

(1) Number of pages 40
(2) Date of repair 5-2-88
(3) Initials of the Referencer luy

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

PUBLIC WORKS DEPARTMENT

G.O. No. <u>1650.1A</u>	Press. <u> </u>
B.P. No. <u> </u>	Mis. <u> </u>
Dated <u>18.6.1887</u>	<u>198</u> .

Not to be folded or roughly handled

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

READ—the following letter from Brigadier-General E. FAUNCE, Quartermaster-General, to the Secretary to Government, Military Department, dated Ootacamund, 23rd May 1887, No. 1923 A:—

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

Abstract and detailed estimates, amounting to Rs. 42,420, for constructing six double quarters for the staff sergeants attached to the Ordnance Department at Bellary, with report, specification and plan.

2. The work is entered as item 8, class B works, in the budget of 1887-88.

No. 3080, Military.

Approved, and transferred to the Public Works Department for disposal.

(By Order.)

OOTACAMUND,
26th May 1887.

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

ORDER—dated 18th June 1887, No. 1650 W., Public Works.

The estimate, amounting to Rs. 42,420, for constructing six double quarters for the staff sergeants attached to the Ordnance Department at Bellary, is sanctioned.

2. As a sum of Rs. 10,000 has been allotted for the work provisionally in the current year's budget, the attention of the Quartermaster-General will be drawn, in the Military Department, to paragraph 4 of G.O., No. 1160 W., dated 28th April 1887, in view to early steps being taken for the submission of the report therein called for.

3. The sanction accorded in paragraph 1 of these proceedings have been registered as Imperial, Ordinary, No. 13 W. of 1887-88, and classified as Military, Original Works.

(True Extract.)

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

To the Superintending Engineer, III Circle, with five enclosures.

„ Examiner, Public Works Accounts, with the duplicate abstract estimate.

„ Military Department.

Exd. E. Fernandez.
Spare Copies

BUILDINGS AND ROADS.
MILITARY WORKS.

Gobt. of (1887) Madras.

PUBLIC WORKS.

Dated June, 18th.

Recd.

Encl.

G.O., 18th June 1887, No. 1650 W.

JUNE.

Quarters

Estimate of Rs. 42,420, for constructing six double — for the staff sergeants attached to the Ordnance Department at Bellary, sanctioned.

*Proceedings of the Madras Government, Public Works Department,
1st July 1865.*

No. 3. Read the following Circular from Lieutenant-Colonel C. H. DICKENS, R. A., Secretary to the Government of India, Public Works Department, (Military Works,) to the Secretary to the Government of Madras, Public Works Department, dated Simla, 23rd May 1865, No. 46 :—

SIR,

I am directed by the Governor General in Council to forward for guidance the accompanying Standard Plans of Quarters for the Staff Sergeants of Regiments of European Infantry and Cavalry, and of Batteries of European Artillery.

(Signed) A. B. SAMPSON,
Asst. Secy., for Secy. to the Govt. of India.

No. 4.

ORDER THEREON, 1st July 1865, No. 1,836.

MILITARY WORKS, No. 1.

Communicated to the Military Department, and to the Superintending Engineers for information and guidance.

(True Extract.)

(Signed) CHARLES A. ORR, Colonel, R. E.,

Secretary to Government.

To the Military Department, }
,, Superintending Engineers, } With two plans.

Exd. S. T. Augustin.

FINAL ISSUE.

IMPERIAL.
MILITARY WORKS.

3
MADRAS.

PUBLIC WORKS DEPARTMENT.

IMPERIAL BUDGET-ESTIMATE
OF
MILITARY WORKS
OF THE
GOVERNMENT OF MADRAS
FOR THE YEAR
1887-88.

CHEPÂK,
28th April 1887.

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

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IMPERIAL.
MILITARY WORKS.

MADRAS.

REVENUE.

ABSTRACT OF THE BUDGET-ESTIMATE OF REVENUE OF THE PUBLIC WORKS DEPARTMENT FROM
MILITARY WORKS IN MADRAS FROM 1st APRIL 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
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
	NOT COMMENCED.	1,01,540			
REPAIRS {	ORDINARY	3,00,000	3,17,700	3,10,465	1,73,187
	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	4,45,081

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.								REVISED ESTIMATE, 1886-87.	BUDGET-ESTIMATE, 1886-87.	ACTUALS, 1885-86.	
	ORIGINAL WORKS.			REPAIRS.	ESTABLISHMENT.	TOOLS AND PLANT.	SUSPENSE ACCOUNT. BARRACK DEPARTMENT.					TOTAL.
	In progress.	Not commenced.	Total.									
	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.						REVISED ESTIMATE, 1886-87.	BUDGET-ESTIMATE, 1886-87.	ACTUALS, 1885-86.
	ORIGINAL WORKS.			TOOLS AND PLANT.	SUSPENSE ACCOUNT.	TOTAL.			
	In progress.	Not commenced.	Total.						
							Rs.		Rs.
	...	...	...	...	...	...	2,000	...	236
Total ...	...	...	...	...	...	...	2,000	...	236

