(1) பக்கங்களின் எண்ணிக்கை 102 Sheets

(2) புதுக்கித் திருப்பிய நாள் 27-10-88

(3) ஆதாரங்குறிப்பவர் சுருக்கெழுப்பம்

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

பொதுப்பணித்
துறை

அரசாணை எண். 332/73327
மு. கோப்புத் தாள் எண்.

அச்சகம்
பல்வகை

நாள் : 17-12-1886

198

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வர் கண்டபடி கையாளவோ கூடாது

-1—18,000—15-6-87.

9

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. 3,00,000 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. 6,41,100. 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, 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:—

* No. 3326 W., dated 17th December 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

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.

PUBLIC WORKS DEPARTMENT.

General Account.

LETTER—from

COLONEL J. O. HASTED, R.E.,
Secretary to the Government of Madras,
Public Works Department,

To

THE SECRETARY TO THE GOVERNMENT OF INDIA,
MILITARY DEPARTMENT.

SIR,

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.

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I have the honor to be,

Sir,

Your most obedient servant,

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

FORT ST. GEORGE,
17th December 1886.

Exd. P. L. Pereira.
Spare Copies

5

GENERAL.
ACCOUNT.

Govt. of {1886} Madras.

PUBLIC WORKS.

Dated December, 17th.

Recd. *Encl.*

17th Dec. 1886, No. 3327 W.

DECEMBER.

Budget Estimate

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

PRELIMINARY ISSUE. 6.

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.

1

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Ditto ditto of Expenditure	2&3
Details of the Budget-Estimate of Expenditure—	
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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	1,35,232
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.

2 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 ...	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
										−3,504	...	−236
In England.	...	...	...	...	...	...	...	...	...	6,12,36	6,44,400	4,45,009
Total ...	50,900	91,650	1,42,550	3,00,000	1,03,030	4,420	...	...	5,50,000			
Provision from Contributions.												72
In India ...	...	...	...	...	...	...	...	...	...	...	...	
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

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.
					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 ...	—

9

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		

IMPERIAL.
MILITARY WORKS.

MADRAS.

PART I—*cont.*

DETAIL OF THE BUDGET-ESTIMATE FOR 1887-88.

CLASS B.—ORIGINAL WORKS FOR THE YEAR 1887-88.

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.	Outlay. Actual to end of 1885-86.	Outlay. Probable during 1886-87.	Grant, 1887-88. Works in progress.	Grant, 1887-88. Works not commenced.	Grant, 1887-88. 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	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

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. 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.
				IMPERIAL ORDINARY.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.		
				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.	...	...	...	...	3,979		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

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

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.	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.
				Brought forward ...	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.		
				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.	...	...	...	...	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 ...	...	...	...	...	...	...		

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.
				Brought forward ...	Rs. ...
				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
	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 Réyapuram.	4,300
	Chinglepat.	Pallávaram ...	42	Magazine for a Madras Infantry regiment.	4,900
	Do. ...	Do. ...	43	Armourer's shop for a Madras Infantry regiment.	2,880
(2) *Ordnance Works.*	Trichinopoly.	Trichinopoly.	44	Workshops for a Pioneer regiment.	
	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 ...	...

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. 29, 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.
...	...	...	...	...		

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.	
(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.
...	...	...	...	...		

PRELIMINARY ISSUE

15

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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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 Const.	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 ...	...

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		

IMPERIAL.
MILITARY WORKS.

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.

MADRAS.

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

	Budget-Estimate, 1887-88. Original Works. In progress.	Not completed.	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
										- 3,504	...	— 236
In England.	...	...	...	...	...	...	..	..	...			
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.

MADRAS.

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PART

DETAIL OF THE BUDGET-ESTIMATE FOR

CLASS B

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.
				IMPERIAL ORDINARY.	Rs.
				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.	12,500
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 ...	...

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 1880. 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	36,000	9	Do. do.
...	...	...	20,987	20,987		
...	...	14,124	91,650	1,05,774		
...	...	...	...	1,42,550		

V°

APPENDIX

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. 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.
				IMPERIAL ORDINARY.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.		
				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

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.	...
	Do. ...	Do. ...	28	Raising the roof of harness rooms, troop lines.	4,200
	Do. ...	Do. ...	29	Wooden shed at the proof range ...	2,820
	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
	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.
...	...	...	...	...		

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.*

APPENDIX B—*cont.*

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.	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.
				Brought forward ...	Rs. ...	Rs.	Rs.	Rs.	Rs.	Rs.		
				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	...	...	...	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 Rávapuram.	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 ...	...	...	...	...	...	...		

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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.
				Brought forward ...	Rs. ...
				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.
...	...	...	...	...		

Preliminary Issue. 1

Imperial
Military Works

24 Madras

Public Works Department.

Imperial Budget-Estimate

of

Military Works

of the

Government of Madras

for the year

1887-88.

Chepauk
December 1886.

Imperial
Military Works

Madras.

Contents.

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Imperial
Military Works.

Madras

Revenue.

Abstract of the Budget Estimate of Revenue of the Public works Dept from Military funds 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 Work Department	25,000	16,000	30,000	25,891
In Civil and Military Depts	"	"	"	"
Total	25,000	16,000	30,000	25,891

Charges.

Abstract of the Budget Estimate of Expenditure of the Public Works Dept 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		"	"	"	"
Tools and Plant		1,08,030	1,15,396	1,20,700	83,263
Suspense Account		4,420	4,969	5,200	3,563
		"	"	"	"
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	Original Works: not commenced	Original Works: Total	Repairs	Establishment	Tools and Plant	Suspense Account & Unusual Expenditure	Total	Revised Estimate 1886-87	Budget Estimate 1886-87	Actuals 1885-86
Provision from Imperial Funds:											
In India	50,900	91,650	1,42,550	3,00,000	1,03,030	4,420	"	5,50,000	6,12,361	6,44,400	4,45,245
In England	"	"	"	"	"	"	"	"	3,504	"	236
Total	50,900	91,650	1,42,550	3,00,000	1,03,030	4,420	"	5,50,000	6,12,361	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 shewing the Works in which the outlay in England above provided for is to be incurred.

Budget Estimate 1887-88.

	Original Works: In progress	Original Works: not commenced	Original Works: Total	Tools and Plant	Suspense Account	Total	Revised Estimate 1886-87	Budget Estimate 1886-87	Actuals 1885-86
In India	"	"	"	"	"	"	3,504	"	236
Total	"	"	"	"	"	"	3,504	"	236

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Military Works. 4

Madras

Part I.

