. 7124.

NOVEMBER.
Nos. 183—186.

Distribution of Army.

British troops in the Malabar District.—Proposal to reduce the number of — and to transfer of Wellington the head-quarters and remainder to the British Infantry regiment now at Cannanore, approved by the Government of India.

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1893.

Accounts
Budget Estimate.

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

GOVERNMENT OF INDIA.

MILITARY DEPARTMENT.

Extract from the Proceedings of the Government of India, Military Department,—(No. 607 M-W, dated Fort William, the 18th March 1887.)

MADRAS.

Orders on Military Works budget estimate for 1887-88, and revised estimate for 1886-87.

READ—

Military Department Resolution No. 1672-M-W, dated the 1st November 1886.

Letter No. 3327-W, dated the 17th December 1886, from Government of Madras.

RESOLUTION.—The estimates of revenue are accepted for the sums entered in the subjoined table—

REVENUE.

	Budget Estimate, 1887-88.	Revised Estimate, 1886-87.	Budget Estimate, 1886-87.	Actuals, 1885-86.
	Rs.	Rs.	Rs.	Rs.
In Public Works Department	25,000	16,000	30,000	25,881
Total ...	25,000	16,000	30,000	25,881

EXPENDITURE.

Budget Estimate, 1887-88.

2. The estimate has been prepared for the grant of Rs. 5,50,000 sanctioned in Military Department Resolution No. 1672-M-W, dated 1 November 1886; with reference to para. 2 of the letter from the Government of Madras quoted in the preamble, the Government of India regret being unable to provide a larger allotment.

3. The details of Part I of the estimate are passed, subject to the following remarks:—

i. *Class A works.—Item 1, barracks for 50 additional men and canteen at Malapuram.* It has been found desirable to allot only Rs. 11,000 for this work, until it is known what the supplemental estimate includes, what it amounts to, and what prospect there is of the work being vigorously prosecuted. The balance of the grant may be held in reserve by the Madras Government for the present.

ii. *Class B works.*—It is noticed that estimates for items Nos. 2, 6, 7, 8 and 9 have not been prepared and sanctioned. The provision made for items 2 and 6 of the budget seems too high, but the allotments are admitted on the condition that no excess is permitted to take place.

iii. The remaining three items are Ordnance works, but were not brought forward by the Director-General of Ordnance in his schedule of requirements for 1887-88, and the Government of India has no means of judging whether the works proposed will be completed for the sums entered in the budget estimate. The allotments aggregating Rs. 36,000 are passed provisionally subject to redistribution in communication with the Inspector-General of Ordnance, who should obtain the concurrence of the Director-General of Ordnance to any proposals he may recommend to the Madras Government. The final distribution of the allotment of Rs. 36,000 to works or special repairs, or to both, should be communicated to the Government of India.

Revised estimate for 1886-87.

4. The revised estimate has been passed for the amount of the existing grant, Rs. 6,23,400

5. The details of the estimates of expenditure passed by the Government of India are exhibited in the following table:—

		Budget Estimate, 1887-88.	Revised Estimate, 1886-87.	Budget Estimate, 1886-87.	Actuals, 1885-86.
		Rs.	Rs.	Rs.	Rs.
Original works	In progress ...	50,900	1,92,900	2,08,035	1,85,232
	Not commenced ...	91,700			
Repairs		3,00,000	3,10,500	3,10,465	1,73,187
Total works and repairs ...		4,42,600	5,04,400	5,18,500	3,58,419
Establishment		1,03,000	1,17,500	1,20,700	83,263
Tools and plant		4,400	5,000	5,200	3,563
		5,50,000	6,26,900	6,44,400	4,45,245
DEDUCT—Excess amount included for expenditure in England in revised estimate.		.....	1,500	.....	.....
		5,50,000	6,25,400	6,44,400	4,45,245
DEDUCT—Expenditure in England ...		.....	*2,000	.....	236
Net Indian outlay ...		5,50,000	6,23,400	6,44,400	4,45,009

* Reduced to Rs. 2,000 to accord with latest advices received from the Secretary of State.

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6. The authority herewith given to incur expenditure within the limits shewn in the foregoing table is subject to the condition of a strict adherence to the rules in force regarding the financial regularity of departmental work.

ORDER.—Ordered, that this resolution be communicated to the Government of Madras, for information and guidance, with the request that 45 printed copies of the budget estimate, as now passed, may be submitted so as to reach the Government of India not later than the 1st May 1887.

Ordered also, that a copy be forwarded to the Accountant-General, Public Works Department, for information.

(True extract)

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

4:8
1893

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

READ—the following papers:—

From the Quartermaster-General, to the Secretary to Government, Military Department, dated Ootacamund, 28th October 1885, No. 3716 A.

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

I. Abstract and detailed estimate, amounting to Rs. 980, for converting the cook-room of the married quarters at the West Hill barracks, Calicut, into a bakery.

