No. 793

3RD CIRCLE, SUPERINTENDING ENGINEER'S OFFICE,
Chepauk, 14th February 1880.

From

THE SUPERINTENDING ENGINEER,
3RD CIRCLE,

To

The Chief Engineer
Public Works Department.

SIR,

Enclosures 3
1 Plan.
1 Abstract Estimate.
1 Specification.
3

I have the honor to forward herewith for sanction of Government and an allot-ment of funds, an Estimate, amounting to Rs 12,500 with Plan and Specification for alterations and additions to ten Bath rooms in Parade Barracks, Bangalore.

2. The plan and estimate have been approved and countersigned by the Mili-tary Authorities.

I have the honor to be
Sir
Your most obedient servant
Major R.E.
Ag Supg Engineer 3rd Circle.

1880 P.W.D.
16FEB80
No.

From

The Superintending Engr.
3rd circle

Dated 14th } February
Received } 1880

Enclosures 3.

1 Plan, Sche & Specifn. sent
to S.E. V Circle - vide C. No
& 793.
2164. 14/4/83.

Ten Bath rooms in Parade Barracks Bangalore — Forwards plan & estimate for — and requests that they may be sanctioned & funds allotted.

18/2

with the Dist:
Schedule -

The Plan & Est: has been countersigned by the proper autho-rities -

The Est: has been Exd. & found Correct.

18.2.80

P. W. SECRETARIAT—1879-80.

KEEP-WITH.

Current No. 1081

Letter No. 793

Dated the 14. 2. 80

from the S. E. III Circle.

Note of Remarks.

The Est: for additions & alterations to Bath Rooms at Parade Barracks E. Infy: at Bangalore, amounting to Rs: 12500, are for ten Bath Rooms - As these are additions & alterations to wash houses, it is not strictly in keeping with the Standard Designs -

The rates agree with

No 607 d/ 24° Feby: 80

Memo

Letter from the S. E. III Circle No 793 d/ 14° Feb: 80

The S. E. is requested to ascertain and report at whose instance the plan & estimate for additions and alterations to bath rooms, Parade Barracks, Bangalore, forwarded with his letter above quoted, were prepared; and whether the work is at all urgent.

(By order)
(Sd) J. P.
Ag: S. Ch.

The S. E. III Circle

(Sd) A. T. P.

No. 1431

3RD CIRCLE, SUPERINTENDING ENGINEER'S OFFICE,
Chepauk, 23rd March 1880.

FROM
THE SUPERINTENDING ENGINEER,
3RD CIRCLE,

TO
The Chief Engineer
Public Works Department.

SIR,

With reference to your Memorandum No 607 dated 24th February 1880, I have the honor to inform you that the additions and alterations to the Bath rooms, Parade Barracks Bangalore, were proposed in the Statement of forecast of expenditure on Military Works, to complete accommodation for British Troops, recently prepared in the Military Department. The work cannot be said to be emergent, but the proposed improvements seem highly desirable as a shelf for basins and a couple of tubs in one common room is the only washing accommodation in the present bath rooms which afford no privacy to the men while bathing such as is obtained in bath rooms constructed on more recent designs in other Barracks.

I have the honor to be
Sir
Your most obedient servant
[illegible] Major R.E.
Ag Supg Engineer 3rd Circle.

Memo. No. 607. 24-2-80.
G.O. 3124 W. 6-12-79.
— " 31/32 W. 8-1-80
— " 333 W. 13-2-80

P.W.D.
24 MAR 80
No. 2083

1880

From

The Superintending Engineer
3rd Circle

No. 1431

Dated 23rd } March 1880
Received

Additions and alterations to the bath rooms, Parade Barracks Bangalore — Stating that the work of — cannot be said to be emergent, but that the proposed improvements seem highly desirable.

Dy. Secy 4.3. Ptd 5-5-80
The Secy 2 Apl—
R.C. 6.4.
C. 1-4-80.