Detail of the Budget Estimate for Class A Original Works for the year 1887-88

Head of Classification	Executive Division	Locality	Item No.	Projects and Works	Amount of Estimate	Actual to end of 85-86	Probable during 1886-87	Works in progress	Works not commenced	Total	Item No.	Remarks and References
				Imperial Ordinary Military Original Works.								
1. Accommodation for troops—Buildings for European troops in the plains—Rupees	West Coast	Malapuram	1	Constructing a barracks for accommodating 50 additional men and a canteen	135,697	14,981	10,115	20,000	"	20,000	1	G. O. No: 2305 W dy 13th September 1886. Item No: 1, 6 class A Works, Budget of 1886-87. Supplemental estimate is awaited.
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 dy 29th November 1884. Item No: 11 Class B Works, Budget of 1886
Trichinopoly	Trichinopoly		3	Construction of stone drains required for new lines		4,907	5,140	"		16,776	3	Estimate is awaited. Item No: 13, 6 class B Works, Budget of 1886-87.
				Total		"	"	36,776	"	36,776		

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Military Works. 6

Part I

Madras.

Detail of the Budget Estimate for Original Works for the year 1887-88
Class B Works

Head of Classification	Executive Division	Locality	Item No.	Description of Projects and Works.	Amount of Estimate.	Outlay actual end of 85-86	Outlay Probable during 1886-87	Grant 1887-88. Works in Progress	Grant 1887-88. Works not commenced	Grant 1887-88. Total.	Item No.	Remarks and References.
				Imperial Ordinary Military Original Works								
11 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 dt/3rd April 1886. Item No: 3 Class B 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: 1562 W dt/20th June 1884. Item No: 17, Class B Works, Budget of 1886-87.
	Do	Bangalore	4	Alterations and additions to wash houses, Parade barracks	12,500	7,946	"	4,564		35,787	4	G. O. No: 1102 W dt/7th May 1886. Item No: 23, Class B 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 dt/25 May 1886. Item No: 36, Class B 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 B 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	Adapting the existing magazine for storage of powder for Fort Armament	"	"	"	"	17,000		8	Do
	Do	Madras	9	Coal store, Ordnance Department	"	"	"	"	9,000	36,000	9	Do
				Minor Works	"	"	"	20,987		20,987		
				Total	"	"	14,124	91,650		105,774		
				Grand Total	"					1,42,380		

Imperial
Military Works.

Appendix
Part

List of Works (or Class B Works) omitted from the Budget Estimate of 1887-88
the
Detail of Budget Estimate for
Class A B

Detail of Classification	Executive Division	Locality	New No.	Projects and Works	Amount of Estimate
				Imperial Ordinary Military Original Works.	
Accommodation for troops—Building	Bellary	Bellary	1	Armourer's shop, 2nd Light Cavalry	2,695
European troops on the plains— Permanent	Do	Do	2	A new gun shed, Royal Artillery	
	Do	Do	3	Swimming baths, 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 shops for the arsenal	
	Nilgiri	Wellington	7	Quarters for a barrack sergeant	7,348
	Do	Do	8	Gymnasium	

Madras

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...t on which expenditure may be incurred during the year by Reappropriation from
...ginal Works for the year 1887-88
...orks.

Detail of Outlay end of 1885-86	Probable Outlay during 1886-87.	Works in Progress	Works not commenced	Amount applied for Grant 1887-88.	Item No.	Remarks and References
			2,695		1	G. O. No: 2266 W dy 14th Sept: 1886. Item No: 6 Class b Works, Budget of 1886-87.
			3,970		2	Estimate is awaited
			7,644		3	G. O. No: 2434 W dy 19th October 1885. Item No: 4, Class b Works, Budget of 1886-87.
			6,140		4	G. O. No: 320 W dy 7th February 1884. Item No: 6, Class b Works, Budget of 1886-87.
			11,260		5	Estimate is awaited. Item No: 2, Class b Works, Budget of 1886-87.
			4,650		6	Estimate is awaited.
			7,348		7	G. O. No: 1941 W dy 21st August 1886 Item No: 6 Class b Works, Budget of 1886-87.
			10,000		8	Estimate is awaited. Item No: 7, Class b Works, Budget of 1886-87

Imperial
Military Works.

List of works (or Class 'b' Works) omitted from the Budget Estimate of 1886-87, but ~~Appended~~ Detail of the Budget Estimate

Class A B

Head of Classification	Executive Division	Locality	Item No.	Projects & Works	Amount of Estimate
				Imperial Ordinary Military Original Works.	
11 Accommodation for troops. Buildings for European troops in the plains.— Permanent.	Nilgiri	Wellington	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 baths 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	"

Each Estimate here given is hereby sanctioned during the year by Re-appropriation from Original Works for the year 1887-88

Works

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Actual Expenditure 1885-86	Probable Expenditure 1886-87	Works in progress	Works not commenced	Amount applied for 1887-88.	Item No.	Remarks and References
"	"	"	4,180		9	Estimate is awaited. Item No. 9 Class b Works, Budget of 1886-87.
"	"	"	10,000		10	Estimate is awaited.
"	"	"	"		11	Estimate is awaited. Amount not shown by the Military Department. G. O. No: 418 of 18th February 1876. Item No. 11.
"	"	"	4,640		12	Class b Works, Budget of 1886-87.
"	"	"	2,780		13	G. O. No: 1058 W dy 4th April 1879. Item No. 12. Class b Works, Budget of 1886-87.
"	"	"	5,060		14	Estimate is awaited.
"	"	"	10,000		15	Do Item No. 13, Class b Works, Budget of 1886-87.
"	"	"	15,770		16	Estimate is awaited.

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Madras

List of Works (or class B Works) omitted from the Budget Estimate of 188 Post

Detail of the Budget Estimate fr

Class B

List B

Statement showing Expenditure may be incurred during the year by Reappropriation from Original Works for the year 1887-88.

Works.

Head of Administration	Executive Division	Locality	Item No.	Projects and Works.	Amount of Estimate	Outlays actual to end of 1885-86	Outlays Probable during 1886-87	Works in progress	Works not commenced	Total	Amount applied for Grant 1887-88. Item No.	Remarks and References.
				Imperial Ordinary Military Original Works.								
1. Accommodation for troops—Buildings for European troops in the plains—Permanent.	Presidency	Bangalore	17	Constructing V drains around the single men's blocks	"	"	7,830			17	Estimate is awaited.	
	Do	Do	18	Quarters for schoolmaster and schoolmistress	10,240	"	"	10,240			18	G. O. No: 2384 W&P&S. September 1886. Item No: 19, Class B Works, Budget of 1886-87
	Do	Do	19	New orderly rooms for 12th Lancers, or conversion of Quartermaster'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&P&S. November 1883. Item No: 20, Class B 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&P&S. April 1884. Item No: 21, Class B Works, Budget of 1886-87.
	Selingapet	St. Thomas's Mount	22	Armourer and collarmaker's shops, West Barracks	5,660	"	"	5,660			22	G. O. No: 2717 W&P&S. November 1884. Item No: 24, Class B Works, Budget of 1886-87.
	Do	Do	23	Sergeants' mess for East barracks	"	"	"	6,000			23	Estimate is awaited.