II. Report and plan.

2. General Rowlands considers the early provision of this bakery a matter of great importance.

No. 6036, Military.

Approved and transferred to the Public Works Department for disposal.

(By Order.)

FORT ST. GEORGE, 30th October 1885. (Signed) A. R. KENNEY-HERBERT, Lieut.-Col., Offg. Secretary to Government.

From Colonel ROSS THOMPSON, R.E., Officiating Superintending Engineer, IV Circle, to the Chief Engineer, Public Works Department, dated Coimbatore, 7th November 1885, No. 451 E.W.:—

With reference to your endorsement, No. 1762 C., dated 5th instant, on the Military Secretary's No. 6036 of 30th ultimo, I have the honor to return herewith, duly approved, the plan and estimate, amounting to Rs. 1,010, for converting the cook-room into a bakery at the West Hill barracks, Calicut, together with the documents therewith received.

ORDER—dated 16th November 1885, No. 2740 W., Public Works.

The estimate, amounting to Rs. 1,010, for converting into a bakery the cook-room at the West Hill barracks, Calicut, is sanctioned for execution when funds are available.

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2. This sanction has been registered as Imperial, Ordinary, No. 49 W. of 1885-86, and classified as Military, Original Works.

(True Extract.)

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

To the Superintending Engineer, IV Circle, with two enclosures.
" Examiner, Public Works Accounts, with the estimate for note and return to Superintending Engineer, IV Circle.
" Military Department.

Exd. J. Henricus.
Spare Copies

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1885} Madras.

PUBLIC WORKS.

Dated November, 16th.

Encl.

Recd.

G.O., 16th Nov. 1885, No. 2740 W.

NOVEMBER.

West Hill Barracks, Calicut

Estimate for converting into a bakery the cook-room at the —, sanctioned.

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GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

READ—the following papers :—

From Brigadier-General E. FAUNCE, Quartermaster-General, to the Secretary to Government, Military Department, dated Ootacamund, 25th February 1887, No. 862 A.

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

Plans and estimates, amounting to Rs. 38,940, for a barrack for 50 men (with out-houses) at Malapuram.

No. 1170, Military.

Approved and transferred to the Public Works Department for disposal.

(By Order.)

FORT ST. GEORGE,
28th February 1887.

(Signed) A. R. KENNEY-HERBERT, Lieut.-Col.,
Secretary to Government.

Memorandum to the Superintending Engineer, IV Circle, dated 8th March 1887, No. 846 C.

Forwarded to the Superintending Engineer, IV Circle, with reference to the following remarks.

2. In the Quartermaster-General's letter printed with G.O., No. 2497 W., dated 25th September 1886, it was stated that a canteen was required at Malapuram, in addition to the extra barrack needed for the increased garrison, but the estimate now submitted makes no provision for a canteen, and no explanation of the omission is given. If the military authorities have not requested a postponement of the work, provision for it should at once be made in the estimate, and a plan and specification should be submitted.

3. No specification has been submitted with the present estimate, and the report makes no reference to the fact that it is supplemental to the estimate of Rs. 1,35,697 sanctioned in G.O., No. 2305 W., dated 13th September 1886. A specification should now be added to the documents submitted.

4. Front and end elevations of the additional barrack should be submitted, and it should be explained whether the buildings now proposed are to be constructed on the same lines as those under completion for the accommodation of 100 men. It should be remembered that the plans and estimates sanctioned in G.O., No. 1840 W., dated 18th July 1882, had to be submitted to the Government of India because they deviated from standard designs, and full information should therefore be submitted with respect to the present plans and estimates in the event of their having to be forwarded to the Government of India.

5. It should further be reported whether the barrack now proposed, and the canteen, will complete the accommodation required by the military authorities.

6. The reply to this reference should be submitted with the least possible delay, for it is important that the work should be commenced as early as practicable in view to the provision for it in the budget for 1887-88 being fully utilised.

From Colonel J. BEATTY, R.E., Superintending Engineer, IV Circle, to the Chief Engineer, Public Works Department, dated Coimbatore, 11th March 1887, No. 124 E.W.

With reference to your memorandum, No. 846 C., of 8th instant, I have the honor to forward, for your information, copy of my letter to the Deputy Assistant Quartermaster-General, No. 32-M. of 8th ultimo, on the subject of a canteen and to which I have had no reply. A reminder is now sent.

2. In the case of the barrack with out-houses, no specification was sent as they are to be in all respects similar to the barracks already constructed. A specification, however, will now be prepared; also front and rear elevations.

3. The barrack with out-houses and canteen are the only additional buildings that have been asked for, or that are likely to be required; and these would not have been wanted but that it has been decided to increase the force at Malapuram from 100 to 150 men.