PART
DETAIL OF THE BUDGET-ESTIMATE FOR
CLASS A

HEAD OF CLASSIFICATION.	EXECUTIVE DIVISION.	LOCALITY.	ITEM No.	PROJECTS AND WORKS.	AMOUNT OF ESTIMATE.
				IMPERIAL ORDINARY. MILITARY. <i>Original Works.</i>	Rs.
(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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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.		
1,12,981	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. J, 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		

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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.
				IMPERIAL ORDINARY.	Rs.
				MILITARY.	
				Original Works.	
(1) Accommodation for troops—	Bellary ...	Bellary ...	1	Collar maker and wheeler's shop, Royal Artillery.	5,663
Buildings for European troops in the plains. Permanent.	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.	11,890
	Chingleput.	St. Thomas' Mount.	5	Removing and reconstructing 11 cook houses attached to P/lat. and Q/lat. Royal Artillery.	2,970
Accommodation for Native troops.	Presidency.	Bangalore	6	Public buildings for a regiment of Native cavalry.	30,090
	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.	...
(8) Fortifications ...	North Arcot.	Vellore ...	11	Draw bridge and gate for the Fort	6,450
				Minor Works and Reserve	...
				Total ...	...
				Grand Total ...	...

MADRAS.

I—cont.

ORIGINAL WORKS FOR THE YEAR 1887-88.
WORKS.

OUTLAY.		GRANT, 1887-88.			ITEM No.	REMARKS AND REFERENCES.
Actual to end of 1886-86.	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. 1111 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	36,000	10	Do. do.
...	...	...	3,583	3,583	11	G.O., No. 523 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		

IMPERIAL.
MILITARY WORKS.

MADRAS.

APPENDIX
LIST OF WORKS (OR CLASS C WORKS) OMITTED FROM THE BUDGET-ESTIMATE OF 1887-88, SET OFF CLASS F

HEAD OF CLASSIFICATION.	EXECUTIVE DIVISION.	LOCALITY.	ITEM No.	PROJECTS AND WORKS.	AMOUNT OF ESTIMATE.
				IMPERIAL ORDINARY.	Rs.
				MILITARY.	
				Original Works.	
(1) Accommodation for troops—	Bellary	Bellary	1	Armourer's shop, 2nd Light Cavalry.	2,695
Buildings for European troops in the plains. Permanent.	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.	...
	Do.	Cannanore	11	Plunge-bath for European Infantry barracks.	4,640
	Do.	Do.	12	Improving latrines for European Infantry barracks.	2,780
	Do.	Do.	13	Improving the roof of regimental guard room, European Infantry barracks.	...
	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 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.
...	...	...	3,970	...	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.
...	...	...	10,000	...	7	Estimate is awaited. Item No. 7, class C works, budget of 1886-87.
...	...	...	4,180	...	8	Estimate is awaited. Item No. 9, class C works, budget of 1886-87.
...	...	...	10,000	...	9	Estimate is awaited.
...	...	...	...	...	10	Estimate is awaited. Amount not shown by the Military Department.
...	...	...	4,633	...	11	G.O., No. 418, dated 16th February 1876. Item No. 11, class C works, budget of 1886-87.
...	...	...	2,780	...	12	G.O., No. 1056 W., dated 4th April 1879. Item No. 12, class C works, budget of 1886-87.
...	...	...	5,060	...	13	Estimate is awaited.
...	...	...	10,000	...	14	Estimate is awaited. Item No. 13, class C works, budget of 1886-87.
...	...	...	15,770	...	15	Estimate is awaited.
...	...	...	7,830	...	16	Do. do.
...	...	...	10,240	...	17	G.O., No. 2384 W., dated 20th September 1886. Item No. 19, class C works, budget of 1886-87.

IMPERIAL
MILITARY WORKS.

MADRAS.

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.
				IMPERIAL ORDINARY— <i>cont.</i>	Rs.
				MILITARY— <i>cont.</i>	
				<i>Original Works—cont.</i>	
(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. ...	Pallavaram ...	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	...