Imperial

Military Works. 14

Appendix

List of works (or class B works) omitted from the Budget Estimate of Part 1886-87

Detail of the Budget Estimate for

Class B

Head of Classification	Executive Division	Locality	Item No.	Project or Works	Amount of Estimate
				Imperial Ordinary Military Original Works	
02 Accommodation for troops-Buildings for European troops in the plains-Permanent.	Chingleput	St. Thomas Mount	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-quarters staff, Royal Artillery	"
Do	Do		27	Battery office for 0/1st Royal Artillery	"
Do	Do		28	Raising the roof of harness rooms, troop lines	4,200
Do	Do		29	Wooden shed at the proof range	2,820
Do	Do		30	Converting the disused gun shed between the North barracks and the main guard into a coffee shop, recreation rooms, and library	2,520
Do	Pallavaram		31	One mortuary room for each of the three hospitals, Nos: 1 to 3	"

Madras.

If any which are entered in this list may be incurred during the year by re-appropriation

Original works for the year 1887-88.

Works.

Amount applied for Grant 1887-88 actual to end of 1885-86	Probable during 1886-87.	Works in proper	Works not Commenced	Item No	Remarks and References
"	"	"	10,000	24	Estimate is awaited.
"	"	"	8,000	25	Do
"	"	"	12,000	26	Do
"	"	"	5000	27	Do
"	"	"	4,200	28	G. O. No: 3137 M/S/17th December 1884, Item No: 25, Class B Works, Budget of 1886-87.
"	"	"	2,820	29	G. O. No: 3077 M/S/12th December 1884. Item No: 26, Class B Works, Budget of 1886-87.
"	"	"	2,520	30	G. O. No: 12.34 M/S/28th May 1885. Item No 27, Class B Works, Budget of 1886-87.
"	"	"	3,500	31	Estimate is awaited. Item No: 28, Class B Works, Budget of 1886-87.

Appendix
Part
Detail of Budget Estimates for
Class B

List of Works (or Class B Works) omitted from the Budget Estimate of 1886-87 but now included

Head of Classification	Executive Division	Locality	Item No.	Projects and Works.	Amount B Estimate
				Imperial Ordinary Military Original Works.	
(1) Accommodation for troops, Buildings for European troops in the plains — Permanent.	Chingleput	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	"
Buildings Accommodation for native troops	Vizagapatam	Vizianagrum	36	Regimental store rooms for native infantry including storage for camp equipage	3,480
	Bellary	Bellary	37	School house for the native infantry regiment	3,000
	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 Perambore	"

B

E

Expenditure may be incurred during the year by re-appropriation from Original Works for the year 1887-88.

Works.

57

Contingency.		Amount applied for Grant, 1887-88.			
Actual Expenditure 1885-86	Probable Expenditure during 1886-87.	Works in progress commenced	Works not	Item No.	Remarks and Reference to Detail
"	"	"	5,000	32	Estimate is awaited.
"	"	"	2,600	33	Do.
"	"	"	6,000	34	Do
"	"	"	9,000	35	Do
					G. O. No: 2628 W & 27th October 1884. Item
"	"	"	3,480	36	No: 32, Class B Works, Budget of 1886-87.
					G. O. No: 149 W & 17th January 1884. Item
"	"	"	3,030	37	No: 33, Class B Works, Budget of 1886-87.
"	"	"	20,000	38	Estimate is awaited.
"	"	"	6,030	39	Do.
"	"	"	3,000	40	Do

List of Works (or Class B works) omitted from the Budget Estimate of 1886-87 but entered in Detail of the Budget Estimate Part

Class B

Head of Classification	Executive Division	Locality	Item No.	Projects and Works	Amount of Estimate
				Imperial Ordinary Military Original Works.	
(1) Accommodation for troops— Buildings for native troops	Presidency.	Madras	41	Flushing drains for native infantry lines at Royapuram	4,300
	Chingleput	Pallavaram	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	6,800
	Do	Do	49	Quarters for an Ambulance Sergeant mess cattle lines, Transport Department	"

B

Statement showing the Expenditure which may be incurred during the year by the Appropriation for Original Works for the year 1887-88

Works.

94

Outlay Actuals to end of 1885-86	Outlay Probable during 1886-87	Amount applied for 1887-88 Works in progress	Works not commenced	Total	Item No.	Remarks and references.
						G. O. No: 1397 W&P 4th June 1884. Item
"	"	"	4,300		41	Class B Works, Budget of 1886-87.
						G. O. No: 3334 W&P 8th February 1886. Item
"	"	"	4,500		42	No: 38, Class B Works, Budget of 1886-87.
						G.O. No: 3149 W&P 22nd December 1884.
"	"	"	2,880		43	Item No: 29, Class B Works, Budget of 1886
"	"	"	8,000		44	Estimate is awaited.
						Estimate is awaited. Item No: 6
"	"	"	20,200		45	Class B Works, Budget of 1886-87.
						Do Item No: 40, Class B W
"	"	"	6,000		46	Budget of 1886-87.
"	"	"	4,000		47	Estimate is awaited.
						G. O. No: 992 W&P 18th April 1886. Item
"	"	"	5,800		48	No: 67, Class B Works, Budget of 1886-87.
"	"	"	3,000		49	Estimate is awaited.

Imperial
Military Works
List of Works (or Class B Works) omitted from the Budget Estimate for 1886-87 but

Appendix
Part
Detail of the Budget Estimate for
Class B

Head of Charge	Executive Division	Local	No.	Projects and Works.	Amount B Estimate
				Imperial Ordinary Military Original Works.	
(3) Commissariat Buildings	Presidency	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	"
	Do	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 enceinte of Fort St. George with Portland cement	"
	Do	Do	58	Demolition of Wallajah ravelin and two lunettes	"

B

Statement of Imperial Works for the year 1887-88.

Estimate for 1887-88

Outlay to end of 1885-86	Probable Outlay 1886-87.	Amount applied for Works in proper Command	Works not	Total	Item No.	Remarks and References
"	"	48,000			50	Estimate is awaited. Item No: 49, Class B Works, Budget of 1886-87.
"	"	5,500			51	Estimate is awaited. Item No: 50, Class B Works, Budget of 1886-87.
"	"	5,300			52	_Do_ Item No: 48, Class B Works Budget of 1886-87.
"	"	5,950			53	_Do_ Item No: 46, Class B Works, Budget of 1886-87.
"	"	4,730			54	_Do_ Item No: 52, Class B Works, Budget of 1886-87.
"	"	7,000			55	_Do_ Item No: 55, Class B Works, Budget of 1886-87
"	"	8,000			56	Estimate is awaited.
"	"	5,488			57	Do.
"	"	7,426			58	_Do_ Item No: 53, Class B Works Budget of 1886-87.