115

P. W. D.

Recirculated to His Excellency the Commander-in-Chief with the remark that the reserve under Military is only Rs 41,000, out of which sum all incomplete works of 1879-80 will have to be provided first. If the Govt. of India will make more funds available later in the year, this work will be set in hand.

A. A. Lawley Col: R.E.
Secy: to Govt. P.W.D.

A.S.P.
5/4

1102 W P. W. D.

Pro: of the Madras Govt.
Under date the 7 May/80
Read the following:—

From

The Supg Engr. Third Circle } (H.C. No. 793 d/14th Feby 1880)
do (" " 1431. d/23: March 1880)

The estimate amounting to Rs 12,500 for additions and alterations to the Parade Barracks, European Infantry, at Bangalore, is sanctioned for execution when funds are available.

2. The sanction has been registered as Imperial No. 3 S— of ~~1879-80~~ 1880-81

Supptt of Works Presidency ✓
~~S.E. Third Circle~~
Ex: P. W. Accts. ✓

Plan & esti. returned Despd
to S.E. V on 14/pp/83 - 8-5-80
[illegible] vide Cir 3/6/[illegible]

vide 19.2

20.2

R. 7-5-80
C. 6.4.80.

R.C. 6.4.
C. 1-4-80.

Mis. P. 1102 W of 7 May 1880

Issue – the G. of I. is being addressed.
A.T.P.
5/5/80

1102 W

7-5-80
C.G.4.

PRELIMINARY ISSUE.

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.

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Abstract of the Budget-Estimate of Revenue 2
Ditto ditto of Expenditure ... ... 2 & 3

Details of the Budget-Estimate of Expenditure—

Part I.—Detail of Estimate for Original Works, Class A ... ... 4 & 5
Ditto ditto Class B ... ... 6 & 7

Appendix to above—

Appendix B.—List of Class C Works ... ... 8 to 15

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
	Not commenced.	...	91,650			
Repairs	Ordinary ...	...	3,00,000	3,10,465	3,10,465	1,73,187
	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

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.									
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.						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.
	...	...	...	...	...	...	3,504	...	236
Total ...	...	...	...	...	...	...	3,504	...	236

PART I.

DETAIL OF THE BUDGET-ESTIMATE FOR ORIGINAL WORKS FOR THE YEAR 1887-88.

CLASS A WORKS.

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.	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.	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	1,14,981	10,115	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.
										20,000		
Accommodation for Native troops.	Presidency.	Bangalore ...	2	Public buildings for a regiment of Native infantry.	21,636	...	10,000	11,636	...		2	G.O., No. 2952 W., dated 29th November 1884. Item No. 11, class B works, budget of 1886-87.
	Trichinopoly.	Trichinopoly.	3	Construction of stone drains required for new lines.	...	...	4,907	5,140	...		3	Estimate is awaited. Item No. 13, class B works, budget of 1886-87.
										16,776		
				Total ...	...	...	...	36,776	...	36,776		

PART I—*cont.*

DETAIL OF THE BUDGET-ESTIMATE FOR ORIGINAL WORKS FOR THE YEAR 1887-88.

CLASS B WORKS.