4. I do not consider that the buildings now proposed can be considered supplemental to those already built; because those now existing would have been sufficient and complete if the military authorities had not decided to increase the force at that station.

ENCLOSURE.

From Colonel J. BEATTY, R.E., Superintending Engineer, IV Circle, to the Deputy Assistant Quartermaster-General, Southern District, Wellington, dated 8th February 1887, No. 32-M.

With reference to your telegram marked "urgent," dated 3rd instant, I have now the honor to submit an estimate for a new canteen on the standard plan to be erected at Malapuram amounting to Rs. 10,620.

2. I have, however, consulted with the Officer Commanding Malapuram and find that there will (1) be difficulty in finding a suitable site for the new building on the standard plan; (2) that there is not sufficient space at the site of the old canteen if that building is demolished; and (3) that all that seems to be really needed is a slight extension of the existing building and that the walls and verandah pillars should be raised about three feet.

3. If, on further consideration, you agree with me, I shall instruct the Executive Engineer to prepare a revised plan and estimate. Meantime a sum of Rs. 5,000 might be entered in the budget for improvements to the present canteen.

Memorandum to Superintending Engineer, IV Circle, dated 16th March 1887, No. 989 C.

With reference to letter from the Superintending Engineer, IV Circle, No. 124 E.W., dated 11th March 1887, the undersigned has the honor to request that, as there is likely to be delay in deciding about a canteen for the Malapuram barracks, the papers forwarded with this office No. 846 C., dated 8th March 1887, may be resubmitted with the least possible delay, accompanied by the documents called for in paragraphs 3 and 4 of the memorandum. Plan and estimate for the canteen may be submitted subsequently when the points referred to in Superintending Engineer's letter No. 32 M., dated 8th February 1887, have been settled.

2. Under paragraph 952 of the Public Works Code, the estimate now under consideration must be regarded as a supplemental one.

51
1893

From Colonel J. BEATTY, R.E., Superintending Engineer, IV Circle, to the Chief Engineer, Public Works Department, dated Coimbatore, 25th March 1887, No. 148 E.W.

As requested in your memorandum, No. 846 C., of 8th instant, I have the honor to resubmit the estimate, amounting to Rs. 38,940, for an additional barrack at Malapuram with latrine and wash-house to accommodate 50 men, which is to be in all respects similar to the two new blocks already built there.

2. The plan now sent shows front and end elevations as well as a cross section of the building, and the estimate is accompanied by a specification.

3. With reference to paragraph 5 of your memorandum, I have to state that the military authorities first asked for a new barrack with out-houses, and a new canteen; but subsequently decided * that all that is needed in regard to the canteen is the improvement of the present building, for which a plan and estimate is now under preparation. It is believed that the above works will complete the accommodation required at Malapuram.

* *Vide* copy of letter, No. 930, of 21st March 1887, from the Deputy Assistant Quartermaster-General, Wellington.

4. The enclosures of your memorandum are herewith returned.

ORDER—dated 4th April 1887, No. 1003 W., Public Works.

The plan and estimates, amounting to Rs. 38,940, for constructing barracks at Malapuram for an additional force of 50 men, will be forwarded for the early sanction of the Government of India with reference to paragraph 1532 of the Madras Public Works Code.

2. The present estimate is supplemental to the existing sanction of Rs. 1,35,697 for barracks at Malapuram.

3. In the preliminary issue of the Military Works budget for 1887-88 a sum of Rs. 20,000 was provided for this work, but the Government of India in their resolution, No. 607 M.W., dated 18th March 1887, have tentatively reduced the grant to Rs. 11,000. The Superintending Engineer, IV Circle, has been separately requested to report whether the original grant of Rs. 20,000 can be spent during 1887-88, and if his reply be in the affirmative, the Government of India will be requested to reallot the amount so reduced.

(Here enter No. 1004 W., dated 4th April 1887.)

(True Extract.)

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

To the Superintending Engineer, IV Circle.
" Examiner, Public Works Accounts.
" Military Department.

Exd. A. Aubert.
Spare Copies

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of | 1887 | Madras.

PUBLIC WORKS.

Dated April, 4th.

Encl.

Recd.

G.O., 4th April 1887, No. 1003 W.

APRIL.

Barracks at Malapuram

Estimate of Rs. 38,940 for constructing—for an additional force of 50 men, ordered to be forwarded for the sanction of the Government of India.

P.W.C. No. 1050

52/1893

D.P.

The accompanying plans and estimate, Rs. 38,940, for constructing a barrack at Malapuram are submitted in a very unsatisfactory form. — A specification does not accompany the estimate. The report takes no note of the estimate being a supplemental one to that originally sanctioned in G.O. No. 1840 W. of the 18th July 86 (subsequently revised); and offers no explanation of the various proposed deviations from the standard design. It is not stated if the proposed additional barrack is to be carried out on the lines of those barracks now in course of erection at Malapuram

It would certainly be an improvement to build a longitudinal section of the reservoir with front and end elevations, to be added to the drawings submitted. — Subject to separately the accompanying plans and estimate must be returned to S.E.D. for resubmission in correct and satisfactory form.