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 1886-86.	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.
				IMPERIAL ORDINARY— <i>cont.</i>	Rs.
				MILITARY— <i>cont.</i>	
				<i>Original Works—cont.</i>	
(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 Perambur.	...
	Do.	Do.	40	Flushing drains for Native Infantry lines at Rayapuram.	4,800
	Chingleput.	Pallavaram	41	Magazine for a Madras Infantry regiment.	4,000
	Do.	Do.	42	Armourer's shop for a Madras Infantry regiment.	2,880
(2) Ordnance Works.	Trichinopoly.	Trichinopoly.	43	Workshops for a Pioneer regiment.	...
	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	5,800
	Presidency.	Bangalore	47	Quarters for a Conductor, Transport Department	...
	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 Depot.	...

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.		
...	...	...	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. 40, 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.
...	...	...	48,000	...	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.

IMPERIAL.
MILITARY WORKS.

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

APPENDIX

HEAD OF CLASSIFICATION.	EXECUTIVE DIVISION.	LOCALITY.	ITEM No.	PROJECTS AND WORKS.	AMOUNT OF ESTIMATE.
				IMPERIAL ORDINARY— <i>concl'd.</i>	Rs.
				MILITARY— <i>concl'd.</i>	
				<i>Original Works—concl'd.</i>	
(3) Commissariat Buildings.	Presidency.	Teynampet ...	52	Construction of a wheat godown ...	...
	Chingleput.	Guindy ...	53	Quarters for station butchers attached to slaughter-house.	...
(4) Staff and Miscellaneous.	Nilgiri ...	Ootacamund.	54	Water-supply, Lawrence Asylum.	...
(8) Fortifications ...	West Coast.	Malapuram ...	55	Constructing fortifications ...	...
	Presidency.	Fort St. George	56	Facing the <i>enceinte</i> of Fort St. George with Portland cement.	...
	Do. ...	Do. ...	57	Demolition of Wallajah ravelin and two lunettes.	...
	Do. ...	Do. ...	58	Constructing a draw-bridge to North Gate.	...
Total ...					

MADRAS.

B—*concl'd.*

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

OUTLAY.		AMOUNT APPLIED FOR 1887-88.			ITEM No.	REMARKS AND REFERENCES.
Actual to end of 1886-86.	Probable during 1886-87.	Works in progress.	Works not commenced.	Total.		
Rs.	Rs.	Rs.	Rs.	Rs.		
...	...	...	5,950	...	52	Estimate is awaited. Item No. 46, class C works, budget of 1886-87.
...	...	...	4,730	...	53	Estimate is awaited. Item No. 52, class C works, budget of 1886-87.
...	...	...	7,000	...	54	Estimate is awaited. Item No. 55, class C works, budget of 1886-87.
...	...	...	8,000	...	55	Estimate is awaited.
...	...	...	5,000	...	56	Do. do.
...	...	...	7,426	...	57	Estimate is awaited. Item No. 53, class C works, budget of 1886-87.
...	...	...	2,680	...	58	Estimate is awaited.

28TH APRIL 1887, No. 1161 W., PUBLIC WORKS.

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.
In Public Works Department	RS. 25,000	RS. 16,000	RS. 30,000	RS. 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 :—

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
				25

* To Simla	...	...	...	20	proceedings, be printed and 40 copies forwarded to the Government of India.
„ Calcutta	...	...	...	25	
				—	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,
				45	
				—	

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.

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 23rd 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

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
Repairs ... { Not commenced ...	91,700	3,10,500	3,10,465	1,73,187
	3,00,000			
Establishment ...	4,42,600	5,04,400	5,18,500	3,58,419
Tools and plant ...	1,03,000	1,17,500	1,20,700	83,263
	4,400	5,000	5,200	3,563
Deduct—Excess amount included for expenditure in England in revised estimate ...	5,50,000	6,26,900	6,44,400	4,45,245
		1,500		
Deduct—Expenditure in England ...	5,50,000	6,25,400	6,44,400	4,45,245
		* 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 advice 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.

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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.

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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

28TH APRIL 1887, No. 1161 W., PUBLIC WORKS.

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.)

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

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

ENDORSEMENT—dated 28th April 1887, No. 1161 W., Public Works.

Forwarded.

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

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of (1887) Madras.
PUBLIC WORKS.

Dated April, 28th.

Recd.

Encl.

G.O., 28th April 1887, No. 1161 W.

APRIL.

Budget Estimate

Imperial Military Works for 1887-88.—
Copy of orders circulating the final issue of
the —, forwarded to the Government of
India.

12/183

Public Works Department.

Current No. 4674

Letter No. 3088

Dated the 26th May/89

From the Secretary to Government
Military Dept

10.6.89
NOTE OF REMARKS.

The accompanying plan and estimate provides for constructing six double quarters (Class A) with cubicles building for the accommodation of married Staff Sergeants in the Ordnance Dept at Bellary.