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.	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.	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	...	...	...	5,663		1	G.O., No. 914 W., dated 3rd April 1884. Item No. 3, class C works, budget of 1886-87.
	Nilgiri ...	Wellington ...	2	Quarters for three Apothecaries ...	...	...	...	...	16,000		2	Estimate is awaited.
	Presidency.	Fort St. George.	3	Converting a racquet court into a covered gymnasium.	11,890	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.
	Do. ...	Bangalore ...	4	Alterations and additions to wash-houses, parade barracks.	12,500	7,946	...	4,554	...	35,787	4	G.O., No. 1102 W., dated 7th May 1880. Item No. 23, class C works, budget of 1886-87.
Accommodation for Native troops.	Presidency.	Bangalore ...	5	Public buildings for a regiment of Native cavalry.	30,990	...	...	...	10,000		5	G.O., No. 1302 W., dated 25th May 1886. Item No. 36, class C works, budget of 1886-87.
	Do. ...	Do. ...	6	Store rooms and workshops for the Pioneer regiment.	...	...	...	...	3,000	13,000	6	Estimate is awaited. Item No. 35, class C works, budget of 1886-87.
(2) *Ordnance Works* ...	Bellary ...	Bellary ...	7	Twelve Staff Sergeants' quarters, Ordnance Department.	...	...	...	...	10,000		7	Estimate is awaited.
	Presidency.	Fort St. George.	8	Adopting the existing magazine for storage of powder for Fort armament.	...	...	...	...	17,000		8	Do. do.
	Do. ...	Madras ...	9	Coal store, Ordnance Department.	...	...	...	...	9,000	36,000	9	Do. do.
				Minor works	...	...	...	...	20,987	20,987		
				Total ...	...	...	...	14,124	91,650	1,05,774		
				Grand Total ...	...	...	...	...	...	1,42,550		

APPENDIX B.

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.

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.								
				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	...	...	...	2,695		1	G.O., No. 2266 W., dated 14th September 1881. Item No. 6, class C works, budget of 1886-87.
	Do. ...	Do. ...	2	A new gun-shed, Royal Artillery.	...	...	...	...	3,970		2	Estimate is awaited.
	Do. ...	Do. ...	3	Swimming-bath, British infantry.	7,644	...	...	...	7,644		3	G.O., No. 2434 W., dated 19th October 1885. Item No. 4, class C works, budget of 1886-87.
	Do. ...	Do. ...	4	Infectious disease ward and cook-house, Station hospital.	6,140	...	...	...	6,140		4	G.O., No. 320 W., dated 7th February 1884. Item No. 5, class C works, budget of 1886-87.
	Do. ...	Do. ...	5	Alterations and additions to Military prison and adjoining buildings.	...	...	...	...	11,260		5	Estimate is awaited. Item No. 2, class C works, budget of 1886-87.
	Do. ...	Do. ...	6	Armourer's shop for the Arsenal ...	...	...	...	...	4,650		6	Estimate is awaited.
	Nilgiri ...	Wellington ...	7	Quarters for a Barrack Sergeant ...	7,348	...	...	...	7,348		7	G.O., No. 1941 W., dated 21st August 1885. Item No. 10, class C works, budget of 1886-87.
	Do. ...	Do. ...	8	Gymnasium	...	...	...	...	10,000		8	Estimate is awaited. Item No. 7, class C works, budget of 1886-87.
	Do. ...	Do. ...	9	Constructing a new Lock hospital.	...	...	...	...	4,180		9	Estimate is awaited. Item No. 9, class C works, budget of 1886-87.
	Do. ...	Do. ...	10	Accommodation for a mountain battery.	...	...	...	...	10,000		10	Estimate is awaited.
	West Coast.	Calicut ...	11	Providing barrack accommodation for 100 men.	...	...	...	...	...		11	Estimate is awaited. Amount not shown by the Military Department.
	Do. ...	Cannanore ...	12	Plunge-bath for European Infantry barracks.	4,640	...	...	...	4,640		12	G.O., No. 418, dated 16th February 1876. Item No. 11, class C works, budget of 1886-87.
	Do. ...	Do. ..	13	Improving latrines for European Infantry barracks.	2,780	...	...	...	2,780		13	G.O., No. 1056 W., dated 4th April 1879. Item No. 12, class C works, budget of 1886-87.
	Do. ...	Do. ...	14	Improving the roof of regimental guard room, European Infantry barracks.	...	...	...	...	5,060		14	Estimate is awaited.
	Presidency.	Fort St. George.	15	Remodelling drainage	...	...	...	...	10,000		15	Estimate is awaited. Item No. 13, class C works, budget of 1886-87.
	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.	...	...	...	...	15,770		16	Estimate is awaited.
	Do. ...	Bangalore ...	17	Constructing V drains around the single men's blocks.	...	...	...	...	7,830		17	Do. do.
	Do. ...	Do. ...	18	Quarters for schoolmaster and schoolmistress.	10,240	...	...	...	10,240		18	G.O., No. 2384 W., dated 20th September 1886. Item No. 19, class C works, budget of 1886-87.
				Carried over ...	...	...	...	...	...	...		