2/13/87

1869. & the supplemental estimate will also have to be sent to the Div. office for [illegible] all [illegible]

2/13/87

A 135,697

P.W.C No 1650

Barracks at Mallapuram

The present Est of Rs 38,940 is supplemental to the Ests included in the sum of Rs 1,35,697 incorrectly entered in the Budget for 1887-88 as "Constructing a barrack for accommodating 50 additional men & a Canteen" the heading should be "Constructing Barracks for a detachment of British Infantry" I have omitted the Canteen because I do not know whether this has already been constructed or not. It is not included in the Supplemental Ests. Information on this point must be obtained from the S.E. The sum of 1,35,697 is made up as follows

Rs 1,31,610	For 2 blocks Hospital & Grounds
514	Kitchens
603	Cattle pens
2090	Shampoo-sheds
880	Battery.
Rs 1,35,697	total

Explanation of necessity for reappropriation.

The surrender of Rs 10,000 on the grant for constructing barracks for a detachment of British Infantry at Malapuram on the saving on the estimate for the work, and it is proposed to utilise the amount on the works entered in the statement which are considered urgent.

Dated 1/11/86.

The Secretary to the Govt of India (Military Dept)

Received 6/11/86

The Est of £31,610 was
communicated to the Govt
of India, who remitted
part the sum of 40,750
on the original Est now
very considerably
varied to necessitate
a reference to the Govt of India
that various supplemental
Ests have since been submitted,
but before doing this, the
SE Provincial Govt in the
place a Est for a Contcan,
provisionally for the sum of
150 men that being the
strength of the detachment
at Bhartpur including
the 50 men lately withdrawn
for that place —
The letter to the SE Provincial
asks for the following:
(1) Plans & Est & Specification
for the Contcan
(2) If funds & not sanctioned
of the block of 50 men
(now withdrawn with the
and Poona Est £ 35,940)
& specification.
(3) Information as to whether
the buildings now proposed
are on the same lines
as those under construction
at Bhartpur for the
same purpose — viz
accommodation of British troops

4) whether the buildings
now proposed and the
Contcan will complete
the accommodation required.

Where this information
has been obtained the
whole project will be on
shape and the Govt of
India can be informed
that certain supplemental
Ests have been sanctioned.

If the Est now submitted
is to stand over, it will have
to be followed by another
Est for the Contcan & it is
better that the whole
Enlgd Provincial Settlement
are taken

Lucas

7.3.07

Govt of India informed. Cons 1/3/07

20/1892

Explanation of necessity for reappropriation.

The surrender of Rs. 10,000 from the grant for constructing barracks for a detachment of British Infantry at Malapuram is the saving on the estimate for the work, and it is proposed to utilise the amount on the works entered in the statement which are considered urgent.

Cir 7.11.92

Secy 11/11/92.

To,

The Secretary to the Govt of India (Military dept) in duplicate

forwarded 6/11/92

Govt. of India Form No. 121—Vide G.O., No. 26, of 5th January 1876.

Application to the Government of Indi for a Reappropriation of Budget Grant.

26/1893

Proposed New Grant.								Proposed Reduction.							
Head of Service.	Item No. of Budget.	Works.	Amount of Estimate.	Outlay to end of previous year.	Original Grant for current year.	Existing Grant for current year.	Proposed Increase.	Grant now proposed	Head of Service.	Item No. of Budget.	Works.	Amount of Estimate.	Outlay to end of previous year.	Original Grant for current year.	Existing Grant for current year.	Proposed Reduction.	Amount at which Grant for Work will stand after reduction.
			Rs.	Rs.	Rs.	Rs.	Rs.	Rs.				Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
		Imperial Military Original Works.									Imperial Military Original Works						
	"	Putting the Cannanore Fort into a state of defence	2,958	3,924	"	"	924	924		6/1893	Constructing barracks for a detachment of British Infantry at Malapuram to accommodate 100 men	1,35,677	1,14,891	20,115	20,115	10,000	10,115
	"	Bakery at Wellington	31,450	24,074	6,100	6,100	1,276	7,376							Total	10,000	
	"	Improvements to a portion of the Lawrence Asylum Buildings at Ootacamund	2,760	"	"	"	2,000	2,000									
	"	Minor Works	"	"	27,000	23,966	4,600	28,566									
		Repairs															
		Coimbatore Division	"	"	4,082	4,000	1,200	5,200									
						Total	10,000										

* Including Rs 727 3 applied for in G.O. No 2949 W/1 9-11-80

57-
1893

Enclosure No: 6 of
a letter No: 148 of
25th March/87 from
the Supg. Engineer
4th circle.