Imperial
Military Works.

22

Appendix

List of work (or Class C works) omitted from the Budget Estimate of 1886-87 but

Part

Detail of the Budget Estimate

Class B

Head of Classification	Executive Division	Locality	Item No.	Projects and Works	Amount of Estimate.
				Imperial Ordinary Military Original Works.	
(8) Fortifications	Presidency	Fort St. George	57	Constructing a draw bridge to North Gate	"
	North West	Vellore	60	Draw bridge and gate for the fort	6,450

h
14/12

23

Madras

B

I

on which expenditure may be incurred during the year by Re. appropriation from

for Original Works for the year 1887-88.

Works

36

Outlay Actual to end 1886-87	Outlay Probable during 1887-88	Amount applied for 1887-88 works in progress	Amount applied for 1887-88 works not commenced	Total	Item No.	Remarks & References
"	"	"	2,680		59	Estimate is awaited.
						G. O. No: 528 W 4/7 - March 1884. Item No
"	"	"	6,450		60	54, Class C Works, Budget of 1886-87

M 8

Imperial Military Budget Estimate.

Statement showing the amounts of the Estimated Requirements in lump Sums to be provided in the Imperial Budget Estimate for 1887-88.

Divisions.	Minor Works.					Repairs				Remarks.
	Military	Civil Buildings	Communications	Rivers Canals and Public Improvements.	Military	Civil Buildings	Communications	Rivers Canals and Public Improvements.	Tools and Plant	
Rushikalya Division	500	"	"	"	1000		"	"	"	* The amount is required for the following Works.
Ganjam Division	"	"	"	"	480		"	"	"	Regimental Magazine for Native Infantry at Vizianagram Sanction: G.O. No. 278 dt. 6th February 1885. 1530.
Vizagapatam Division	*4720	"	"	"	2750		250	"	"	Improvements to the Regimental Hospital Native Infantry at Do sanctioned in G.O. No. 1746 W. dated 16th July 1884 545
Godavari Eastern Div.	"	"	"	"	1000		"	"	"	Additions to the regimental Hospital Native Infantry at Do Sanction: G.O. No. 1794 dated the 21st January 1884 515
Godavari Central Div.	"	"	"	"	"		"	"	"	Providing lightning Conductors with earth connections of the latest approved pattern to the four Powder Magazines of the Native Infantry regiments Plans & Estimates called for in G.O. No. 324 dated the 6th February 1886 — 1500
Godavari Western Div.	"	"	"	"	"		"	"	"	Lump sum grant for unforeseen works 630
Total	5220	"	"	"	5230		250	"	"	Total 4720

Executive Engineer 1st Circle.

* Superintending Engineer 2nd Circle.

Imperial Military Works. First Circle. Part I

Detail of the Budget Estimate for original works for the year 1887-88.

Head of Classification.	Executive Divisions.	Locality	Item No.	Projects & Works.	Amount of Estimate.	Outlay. Actual to end of 1885-86.	Outlay. Probable during 1886-87.	Grant for 1887-88. Works in progress.	Grant for 1887-88. Works not commenced.	Grant for 1887-88. Total.	Item No.	Remarks & references.
Accommodation for Troops. Buildings for Native Troops.	Vizagapatam Division.	Vizianagram	1	Military. Original works. Major. Constructing stores and for the 16th Regiment M. N. I.	3,480	-	-	-	3,480	3,480	1	G.O. No. 2628 W. dated the 27th October 1884.

D. Stewart

Supt. Engr. 1st Circle.
1-11-86.

Budget of
Imperial Military
works for 1887-88.

FROM,

THE SUPERINTENDING ENGINEER
FIRST CIRCLE.

TO,

THE CHIEF ENGINEER
P. W. D.
~~FOR IRRIGATION.~~

DATED 1
DESPATCHED 3 } November 1886.
RECEIVED —

~~No.~~

ENCLOSURES.

Imperial Military
Budget for 1887-88.
(to accompany letter
No. 300 G. L. of 22-10-86)

B

Imperial Military Works

Abstract of the Budget Estimate of expenditure under Imperial Military Works for 1887-88.

Divisions	Repairs	Remarks
	Rs.	
Kistna Eastern	60	For compensation for quarters
Nellore.	360	for Military Subordinates.
Total	420	

Imperial Military Works

Statement of approximate outlay during the official year 1886-87 called for in G.O. No. 2288 W. of the 16th August 1883 on works in the 2nd Circle

Divisions	Repairs	Remarks
Kistna Eastern	72	These amounts have been provided
Nellore	360	to be allotted later on, vide G.O.
		No. 2629 W. of the 6th October 1886.
Total	432	

Superintending Engineer's Office
2nd Circle
22nd October 1886

I. D. Lyon
Superintending Engineer 2nd Circle.

A.P.

R 27 10 88

II Circle

Imperial Military Works Berlin

1887-88

Statement shewing the proposed expenditure in the ensuing official year and the approximate outlay in the current official year under all Budget Heads "Major Works" being specified in detail to accompany the Budget Estimate for 1887-88.

Division	Details	Estimate Amount	Grant for 1886-87	Approximate expenditure during 1886-87	Proposed expenditure during 1887-88	Remarks
	Imperial					
	Military					
	Major Original Works					
Bellary	Reconstructing double apothecaries quarters station Hospital	6222	6,222	6,222	"	
Do	Infectious disease ward and Cook house for the station Hospital	6140	"	"	5000	
Do	New gun shed with Collar-Makers & Wheelers' shop combined for the Royal Artillery	5663	"	"	5663	
Do	Armourers' shop 2½ Light Cavalry	2695	"	"	2695	
Do	School house for the Native Infantry Regiment	3030	"	"	3030	
Do	Swimming Bath for the European Infantry	7614	"	"	5000	
	1 Minor Work	1063	1063	1063	"	Sy 6 Dr 167 & 7 of 20th January 1886
	Minor Works (Lump sum)		"	"	1000	
			Total	7285	22388	
	Repairs					
	Annual Repairs (Lump sum)		24,280	24,280	26,000	

Supdg Engineers' office
Bellary 25th September/86

A Griffith Major R.E.
Superintending Engineer
3rd Circle

Statement to accompany
the Military Budget
Estimate for 1887-88.

3rd Circle

Imperial
Buildings and Roads

Budget Estimate for 1887-88.

Abstract.