Each block is designed to accommodate two families at a cost of Rs 7070. The six blocks will therefore cost Rs 42420.

The estimate would

Public Works

Plan of Staff Sergeants
Quarters for a Regiment
of European Infantry in
Caucasus.

Reimbursement of Rs 10000

of 1st July 1885.

Subd by Mr J. G. G. 66 of 23rd

May 1885.

Order Returned to T.

framed as a requisition
from the Dept. of War
on the General Land
District.

The design adopted
is that authorized
in G.O. No. 1836 of 1st
July 1865 with but
slight deviation
e.g. windows have
been substituted for
false doors, the height
of the main walls
have been raised
 $1\frac{1}{2}$ ft. or from 18 to $19\frac{1}{2}$
ft. and the outer
or verandah walls
from 18 to 14 ft
+ the two small
side porches have
been apparently
shrunk out of the
plan + enlarged.
The building appears
to be well founded.

122
The foundation of
the main building
are to be of burnt
stone in mortar and
carried down to 5 ft
for the main or inner
walls and 4 ft

for the outer walls
into a bed of gravel.
The basement and

superstructure are
to be constructed
with hammer dressed
stone laid in mortar.

The roofing of the
central portion
of the building is
to be timber &
tiled and the
verandahs are
to be terraced.

The flooring of
the main & subsidiary
buildings is to be
of stone slabs.

on a bed of concrete
3 inches in depth
The stables are to be
gravelled 3 inches
thick -

The timber to be
used in the main
as well as subsidiary
buildings is to be
van. teak and the
Roofing paper are
concrete -

The rates have
been checked and
found to be fair.

Contingencies have
been charged at
5 per cent.

The plan and
estimate have been
countersigned by
the Quarter Master
General and approved
in the Military Dept

The plan & estimate may
be sanctioned.

W. M. G.

10.6.87

B

65.0 W.

Barracks and Buildings
Estimates.

No. 1923. 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 plan, &c., below-mentioned which
have been approved by the Commander-in-Chief. The plan and estimates have
been countersigned.

Abstract and Detailed Estimates amounting to
42420 for constructing six double quarters for the
Staff Sergeants attached to the Ordnance De-
partment at Bellary with Report, Specifications
and plans.

The work is entered as item 8 Class B.
Works in the Budget of 1887/88.

I have the honor to be
Sir

Your obedt. Servant

A. Munk
Brig. Genl.,
Quarter Master Genl.

13 + 12
21 ... 10

16

G.O. 11618/28.4.87
n 1836 1-7.65

Military (1887) Department.

No. 3427
From The Quarter Master General,

To
The Secretary to Government,
Military Department.



No. 1923.H.

Dated 23rd May
Received

Ry 30.5.87

ENCLOSURES. 5

Forwards for sanction & transfer. Estimate plan for consty. 6 double qrs. for the Staff Serpts of the Order. Depot. at Bellary.

Attesty Herbert King Seal
Secretary to Government

15618
11.26.59

Reimbursed No. 1016.87 R-18.6.87

134 R
mily works

PUBLIC WORKS DEPARTMENT.

131650W

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the 18th June 1887.

Read the following

From the Quarter Master General. H. E. No. 1923 H of 23rd May 1887.
Employment by the Military Department. H. E. No. 3080 of 26 May 1887

The estimate amounting to

Rs. 42,420, for constructing six double quarters for the staff sergeants attached to the Ordnance Department at Bellary, is sanctioned.

2. As a sum of Rs. 10,000 ^{has been} ~~is~~ allotted for the work provisionally only in the current year's budget. The attention of the Quarter Master General will be drawn in the Military Department to para 4 of G. O. No. 1160 W dated 28th April 1887, in view to early steps being taken for the submission of the report therein called for.

3. The sanction accorded in para 1 of these Proceedings has been registered as Imperial Ordinary No. 13 W of 1887-88, and classified as Military Original Works.

+ No full stop
was used here

29

The Suptg. Engrs. III binds in the 5 enclos.
" Examiner of P. W. Acts with the duplicate abstract estimate
" Military Department
" The Secy to Govt
" The Military Dept for favour of country (initials)

M
16.6.87

14.6.87

11/16

14/11/87

g0

$\frac{I}{\sqrt{b}}$ $\frac{cm}{18/6/87}$
18/6

150
25.6.6
14.6.87
2.14.6.87. 2.18.6.87

6077

Govt. of India

PUBLIC WORKS

18-6-57

18 June 1957

quarters

Estimated of Rs. 42,420

for constructing six
Doubtless for the

Staff Sergeant

attached to this Ordnance

Department at Barrack

San Antonio

60/6

8/6

21/6