Abstract Estimate
of Rs. 38,940 for con-
-structing a Block
of Barracks, Work
House and Latrine
at Mallipuram.

58/32/87

Dy. Asst. Qr. Mr. General's office
No 930 Head Quarters Southern District
Wellington 21st March 1887.

From,

Lieut. J. Lg. R.D. MacNeill l.c.B.
Deputy Assistant Quarter Master General
Southern District

To,

The Superintending Engineer
IV Circle
Coimbatore

Sir,

With reference to your letter No. 32/M dated 8th February 1887, I have the honor to forward herewith a copy of letter No 1303 A dated 19th March 1887, from the Quarter Master General, from which it will be seen that the extension and alteration proposed for the present Canteen at Mallipuram suggested in your letter under reference have

Plan & estimate for Rs 10620 for new Canteen are herewith returned.

have been approved by the Commander-
-in-chief and to request that you will
be good enough to furnish me with
an estimate for the proposed alteration
&c for the provision of funds.

I have &c
(Signed) D. Mackeill Capt Col.
Dy asst: Qr Mr Genl S.D.

(True copy)

L. Beatty - Colonel RE
Stg: Engineer Wards

Enclosure No. 11 of
a letter No. 148 of 25th
March 87 from the
Supg: Engineer 4th
circle.

4:1
P.W.2324/87

Copy of letter from the
Dye Asst: Dr. Mr. Genl:
Southern Distt: stating
that the extension and
alteration proposed
to the present Canteen
at Malliapuram have
been approved by
the Commander-in-
Chief.

Quarter Master General's Office,

Ootacamund, 25 February 1887.

60/1893

Barracks and Buildings
Estimates.

No. 862/A

From

BRIGADIER-GENERAL E. FAUNCE,
~~The~~ QUARTER MASTER GENERAL,

To

THE SECRETARY TO GOVERNMENT,
MILITARY DEPARTMENT.

SIR,

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

Plans and Estimates amounting to Rs/ 38,940/- for a Barrack for 50 men (without-houses) at Malliapuram.

I have the honor to be,
Sir,
Your obedient servant
E. Faunce
Brigadier Genl.
Quarter Master General.

10 MAR. 87

3
h:t
PW 1602
2504/8

61
1893

62
1893

Enclosure No: 10 of
a letter No: 148 of
25th March 187 from
the Supt Engineer
4th circle.

Letter from the Dr:
Gn: General No: 862/A
of 25th Feby: 187 for
warding for Execution and transfer
to the P. W. Deptt:
for disposal Estimate
Viz: that have been
approved of by the
Commander in chief
For constructing a
Barrack of 50 Men at Dalhousie

P.W.D. No. 1650

Military (1887) Department.

No. ~~1~~ 3250 4/87
~~A~~ 1220

From

THE OFFG. QUARTER MASTER GENERAL,

To THE SECRETARY TO GOVERNMENT,
MILITARY DEPARTMENT.

SUPDG. ENGINEER'S OFFICE
No. 2414
10 MAR. 87.
FOURTH CIRCLE

Encln. 4

No. 862 A

Dated 25th February.
Received 28th 1.3.87

P. W. Dept.
To be returned with reply.

ENCLOSURES.

~~14~~ 8
~~A~~ 10 (+3 plans)

Forwards for sanction Estimate & Plans &c. amtg. to Rs. 38,940/- for a Barrack for 50 men (with out-houses) at Malliapuram.

No. 1170. Approved and transferred to the Public Works Department for disposal.

(By order)

A. Kennedy Herbert Lieut Col
Secretary to Government.

Fort Saint George
28th February 1887.

P.W.D.
63/1893

Memorandum.

Letter from the Quarter Mr Genl No. 862 A dy 25. 1887.
Endorsement by the Military dept " 1170 dy " 28. "

× 6 Nos. 1650 - Encls 10 in all of which there are 3 plans.

Reg: an Estimate amounting to Rs. 38940/- for a Barrack for 50 men (with out-houses) at Malliapuram.

Forwarded to the Supdg Engineer IV Circle with reference to the following remarks.

2. In the Quartermaster General's letter printed with G.O. No. 2497 W dated 25th Sept. 1886, it was stated that a canteen was required at Malapuram, in addition to the extra barrack needed for the increased garrison, but the estimate now submitted makes no

provision for a canteen, and no explanation of the omission is given. If the Military Authorities have not requested a postponement of the work, provision for it should at once be made in the estimate, and a plan and specification should be submitted.

5 No specification has been submitted with the present estimate, and the report makes no reference to the fact that it is supplemental to the estimate of Rs 1,35,697 sanctioned in G.O. No 2305 W dated 13th Septr 1886. A specification should now be added to the documents submitted.