	Estimate for 1887-88		Estimate for 1886-87.	
	Amount	Total	Amount	Total
Military				
Original Works	22388		22385	
Repairs	25000		26280	
Total Military		47388		31565

Imperial
Buildings and Roads

Detail of the Budget Estimate of Original Works, Imperial Buildings and Roads for the year 1887-88.

Head of Classification	Executive Division	Locality	Item No.	Projects and Works.	Amount of Estimate	Outlay: Actual to end of 1885-86	Outlay: Probable during 1886-87	Grant 1887-88	Remarks and References.
				Imperial					
				Military					
				Major Original Works.					
Accommodation for Troops	Bellary	Bellary	1	Infectious disease Ward and Cook House for Station Hospital	6140	"	"	5000	G.O. No 320 W of 7th February 1884 Item No 5 class C Works Budget 1886-87
Buildings for European Troops.	Do	Do	2	New gun shed with Collar-makers' & wheelers' shop combined for the Royal Artillery	5663	"	"	5663	G.O. No 914 W of 3rd April 1884. Item No 3. class C. works. Budget 1886-87.
	Do	Do	3	Armourers' shop 2nd Light Cavalry	2695	"	"	2695	G.O. No 2266 W dy 14th September 1881 Item No 6 Class C Works Budget 1886-87.
Buildings for Native Troops.	Do	Do	4	School House for the Native Infantry Regiment	3030	"	"	3030	G.O. No 1191 W dy 17th January 1884 Item No 33. class C Works Budget 1886-87
Buildings for European Troops	Do	Do	5	Swimming Bath for the European Infantry	7644	"	"	5000	G.O No 2134 W dy 19th October 1885 Item No 4 class C works Budget 1886-87
							Total	21,388	
	Do	Do		Grant for minor works costing under Rs 2500 each		"	"	1000	
							Total Military	22,388	

Imperial
Buildings and Roads.

Part II

3d Circle

Budget Estimate for Repairs, Imperial Buildings & Roads for the year 1887-88.

Head of Classification	Division	District	Items	Estimate 1887-88 Amount	Estimate 1887-88 Total	Estimate 1886-87 Amount	Estimate 1886-87 Total
			Imperial Military Repairs				
Military	Bellary	Bellary	Annual Repairs	25000		24280	
			Total Military		25000		24280

Supdtg Engineer's Office
Bellary 26th September 1886

A L Smith Major RE
Superintending Engineer 3d Circle

29

From

The Supdg. Engineer

3d Circle

To

The Chief Engineer

F. W. D

Headquarters

Dated Wks 7 September 188
Recd 9

Subject

Military Budget

Estimate for 1887-88.

Coimbatore

Statement showing the proposed expenditure in the year 1887-88 and the approximate outlay in the current official year under the Budget Head.

Imperial Military

95 Projects and Works	Amount of Estimate	Outlay up to 31st March 1886-	Approximate outlay in the official year 1886-87.	Proposed expenditure in the year 1887-88
Major Original Works.				
— Nil —				
Minor original works —	2922	404	2518	500
Repair —	-	3210	6000	5000
Total Rs. —	-	3,614	8,518	5,500

Executive Engineer's office
Coimbatore 23rd September 1886

Captain R.E.
Executive Engineer

Imperial - Militar

SUPG: ENGINEER'S OFFICE
No. 542 C.
21 SEP. 86
P. W. D.
FOURTH CIRCLE

E 1

Endos: 9 to the S.E
letter No 378 EW
9-10-86

Secb: S
P.Nr. 7881

Statement showin
the proposed expendi
in the year 1887-88 and
approximate outlay
the current official y

Imperial - Military works

List of minor new works to accompany the Budget for the year 1887-88.

51

No.	Particulars	Amount of Estimate	Remarks
	West Coast Circle		
1	Converting the beer godown into a gymnasium shed at Malla-puram	790	G.O. No 348 W of 13th February 1885
2	Constructing a platform and pump for a well at the Mala-puram Barracks	1110	Do No 1034 W of 2d May 185
3	Deepening a well in the Cholera camping ground at Malla-puram	410	Do No 1403 W of 16th June 185
4	Constructing a slaughter house at the West hill Barracks, Calicut	1954	Do No 2548 W of 2d November 85.
5	Converting into a battery the cook room at the West Hill Barracks, Calicut	1010	Do No 2740 W of 16th Nov 85.
6	Sinking a well in the compound of the Station hospital at Cannanore	700	Do No 1778 W of 21st July 184
7	Providing a compound wall & wooden ceiling for the European Infantry cells at Cannanore	756	Do No 345 W of 8th February 186
		6730	

B. fd — 6730

8	Constructing a permanent verandah for the Quarter Master stores Native Infantry Regiment, Mangalore	630	G.O. No 1648 W of 1st July 84	
9	Substituting asphalte for chunam in the flooring of the wards & surgery of the Hospital attached to the Native Infantry Regiment Mangalore	695	G.O. No 1647 W of 1st July 1884.	
10	Flooring with tar composite the Native Infantry place of arms at Mangalore	653	Do No 285 W of 6th February 85	
11	Additions and alterations to the Government Bakery at Cannanore	2117	Do No 1926 W of 4th August 86.	
12	Forming a soldiers garden at Mallapuram	220	Supy: Engrs Regn No 9 of 86-86	
13	Improving the well below the married quarters at the West Hill barracks at Calicut	150	Do No 60 of 85-86	
14	Building an urinary for the Station Hospital at Cannanore	68	Do No 25 of 83-84	
	C.O	11263		

Dfd — 11263

15	Alterations to the floor of Ovens of the Government Bakery at Cannanore	440	Supy: Engrs Regn No 22 of 84-85	
16	Constructing laterite drains to the Government Bakery at Do	200	Do No 33 of 84-85	
17	Do — 2 solitary cells attached to barracks at Quilon	1500	Estimate will be submitted Proposed to remove & place them nearer also to improve the present style of building by the addition of closed arrangements for latrine purposes as at present nothing of the sort exists.	
18	Constructing 10 new masonry cisterns for rubbish in the Native Infantry lines at Mangalore	190	Estimate prepared not sanctioned for want of funds.	
19	Constructing two new latrines in the solitary cells near Commissariat Godowns at Mangalore	250	Estimate will be submitted	
20	Providing sentry box for the Native Infantry Regiment at Mangalore	50		
21	Improving &c the drainage of barracks at Mallapuram	900		
22	Constructing 2 servants quarters to the Apothecarys quarters at West Hill barracks at Calicut	1080		
	C.O	15793		

B. fo 15793

23	Constructing a cattle pen near the slaughter house at Walliapuram	620	Estimate will be submitted
24	Additions & alterations to the Divisional office at Cannanore	1577	G.O. No. 2529 W dt 27-9-86
25	Constructing a compound wall round the Elephant line at Cannanore	1303	Estimate will be submitted
	Unforeseen works	1000	

Nilgiri Division

Constructing a Porch and opening 2 doors in the officers Mess room at Wellington	418	Supdg: Engineer's register No 35 of 1885-86.
Providing coking stoves for the Staff Sergeants Quarters at	536	G.O. No 1476 W dt 18-6-86.
C/o	21247	

B. fo 21247

New flooring to the Lattines & Barracks and Family Quarters at Wellington	1680	G.O. No. 3558 W of 11-12-83
Adding a room to the Hospital purveyors Go-down at Wellington	1520	Do No. 1849 W dt 30th July 1884.
Unforeseen works	3846.	