APPENDIX B—*cont.*

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—*cont.*

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.		
				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 Quarter-master's stores into orderly room and stores.	...	...	...	...	6,500		19	Estimate is awaited.
	Do. ...	Do. ...	20	Quarters for Senior Apothecary, North Station hospital.	5,300	...	...	...	5,300		20	G.O., No. 3385 W., dated 27th November 1883. Item No. 20, class C works, budget of 1886-87.
	Do. ...	Do. ...	21	Quarters for the Assistant Apothecary, North Station hospital.	4,773	...	...	...	4,773		21	G.O., No. 938 W., dated 5th April 1884. Item No. 21, class C works, budget of 1886-87.
	Chingleput.	St. Thomas' Mount.	22	A wheeler and collar maker's shop, West barracks.	5,660	...	...	...	5,660		22	G.O., No. 2717 W., dated 3rd November 1884. Item No. 24, class C works, budget of 1886-87.
	Do. ...	Do. ...	23	Sergeants' Mess for East barracks.	...	...	...	...	6,000		23	Estimate is awaited.
	Do. ...	Do. ...	24	General improvements to the drains of the cantonment.	...	...	...	...	10,000		24	Do. do.
	Do. ...	Do. ...	25	Quarters for three Medical Subordinates, Station hospital.	...	...	...	...	8,000		25	Do. do.
	Do. ...	Do. ...	26	Quarters for head-quarter's staff, Royal Artillery.	...	...	...	...	12,000		26	Do. do.
	Do. ...	Do. ...	27	Battery office for P/1st Royal Artillery.	...	...	...	...	5,000		27	Do. do.
	Do. ...	Do. ...	28	Raising the roof of harness rooms, troop lines.	4,200	...	...	...	4,200		28	G.O., No. 3137 W., dated 17th December 1881. Item No. 25, class C works, budget of 1886-87.
	Do. ...	Do. ...	29	Wooden shed at the proof range ...	2,820	...	...	...	2,820		29	G.O., No. 3077 W., dated 13th December 1884. Item No. 26, class C works, budget of 1886-87.
	Do. ...	Do. ...	30	Converting the disused gun shed between the North barracks and the main guard into a coffee shop, recreation room, and library.	2,520	...	...	...	2,520		30	G.O., No. 1234 W., dated 28th May 1885. Item No. 27, class C works, budget of 1886-87.
	Do. ...	Pallávaram ...	31	One mortuary room for each of the three hospitals, Nos. 1 to 3.	...	...	...	...	3,000		31	Estimate is awaited. Item No. 28, class C works, budget of 1886-87.
	Do. ...	Poonamallee.	32	Improvements to the old barracks with possibility of obviating construction of the new.	...	...	...	...	5,000		32	Estimate is awaited.
	Do. ...	Do. ...	33	Warrant officers' quarters ...	...	...	...	...	3,500		33	Do. do.
	Do. ...	Do. ...	34	Two Staff Sergeants' quarters, first class.	...	...	...	...	6,000		34	Do. do.
	Do. ...	Do. ...	35	Coffee shop	...	...	...	...	9,000		35	Do. do.
				Carried over ...	...	...	...	...	...	...		