By 1893

4 Front and grid elevations of the additional barrack should be submitted, and it should be explained whether the buildings now proposed are to be constructed on the same lines as those now under completion for the accommodation of 100 men. It should be remembered that the plans and estimate sanctioned in G.O. No 1840 W of 18th July 1882 had to be submitted to the Govt of India because they deviated from standard designs, and full information should therefore be submitted with respect to the present plans and estimates in the event of their having to be

forwarded to the Govt of India.

5. It should further be reported whether the barrack now proposed, and the canteen will complete the accommodation required by the Military Authorities.

6. The reply to this reference should be submitted with the least possible delay for it is important that the work should be commenced as early as practicable in view to the provision for it in the Budget for 1887.88 being fully utilized.—

W.W.
5.3.87

Jolly
5/3/87

Cs

V.

No 33267 W of 17-12-86
No 4067 C - 18-11-86
- 2933 W - 6-11-86
No 2497-8 W - 25-9-86
+ Encl-Files

No 846 C

Dept
8/3/87

5E IV Cirle
with 9 original papers.

No 124
E.W.

Supg: Engineer's office IV Circle
Coimbatore, 11th March 1887.

From,

Colonel J. Beatty R.E
Superintending Engineer IV Circle.

To,

The Chief Engineer.
P.W. Departt:

Sir,

Enclosure 1

With reference to your memo No 846C of 8th instant I have the honor to forward for your information copy of my letter to the Dy asst: Qr Master General No 32 M of 8th ultimo on the subject of a canteen and to which I have had no reply. A reminder is now sent.

2 In the case of the Barrack with out houses, no specification was sent as they are to be in all respects similar to the Barracks already constructed. A Specification, however, will now be prepared, also front and rear elevations.

Yrs

3. The barrack with outhouses and Canteen are the only additional buildings that have been asked for, or that are likely to be required; and these would not have been wanted but that it has been decided to increase the force at Malliapuram from 100 to 150 men.

4. I do not consider that the buildings now proposed can be considered supplemental to those already built, because those now existing would have been sufficient and complete if the Military authorities had not decided to increase the force at that station.

I have the honor to be
Sir
Your most obt servant

J. Beatty Colonel RE
Supty: Engineer IV Circle

No 32/M 60/1893 Supy: Engineer's office IV Circle
8th February 1887.

From,
Colonel J. Beatty RE
Superintending Engineer
IV Circle

Prvt/

To,
The Dy: Asst: Qr Master General
Southern District
Wellington.

Sir,

With reference to your telegram marked "Urgent" dated 3d instant. I have now the honor to submit an estimate for a New Canteen on the standard Plan to be erected at Malliapuram amounting Rs 1620.

2. I have, however, consulted with the Officer Commanding Malliapuram; and find that there will be difficulty in finding a suitable site for the new building on the standard plan; (2) that there is not sufficient space at the

67
1893

the site of the old Canteen if that building is demolished; and (3) that all that seems to be really needed is a slight extension of the existing building and that the walls and verandah pillars should be raised about three feet.

3. If on further consideration, you agree with me I shall instruct the Executive Engineer to prepare a revised plan and estimate. Meantime a sum of Rs 5000 might be entered in the Budget for improvements to the present canteen.

I have &
(signed) J Beatty Col: RE
Supt: Engineer IV circle

(True copy)

J Beatty Colonel RE
Supty: Engineer IV circle

Nr. 1
Pk. 2058/67

C. No. 2056

846 C. of 8-3-87

3326 W } 17-12-86
3327 W }

4067 C. of 18-11-86

2497 W } of 25-9-86
2498 W }

2933 W. of 6-11-86

2740 W. of 16-11-85

2305 W. of 13-9-86.

3093 W. of 30-12-85

2845 W. of 27-11-85

1416 W. of 17-6-85.

1275 W. of 2-6-85.

1596 W. of 25-6-84

580 W. of 3-3-84

1841 W. of 18-7-82

1350 W. of 30-5-82

1349 W. of 30-5-82

P.W.C.F. 2056

Memo.

With reference to letter from the S. E. IV circle No. 124 E.W. dated 11th March 1887, the undersigned has the honor to request that as there is likely to be delay in deciding about a canteen for the Malapuram barracks, the papers forwarded with this office No. 846 C. dated 8th March 1887 may be resubmitted with the least possible delay, accompanied by the documents called for in paras 3 & 4 of the memo. Plan & estimate for the canteen may be submitted subsequently when the points referred to in S. E's letter No. 32 M. dy 8th Feby 1887 have been settled.

2. Under para 752 of the P. W. Code, the estimate now under consideration must be regarded as a supplemental one.

From

Colonel J. Beatty. R.E.
Supg: Engineer
4th Circle

Dated 11th } March 1887
Received 14 }

No. 124/E W

Enclosure 1.