Conducted as per

Unforeseen works	500	
Grand Total	28793	

9th October/86

L Beaty Colonel RE
Supdg: Engineer II circle

59

Enclos: 6 to the A.E.
letter No 378 EW
9-10 86.

Imperial

Statement Shewing the Approximate Expenditure under all Budgets Heads during 1886-87 to accompany the Budget for 1887.

Item No	Name of Work	Amount of Estimate	Expenditure to end of 1885-86	Approximate outlay in 1886-87	Remarks
	Military Engineer Work Major				
1	Constructing Bakery at Wellington	31.450	24074	7000	Pol. on 2 & 6th have been granted for 1886-87 these will be applied for to complete all work in 1886-87.
	Adding 2 Lying in Wards to the Station Hospital Wellington	3036	"	3000	will be Complete
	Original Work Minor.				
	Additions to New Canteen at Wellington	181	"	181	
	Constructing 5 Batt. Rooms to Pay Mess & Sergt. Quarters Wellington	895	330	300	will be Complete in 86-87
	Flooring passages of Family Quarters Wellington	640	154	300	
	Laying 1st Water Service Pipes to Batt. Rooms in Hospital Wellington	600	421	26	
	Impervious Flooring the Hospital Nursery Dormitories of Male and Female Barracks Lawrence Asylum	1700	134	1566	
	Providing Lightning Conductors Girls School Lawrence Asylum	950	773	68	Do Do
	Repairs Imperial Military			25.000	
	Civil Building Roads and Services & Original Works & Major Works				
	Nil.				
	Minor Works				
	Additions to Post office at Kolagiri	40	"	40	
	Repairs Postal			500	

Votaca amended
13th September 86

L. Taylor
Accountant.

H. Blenkinsop
Executive Engineer
Nilgiri Division

SURVEYOR GENERAL'S OFFICE
No. 7779
15 SEP. 86
P.W.D.
FOURTH CIRCLE

Endor: 7 to the S.E's letter
No 378 EW
9.9.86

Statement Showing
Approximate Expenditure
under Imperial Budget
Heads for 1886-87

—"—

Statement showing the approximate outlay under Imperial military works during the official year 1886-87

57

	Head of Account	Grant for 1886-87	Approximate outlay for 1886-87	Remarks
	Imperial Military			The allotments for the following works amount to Rs 34499
1	Major Original Works	34499	24499	Mallisparam Barracks — 20000 Regimental store shed Quarters — } 900 Lightning conductors Madras Infantry Magazine Ceiling — } 380 Providing shelves &c in the Artillery magazine and Treasure room Cannanore Fort — } 1170 Deduct probable savings on the Mallisparam Barracks as per S.E's d/d 5.6.86 — } 10000 24499 Other works under minor new works will be proposed for the sum of Rs 10000 and the outlay under that head will be increased by that amount.
2	Minor new Works	1169	1169	This is the grant given in G.O. No 1075 W dated 23.6.86 in D.J. Appn. by Govt General G.O. No. 1036 dt 25.8.86. Please see the concluding portion of the remarks for No 1 for increase of Rs 10000.
3	Repairs	37000	37000	This appertains to general repairs to Military works and to Commutations for quarters to Medical and Military Officers. Upto date Rs 12819 have been appropriated.

Calicut
30th Septr 86

Compd.

Executive Engineer
West Coast Division

From

The Executive Engineer

West Coast Divn.

SUPG. ENGINEER'S OFFICE
No. 804 W/C
-2 OCT. 86
P.W.D.
FOURTH CIRCLE

E 2

Dated 30 : Sept 86

Endors. & to the A. E's
letter No. 378 EW
9-10-86

Statement showing
the approximate
outlay under Im-
perial Military
Works during the
official year 1886

Imperial
Military Works

IV Circle

67

Public Works Department

Imperial Budget Estimate

of

Military Works

for the year

1887-88

Coimbatore
1st Octr: 1886

Lt Beatty - Colonel R.E.
Superintg Engineer 4th Circle

Imperial
Military Works

IV Circle

100
1

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Revenue

Abstract of the Budget Estimate of Revenue of the Public Works Department from Military Works in the Fourth from 1st April 1887 to 31st March 1888

	Budget Estimate 1887-88	Revised Estimate 1886-87	Budget Estimate 1886-87	Actual 1885-86
In Public Works Department	636	2,636	2,636	836
In Civil and Military Department	1,200	3,920	1,200	1,000
Total	1,836	6,556	3,836	1,836

Charges

Abstract of the Budget Estimate of expenditure of the Public Works Department of Military Works in the Fourth circle 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
Original Works	In progress		46,331	39,398	67,234	
	Not commenced		122771			
Repairs	Ordinary		67,000	66,000	60,000	40,570
	Special					
Establishment						
Tools and Plant						
Suspense Account						
Total			189771	1,14,331	99,398	1,07,804

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

90

	Original Works			Repairs	Budget Estimate 1887-88						Revised estimate 1886-87	Budget Estimate 1886-87	Actuals 1885-86.
	In progress	not commenced	Total		Establishment	Tools and Plant	Suspense Account	Barrack Department	Total				
Provision from Imperial Fund													
In India	.	122771		67,000	"	"	"	"	189771.		114,331	99398	107804
In England	.	.		"	"	"	"	"	.		"	"	"
Total		122771		67,000	"	"	"	"	189771.		114,331	99398	107804
Provision from Contributions													
In India	"			"	"	"	"	"	"	"	"	"	"
Grand Total		122771		67,000	"	"	"	"	189771		114331	99398	107804

Imperial Military Works.

Part I

Detail of the Budget Estimate for Original Works for the year 1887-88.