APPENDIX B—*cont.*

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—*cont.*

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.		
				Brought forward ...	...							
				IMPERIAL ORDINARY—*cont.*								
				MILITARY—*cont.*								
				Original Works—cont.								
(1) *Accommodation for troops*— Buildings for Native troops.	Vizagapatam.	Vizianagrum.	36	Regimental store room for Native infantry, including storage for camp equipage.	3,480	...	...	...	3,480		36	G.O., No. 2628 W., dated 27th October 1884. Item No. 32, class C works, budget of 1886-87.
	Bellary ...	Bellary ...	37	School-house for the Native Infantry regiment.	3,030	...	...	...	3,030		37	G.O., No. 149 W., dated 17th January 1884. Item No. 33, class C works, budget of 1886-87.
	West Coast.	Quilon ...	38	Sepoy lines	...	...	...	...	20,000		38	Estimate is awaited.
	Do. ...	Mangalore ...	39	Providing drains for the lines of the Native infantry.	...	...	...	...	6,030		39	Do. do.
	Presidency.	Madras ...	40	Constructing two male and two female latrines for Native Infantry lines at Perambúr.	...	...	...	...	3,000		40	Do. do.
	Do. ...	Do. ...	41	Flushing drains for Native Infantry lines at Ráyapuram.	4,300	...	...	...	4,300		41	G.O., No. 1397 W., dated 4th June 1884. Item No. 34, class C works, budget of 1886-87.
	Chingleput.	Pallávaram ...	42	Magazine for a Madras Infantry regiment.	4,900	...	...	...	4,500		42	G.O., No. 334 W., dated 8th February 1886. Item No. 38, class C works, budget of 1886-87.
	Do. ...	Do. ...	43	Armourer's shop for a Madras Infantry regiment.	2,880	...	...	...	2,880		43	G.O., No. 3149 W., dated 22nd December 1884. Item No. 29, class C works, budget of 1886-87.
(2) *Ordnance Works.*	Trichinopoly.	Trichinopoly.	44	Workshops for a Pioneer regiment.	...	...	...	...	8,000		44	Estimate is awaited.
	Presidency.	Madras ...	45	Compound wall round the Gunpowder Factory.	...	...	...	...	20,200		45	Estimate is awaited. Item No. 39, class C works, budget of 1886-87.
	Do. ...	Do. ...	46	Extra accommodation as store-rooms in the Gunpowder Factory.	...	...	...	...	6,000		46	Estimate is awaited. Item No. 40, class C works, budget of 1886-87.
(3) *Commissariat Buildings.*	West Coast.	Calicut ...	47	Mules and cattle shed	...	...	...	...	4,000		47	Estimate is awaited.
	Presidency.	Bangalore ...	48	Quarters for a Conductor, Transport Department.	5,800	...	...	...	5,800		48	G.O., No. 992 W., dated 16th April 1886. Item No. 51, class C works, budget of 1886-87.
	Do. ...	Do. ...	49	Quarters for Ambulance Sergeant, near Cattle lines, Transport Department.	...	...	...	...	3,000		49	Estimate is awaited.
	Do. ...	Madras ...	50	Lines for transport attendants ...	...	...	...	...	48,000		50	Estimate is awaited. Item No. 49, class C works, budget of 1886-87.
	Do. ...	Do. ...	51	Workshops and sheds for carts, doolies, &c., Transport Department.	...	...	...	...	5,500		51	Estimate is awaited. Item No. 50, class C works, budget of 1886-87.
	Do. ...	Do. ...	52	Construction of a shed at the Camp Equipage Depôt.	...	...	...	...	5,300		52	Estimate is awaited. Item No. 48, class C works, budget of 1886-87.
				Carried over ...	...	...	...	...	...	...		