Additional buildings at Mallapuram.

Reports that the preparation of an estimate for a canteen is delayed by want of information from the Military authorities.

Superintending Engineer's Office 4th Circle.
Coimbatore 25th March 1887.

No: 148/EW

From,

COLONEL J. BEATTY R. E.,
SUPERINTENDING ENGINEER,
FOURTH CIRCLE.

To,

The Chief Engineer
P.W. Department

Sir,

Enclosures 11
1 Plan (original)
3 Plans
1 Estimate with abstt.
1 Duplicate Abstt:
1 Report
1 specification
1 Letter from Dr: Genl: No: 882/A of 25-2-87
1 Endorsement by Military Dept No: 1170 of 25-2-87
1 Copy of letter from Dy. apptt: Dr: Genl: Dietc: No: 930 of 21-3-87

As requested in your Memo No. 846 C of 8th instant I have the honor to resubmit the Estimate amounting to Rs 38,940 for an additional Barrack at Malapuram with latrine and washhouse to accommodate 50 men, which is to be in all respects similar to the two new blocks already built there.

2. The plan now sent shows front and end elevations as well as a cross section of the building, and the estimate is accompanied by a specification.

With

11/1893

3. With reference to para 5 of your Memo, I have to state that the Military authorities first asked for a new Barrack with out houses, and a new Canteen; but subsequently decided* that all that is needed in regard to the Canteen is the improvement of the present building, for which a plan and estimate is now under preparation. It is believed that the above works will complete the accommodation required at Malapuram.

4. The enclosures of your Memo are herewith returned.

I have the honor to be
Sir
Your Most Obt Servt

E. Beatty Colonel RE
Superintending Engineer
SW Circle

*vide copy of letter No 930 of 21-3-87 from the Dy: Asst: to the Genl Wellington.

P.W.C. № 2504.

Vº 989. Cay 16-3-87
- 846. Cay 8-3-87
- 4067. Cay 18-11-86
- 2933. Way 6-11-86
- 2740 Way 16-11-85
- 2497-98 W ay 25-9-86
- 7124 ay 15-11-86
- 3326-27 Way 17-12-86.
- 3093 Way 30-12-85
- 1275 Way 2-6-85
- 1596 Way 25-6-84
- 580 Way 3-3-84
- 1841. Way 18-7-82
- 1349. Way 30-5-82
- 1350 Way 30-5-82

From

COLONEL J. BEATTY R. E.,
Superintending Engineer,
Fourth Circle.

Dated 25th March 1887.
Recd

No. 2056

Enclo: 11 14
(+ 4 tracings)

Additional Barrack at Mallapuram to accommodate 50 men—

Resubmitting the Estimate of Rs. 38,940 for an —.

Cir: 31/3/87

TP 1893

Public Works Department.

Current No. 3504
Letter No. 147 E&C
Dated the 26th March 87
From the S.E. Vizagapatam

10703 W

Note of Remarks.

1. The accompanying plans and estimate provide for erecting an additional barrack with outhouses for the accommodation of 50 men at Malapuram — The estimate amounts to Rs. 38,940 and is supplemental to the estimates for barracks at that station, Rs. 1,35,697, already sanctioned.

2. The plans and estimate have been prepared in accordance with the instructions conveyed in E.W.'s Memo. No. 846 C of the 8th inst. and furnish all necessary information.

3. The proposed barrack is to be constructed on exactly the same lines as the two other barracks now built at Malapuram — The drawings to be returned

in mortar. The flooring is to consist of concrete 6 inches thick with an encaustic coating of asphalte ½ inch thick. The roofing of the main block is to consist of Mission tiles on a planked ceiling supported on common rafters resting on purlins and trusses. For the verandahs the tiles and ceiling are supported on common rafters of suitable scantling. The trusses together with the other most important timbers are to be of teakwood. The common rafters and battenplates are to be of jungle wood.

4. A washhouse and latrine are provided and they are to be constructed on similar lines to the barracks. The masonry is to be of laterite stone in mortar. The flooring is to consist of concrete with an asphalte encaustic coating. The roofing of the outhouses (except the bathroom of the washhouse and the cesspool common to both rooms of the latrine which are to be terraced) is to be of Mission tiles with planked ceiling over.

common rafters, supported on purlins and trusses. The covered passages connecting the two outhouses with the barracks are to be floored with asphalte over concrete, and are to be roofed in with Mission tiles and planked ceiling & rafters.

5. The plans and estimate have been prepared with great care. The scantlings of all the timbers (many of them are not in exact accordance with those laid down in the 'standard specifications') may, subject to approval, be accepted as perfectly safe. The necessary fittings have been provided. 6. 'Contingencies' are set at 5 per cent and 'petty supervision' at 3 per cent. Rs. 500 are allowed for 'levelling the site', and Rs. 605 for 'drains connecting the buildings'. The rates are fair.