21

Head of classification	Executive division	Locality	Item No	Projects and works	Amount of Estimate	Outlay Actual to end of 1885-86	Outlay Probable during 1886-87	Grant 1887-88 Works in Progress	Grant 1887-88 Works not commenced	Grant 1887-88 Total	Item No	Remarks and references
1) Accommodation for Troops Buildings for European Troops in the Plains Permanent	West Coast	Cannanore	1	Plunge Bath for the European Infantry Barrack	4,640	"	"	"	4,640		1	G.O. No: 418 of 10th Feby 1886 Item No 11 13 class Works Budget of 1886-87
	"	"	2	Improving Latrines for the British Infantry	2780				2,780		2	G.O. No: 1056 W of 4th April 1879. Item No: 12 class B. Works, Budget of 1886
Buildings for European Troops in the Hills	Nilgiri	Wellington	3	Quarters with out houses for a Barrack serjeant	7,348				7,348		3	G.O. No: 1941 W of 21st August 85 Item No: 10 class B Works Budget of 1886-87
	"	"	4	Gymnasium for the Depot	21,835				10,000		4	Estimate sent to Military Authorities on the 6th January 86 Item No: 15, class B. Works Budget of 1885/87. At the desire of H.E. the Commander-in-Chief, the work is to remain in abeyance.
	"	"	5	Constructing a new Lock Hospital	4,180				4,180		5	Estimate submitted to the Asst: Quarter Master General Bangalore Division by the Commandant Wellington.
	"	"	6	Accommodation for a Mountain Battery					10,000			The Quarter master General states that it is unnecessary to take further action regarding provision for accommodation of the Battery.
				Carried over					38948			

Imperial Military Works

Part I

Detail of the Budget Estimate for Original Works for the year 1887-88

62

Head of classification	Executive division	Locality	Item No.	Projects and Works	Amount of Estimate	Out Actual to end of 1885/86	Grant 1887-88 Probable during 1886/87	Works in progress	Works not commenced	Total	Item No.	Remarks and References
				Brought forward					38948			
Buildings for native troops	West Coast	Quilon	7	Depot Lines					20000		7	Considered unexpent. Applied for by the standing Committee of 28th June/88 Estimate will be submitted
(13) Commissariat Buildings	Do	Calicut	8	Mules and Cattle shed					4000		8	Estimate under preparation
(14) Staff and Miscellaneous	Nilgiri	Ootacamund and Lovedale	9	Water supply Lawrence Asylum					17000		9	Estimate was returned to Executive Engineer for revision. Item No. 55 Class B Works Budget of 1886/87.
(17) General Cantonment Works. Drainage and Clearances	West Coast	Mangalore	10	Providing drains for the Lines of the Native Infantry					6030		10	Estimate was returned to Executive Engineer for revision
(18) Fortifications	"	Malapuram	11	Constructing for Fortifications					8000		11	Estimate under preparation
		Minor Works		as per list accompanying								
				Repairs West Coast 37,000 Nilgiri 25,000 Coimbatore 5000 67,000								
									28793	122771.		

Enclos: 5 to the A.E's
letter No 378/EW d/9-10-86

Enclos 9
PW/378/86

5th Circle No 3587. Military

Budget Estimate of Revenue to be
Collected by P.W. Depts: for 1887-88.

67

Particulars.	Amount.	Remarks.
Imperial		
Military		
North Arcot Divn.		
Rents of Buildings	270	
Other Revenue	80	
	350.	

Fifth Circle.

Imperial Military Works.

Detail of the Estimate of Original works for 1887-88.

Head of Classification	Executive Division	Locality	Item No.	Projects & Works.	Amount of Estimate	Outlay. Actual from 1886-87	Outlay. Probable during 1886-87	Grant 1887-88 Works in Progress	Grant 1887-88 Works commenced	Grant 1887-88 Total	Remarks.
				Imperial Military Major Original Works.							64
Accommodation for Troops.	Ordnance Department.	Mount.	1	Raising the Terrain walls and remodelling the roofing of the East and West Rooms Room Troops Lines	4200	.	.	.	4200	4200	G.A. No 3137 W. dated 17th December 1881 Item No 28 of Appendix to G.A. No 249 W 25-9-86.
		—do—	2	Constructing Cobbon Mathers and Wheeler's Shops for the 2nd Brigade R.A.	5660	.	.	.	5660	5660	G.A. No 2717 W. of 3/11/84 Item No 7 of —do—
		—do—	3	Constructing a wooden Shed at the proof Range	2820	.	.	.	2820	2820	G.A. No 3077 W. of 13/12/84 Item No 29 of —do—
		Pallaun-pram.	4	Constructing an Armourers Shop for the Native Infantry Regiment	2880	.	.	.	2880	2880	G.A. No 3149 W. 22-12-84 Item No 43 of —do— —do—
										15560	

Fifth Circle.

Imperial Military Works.

Detail of the Estimate of Original works for 1887-88.

Head of Classification	Executive Division	Local Officer	Item No.	Projects & Works.	Amount of Estimate	Outlay. Balance to complete 1886-87	Outlay. Probable Outlay during 1886-87	Grant 1887-88. Works in progress	Grant 1887-88. Works commenced	Grant 1887-88. Total	Remarks.
										47653	
Accommodation	Public Works	Bangalore	10	Sergeants Block to Construct & Drains around the	7830	"	"	"	7830	7830	Estimate under Preparation. 66
		—do—	11	Native Infantry Accommodation for a Regiment of	21636 30990	"	10,000	11636	"	11636	G.O. No. 2592 W Item 36 of 22-11-84 Cancelled with G.O. No. 2497 W. 7-6-a September 1886.
		—do—	12	Field Officers Quarters Construction Store Rooms & Workshops for the Regiment of	4740	.	.	.	3000	3,000	Item No 39 of do
		—do—	13	Royal Artillery Construction Army School Master & Mistress Quarters	10240	.	.	.	10240	10240	G.O. No 2384 W 20-9-86. Item 80 of do
		Madras	14	Penambore Native Infantry Lines Construction two Block & two Female Latrines &c	3000	.	.	.	3,000	3,000	Estimate has been sent to D/ Asst. Adjt. Genl on 6th Augt. 1885 No 1954.
										83359	

Fifth Circle. Imperial Military Works.

Detail of the Estimate of Original works for 1887-88.

Head of Classification	Executive Division	Locality	Item No.	Projects & Works.	Amount of Estimate	Outlay. Actual to end of 1886-87	Outlay. Probable during 1887-88	Grant 1887-88. Works in progress	Grant 1887-88. Works commenced	Grant 1887-88. Total	Remarks.
Accommodation for Troops.	Public Works.	Madras	15	Gymnasium Connecting the old Racket Court with Covered Gymnasium	11570	2040	280	9250	.	9250	83359 G.A. No 1552 W. of 29/6/84. Item No 6 of the Appendix Circulated with G.A. No 2497 W. dated 25th September 1886.
		do	16	Royapuram - Flushing drains with Seven Wells water.	4300	.	.	.	4300	4300	G.A. No 1397 W. of 4/6/84. Item No 41 of do 67
		Fort St. George.	17	Drainage of Fort and Barracks.	10,000	.	.	.	10,000	10,000	Item No 6 B of do
		Madras	18	Coach Houses & Stables Connecting - on the esplanade in front of Body Guard Lines for use of Officers in Fort St. George.	15,770	.	.	.	15770	15770	Estimate was sent to Sy. A. Dymgad No 4016 of 19/12/86. Vide G.A. No 481 W. of 24/2/87
		Bangalore	19	Bazar Barracks Alterations & Additions to wash houses	12500	7946 7636	.	4864	12500	4864 12500 13179	G.A. No 1102 W. of 7th May/80 Item 2 of Appendix Circulated with G.A. No 2497 W. of 25/9/86.