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.		
				Brought forward ...	...							
				IMPERIAL ORDINARY—*cont.*								
				MILITARY—*cont.*								
				Original Works—cont.								
(3) *Commissariat Buildings.*	Presidency.	Teynampet ...	53	Construction of a wheat godown ...	...	...	...	...	5,950	...	53	Estimate is awaited. Item No. 46, class C works, budget of 1886-87.
	Chingleput.	Guindy ...	54	Quarters for station butchers attached to slaughter-house.	...	...	...	...	4,730	...	54	Estimate is awaited. Item No. 52, class C works, budget of 1886-87.
(4) *Staff and Miscellaneous.*	Nilgiri ...	Ootacamund.	55	Water-supply, Lawrence Asylum.	...	...	...	...	7,000	...	55	Estimate is awaited. Item No. 55, class C works, budget of 1886-87.
(8) *Fortifications* ...	West Coast.	Malapuram ...	56	Constructing fortifications ...	...	...	...	...	8,000	...	56	Estimate is awaited.
	Presidency.	Fort St. George	57	Facing the *en ceinte* of Fort St. George with Portland cement.	...	...	...	...	5,000	...	57	Do. do.
	Do. ...	Do. ...	58	Demolition of Wallajah ravelin and two lunettes.	...	...	...	...	7,426	...	58	Estimate is awaited. Item No. 53, class C works, budget of 1886-87.
	Do. ...	Do. ...	59	Constructing a draw-bridge to North Gate.	...	...	...	...	2,680	...	59	Estimate is awaited.
	North Arcot.	Vellore ...	60	Draw-bridge and gate for the Fort.	6,450	...	...	...	6,450	...	60	G.O., No. 528 W., dated 7th March 1884. Item No. 54, class C works, budget of 1886-87.
				Total ...	...	...	...	...	...	...		

17th December 1886, Nos. 3326, 3327 W., Public Works.

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.

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.

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

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

2. Of the sum of Rs. 4,42,550 available for works, Rs. 3,00,000 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 66 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. 6,44,400. 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, printed with the proceedings* herewith 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:—

	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

* No. 3326 W., dated 17th December 1886.

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.

Recd. *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.

22nd January 1887, No. 217 W., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

Read—the following papers:—

G.O., dated 17th December 1886, Nos. 3330, 3331 W., Public Works.

From Brigadier-General E. FAUNCE, Officiating Quartermaster-General, to the Secretary to Government, Military Department, dated Madras, 13th December 1886, No. 102-T.

Referring to O.G., No. 7155, dated 15th November 1886, I have the honor, by order, to report, for the information of Government, that His Excellency the Commander-in-Chief is now giving his consideration to the proposal made by the Government of India regarding the utilization of the existing magazines in Fort St. George; but as even if he finds himself able to recommend the execution of improvements to these magazines there is no probability of the plans and estimates connected therewith being completed in time to admit of work on them being undertaken in the current year, he would urge that no time be lost in moving the Government of India, by telegram if possible, to replace the grant of Rs. 20,000 at the disposal of the Government of Madras for allotment to the urgent works noted in the annexed list, some of which have been for years in the lists submitted with budgets, but which have had to stand over from want of funds.

2. If funds can be obtained for these works this year, it will be practicable to leave in the budget of next year some of those which, under the urgent demands for that year, it was proposed to omit in this office letter, No. 51-T., dated 1st instant, to the address of the Secretary to Government, Public Works Department.

Enclosure.

List of Military Works for which funds are urgently required in the current year.

Station.	Work.	Estimate.	Amount required this year.	Remarks.
1	2	3	4	5
		RS.	RS.	
Bellary	New gun-shed with collar-maker and wheeler shop, R.A.	5,663	5,663	Item 1, Class C Works, Budget 1886-87.
Madras	Converting racquet court into gymnasium, Fort St. George.	11,890	5,000	,, 17, do. do. do.
Wellington ..	Quarters for Barrack Sergeant ..	7,348	5,000	,, 10, Class C Works, Budget 1886-87, essential, as all Staff Sergeants' quarters in barracks will be required for the head-quarters of the regiment and for the depôt.
Bangalore ..	Improvements to wash-houses, Parade barracks.	12,500	4,337	Item 23, Class C Works, Budget 1886-87.
	Total ..	..	20,000	

(Signed) E. FAUNCE, Brigadier-General,
Officiating Quartermaster-General.

No. 7770, Military.

Transferred to the Public Works Department, for favor of necessary action, with reference to Proceedings of Government, No. 2928 W., dated 6th November 1886.

(By Order.)