7. The plans and estimate are countersigned by the Quarter Master General, and are

approved in the Military Department.

To Dw

In orders -
If the plans &
estimate be approved,
they will be sent on
to the Govt of India
for sanction with
reference to Code
para 1532.

Cr
30.3.87

approved
Mcrs
30.3.87.

13/4
29/3/87

No. 1003 W.

74/1893

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 4th April 1887

READ the following

From the Quarter master Genl. M. E. No 862 A d/25-2-87.

Endorsement Military Dept M. E. No 1170 d/28-2-87

Memo to Supg Engr IV Circle M. E. No. 8460 d/8-3-87

From the Supg Engineer IV Circle " " 1246 E d/11-3-87

Memo to Supg. Engineer IV Circle " " 989 C d/16-3-87

From the Supg Engineer IV Circle - 148 E d/25-3-87

12

The plan and estimates,

amounting to Rs 38 940, for

constructing 4 barracks

at Mallapuram for an

additional force of 50

men, will be forwarded

for the early sanction

of the Government of

India with reference to
para 1532 of the Madras
P. W. Code.

2. The present estimate
is supplemental to the
existing sanction of
Rs 135,677 for barracks
at Mallapuram

3. In the preliminary
issue of the Military Works
Budget for 1887-88 a
sum of Rs 20,000 was
provided for this work
but the Government
of India in their —
Resolution No. 607 M.W.
dated 18th March 1887,

75
1893

have tentatively reduced
the grant to Rs 11,000. The
Superintending Engineer
IV Circle has been —
separately requested
to report whether the
original grant of —
Rs 20,000 can be spent
during 887-88, and if
his reply be in the —
affirmative, the Govern-
= ment of India will
be requested to restore
the amount so reduced

Supdg Engineer IV Circle
Examiner Pr. Accounts
Military Department

A. E. No 1004 dated April 1887

Forwarded for
the early sanction of
the

the Government of India
in the Military Dept.

~~Hutton. P.P. Hutchins~~

Mary
30. 3. 87

Jou
31/3/87

Received
15/4/87

J - 4-4-87

Cir. 31/3/87 Rd. 4/4/87

76
1893

2504
2506 +c

Govt. of [1887] Madras.

PUBLIC WORKS.

Printed

Dated

Read. Encl.

G.O., 4th April 1887, Nos 1003 W
1004 W

Barracks at Mallapuram

Estimate of Rs 38,940
for construction
for an additional
force of 50 men,
ordered to be forwarded
for the sanction of
the Govt of India.

Barracks at
Mallapuram

Estimate of Rs 38,940
for construction
for an additional force
of 50 men forwarded
for sanction of the Govt of India

No. 4/4 Cav 4/24

M. O 18.

HEADING. Accounts.

No. 1325 M. W. 77/1893

GOVERNMENT OF INDIA,

MILITARY DEPARTMENT.

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

Simla, the 1st *July* 1887.

To

THE SECRETARY TO THE GOVERNMENT OF MADRAS,
PUBLIC WORKS DEPARTMENT.

SIR,

In reply to your No. 1571 W dated 11th June 1887, I am directed to convey the sanction of the Government of India to the re allotment of the Rupees 9,000/- held in reserve by the Government of Madras to the construction of the barracks with out-houses at Malapuram.

Vide Military Department No. 1672 M. W. dated 1st November 1886, paragraph 3, clause 1.

I am,
Sir,
Your most obedient servant,

J. S. Woodhouse Major,
for Offg. Secretary to the Govt. of India.

Copy to:-
The Accountant General, Public Works Departt.

PWC № 5297

78
1893

(3)

1160 W 28-4-87 № 7124-15-11-86 (orig)
1003-4W 4-4-87 orig } G.O. 1026.
№ 4067C 18-11-86 } 3326-27W 4/
G.O. No 2497-98W 25-9-86 17-12-86
" 2740W 16-11-85 3093W 30-12-85
" 980W 3-3-84 1576W 15-6-84
№ 1893 W of 14-7-87

13th R
Mily work

communicated to the officers concerned with reference to G. O. № 1570 W dated 11th June 1887.

2. The total grant for the work will now stand at the original figure of Rs 20,000, and the Superintending Engineer will see that the allotment is utilized.

№ 1893 W of 14th July 87

9.7.87

9.7.87

14.7.87 July

14.7.87

G. 7-7-87

5 70

Govt. of 1887 Madras

PUBLIC WORKS.

15/7/87

Rect 16/7-9a

Dated

Read Exd.

G.O. 14th July 1893 w

Burrow Road
Mailapuram

The question of the first
& Justice to the recall:
: ment of the sum of
Rs 9,000 withheld from
the grant originally proposed
for the construction
of — for an additional
area of 50 acres, towards
the Officers Concerned.

70/