Fort St. George, (Signed) A. R. KENNEY-HERBERT, Lieut.-Col.,
14th December 1886. Secretary to Government.

Order—dated 17th December 1886, No. 3330 W., Public Works.

Ordered to be forwarded to the Government of India with a strong recommendation that the sum withdrawn in paragraph 4 of their letter, No. 1607 M.W., dated 25th October 1886, may be re-allotted to this presidency for expenditure on the works detailed in the list attached to the Quartermaster-General's letter.

2. The Government of India will be requested to reply by wire.

(Here enter No. 3331 W., dated 17th December 1886.)

(True Extract.)

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

Endorsement—dated 17th December 1886, No. 3331 W., Public Works.

Forwarded.

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

Telegram from the Secretary to the Government of India, Military Department, Calcutta, to the Secretary to the Government of Madras, Public Works Department, Madras, dated 21st January 1887, No. 113 M.W.

Rs. 20,000 sanctioned for works detailed in list forwarded with your 3331 W., 17th ultimo.

Order—dated 22nd January 1887, No. 217 W., Public Works.

Communicated to Superintending Engineers concerned, who will make immediate arrangements to utilise the grant sanctioned by the Government of India. The names of the works and the sum allotted for each are given in the statement printed above.

2. The amount added to the Madras Military Works grant for 1886-87 is shown in the margin.

	RS.
For Works	20,000
,, Establishment	4,600
,, Tools and plant	200
Total ..	24,800

(True Extract.)

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

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

Exd. P. L. Pereira.
Spare Copies

GENERAL.
ACCOUNT.

Govt. of {1887} Madras.

PUBLIC WORKS.

Dated January, 22nd.

Recd. *Encl.*

G.O., 22nd Jan. 1887, No. 217 W.

JANUARY.

Funds

Telegram from the Government of India sanctioning an allotment of Rs. 20,000 for expenditure on certain Military works, communicated to the Superintending Engineers concerned.

SUPERINTENDING ENGINEER'S OFFICE,
No. 5801 Bangalore V CIRCLE, MADRAS,
Chepák, 7th February 1887.

From Colonel W. H. Burton R.E.
~~The~~ SUPERINTENDING ENGINEER,
V CIRCLE,

To

THE Chief Engineer
P. W. Department.

SIR,

Enclosures.
1 Statement.

With reference to para 6 of G. O. No 3326 W dated 17th December 1886, I have the honor to forward a Statement showing the details of expenditure of Rs 7946 up to end of 1883-84 on the additions and alterations to Wash House of Parade Barracks at Bangalore on the Estimate of Rs 12,500 Sanctioned in G. O. No 1102 W dated 7th May 1880.

2. The work was in abeyance for want of funds & has now been resumed on the allotment of Rs 4337 granted in G. O. No. 217 W. dated 22d January 1887 for the Current Official Year.

I have the honor to be

Sir,

Your Most Obedt. Servt.

W H Barton Col. R.E.

Supg. Engineer 6 Circle.

No. 652 W.d. March 3d/87

Communicated to the Military Dept with reference to para 8 of the Quarter Master Generals' letter No 517 dated 1st December/86 printed with G. O. No. 3326½ dated 17th Decr 1886.

Jell
2/3/87.

3326-7 — 17.12.86.
217 " 22.1.87
1102 " 7.5.86.

Military Dept
with ~~two~~ one enclos
SE V Circle
Despd 4/3/87

P.W.C. No 1633

From
The Supdg: Engineer
5th Circle.

To
The Chief Engineer
P.W. Departt.

Dated } February/87
Recd. 1-3-87 }

Enclo: 1 Statement.

No 652 W.d. March 3d/87

No 5801

Wash house of Parade Barracks at Bangalore.

—

Forwards a Statement showing the details of Expenditure of Rs 7946 up to end of 1883-84 on the additions & alterations to on the Estimate of Rs 125'00.- has now resumed on the allotment of Rs 4337-0-0

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for
ks,
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