Fifth Series.

Imperial Military Works.

Detail of the Estimate of Original works for 1887-88.

Head of Service	Section of Division	Local City	Item No.	Projects & Works.	Amount of Estimate	Outlay. Actual Expenditure 1886-87	Outlay. Probable Expenditure 1887-88	Grant 1887-88. Works in progress	Grant 1887-88. Works commenced	Grant 1887-88. Total	Remarks.
Accommodation for Troops.	Cantonment Division	Bangalore	20	New orderly room for 12 Companies or conversion of Quarter Masters Stores into orderly room & Stores	6500	.	.	.	6500	6500	135779 Item No 20 of Appendix Circulated with G.O. No 2497 D dated 26th September 1886. 68
		St Thomas Mount	21	Sergeants Mess for East Battery	6,000	.	.	.	6,000	6,000	Item No 23 of do
		—Do—	22	General Improvements to the drainage of the Cantonment	10,000	.	.	.	10,000	10,000	Item No 24 of do
		—Do—	23	Quarters for three Medical Subordinates Station Hospital	8,000	.	.	.	8,000	8,000	Item No 25 of do
Ordinary Estimates.		—Do—	24	Quarters for Head Quarter Staff Royal Artillery	12,000	.	.	.	12,000	12,000	Item No 26 of do
										1767 177679	

Fifth Schedule.

Imperial Military Works.

Detail of the Estimate of Original works for 1887-88.

Item No.	Reference to Plan	Locality	Project & Works.	Amount of Estimate	Outlay. Actual to end 1885-86	Outlay. Probable during 1886-87	Grant 1887-88. Works in Progress	Grant 1887-88. Works commenced	Grant 1887-88. Total	Remarks.
									17679	
26	Mount		Battery Officers for 9 P.F. R.A.	5,000	.	.	.	5,000	5,000	Item No 27 of Appendix to G.A.M. 2497 & 2725 September 1886.
27	Cathcarmore	26	One Mortuary Room for each of the three Hospitals No 1 to 3	3,000	.	.	.	3,000	3,000	Item No 31 of — do —
28	Fort Saint George.	27	Improvements to the old Barracks with the possibility of abbreviating Construction of the New	5,000	.	.	.	5,000	5,000	Item No 32 of — do —
29	Do	28	Warrant Officers' Quarters	3500	.	.	.	3500	3500	Item No 33 of — do —
30	Do	29	Two Staff Sergeants Quarters first class.	6000	.	.	.	6,000	6,000	Item No 34 of — do —
31	Do	30	Coffee Shops.	9000	.	.	.	9,000	9,000	Item No 35 of — do —
32	Fort Saint George.	31	Construction of two Magazines in the Wallajah tower	26420	.	10,000	"	6420	6420	Item No 45 of — do — Sanction to the Estimate is awaited.
33	Madras	32.	Coal Store Ordnance Department	1800	.	.	.	9,000	9,000	Item No 47 of — do —
									224599	

Fifth Circle.

Imperial Military Works.

Detail of the Estimate of Original works for 1887-88.

Head of Department	Division	Local Circle	Item No.	Projects & Works.	Amount of Estimate	Outlay. Actual to end of 1886-87	Outlay. Probable during 1887-88	Grant 1887-88. Works in Progress	Grant 1887-88. Works commenced	Grant 1887-88. Total	Remarks.
Ordnance Works.	Buildings	Madras	33.	Gun Powder Factory. Compound wall around the.	20200				20200	22697	Item No 49 of Appendix to G.O. No 2267 Mar dated 25th September 1886.
		do	34	Extra Accommodation as Store-rooms in the Gun Powder Factory	6000				6000	6,000	Item No 49 g — do —
		Bangalore	35	Quarters for a Conductor Transport Department	5800				5800	5,800	G. Act 9927 dt 3/16/4/86. Item No 50 of — do —
		do	36	Quarters for Ambulance Depôt near Cattle Lines Transport Dept	3000				3,000	3,000	Item No 51 of — do —
		Madras	37	Lines for Transport Attendants	48000				48000	48000	Item No 52 of — do —
		do	38	Workshops & Sheds for Carto-doolies &c. Transport Dept	5500				5500	5500	Item No 53 of — do —
		do	39	Constructing a Shed at the Camp Equipage Depôt	5800				5800	5,800	Item No 54 of — do —
										318399	

Fifth Circle.

Imperial Military Works.

Detail of the Estimate of Original works for 1887-88.

Head of Classification	Executive Division	Local Circle	Item No.	Projects & Works.	Amount of Estimate	Outlay. Balance to end of 1886-87.	Probable Outlay 1887-88.	Grant 1887-88. Works in Progress	Works commenced	Total	Remarks.
										318399	
For Miscellaneous.		President Fort St. George.	40	Facing the curtain of Fort Saint George with Portland Cement.	5000	.	.	.	5,000	5,000	Item No 57 of Appendix to G.O. No 2497 Dt 27 th September 1886.
		North Wharf Arsenal.	41	Draw Bridge & Gate for the Fort	6450	.	.	.	6450	6450	G.O. No 528 Dt 7/3/88 Item No 58 of —do—
		President Fort Saint George.	42	Demolition of Wallajah pavilion & two turrettes	34000	.	.	.	10,000	10,000	Item No 59 of —do—
		—do—	do	43	Constructing Draw Bridge to North Gate	2680	.	.	.	2680	2680	Estimate will be Submitted.
										4527	
					Total Major original works.					342529	

71

Fifth Circle.

Imperial Military Works.

Detail of the Estimate of Original works for 1887-88.

Head of Expenditure	Presidency Division	Local Agency	Item No.	Projects & Works.	Amount of Estimate	Outlay. Actual to end of 1885-86.	Outlay. Probable during 1886-87.	Grant 1887-88. Works in Progress	Grant 1887-88. Works not commenced	Grant 1887-88. Total	Remarks.
				Original Projects & Works.							
				Presidency Division			1123			25000	
				Chingleput Division						10,000	
				North Arcot Division			1607			4,000	
										Total Original works 39000	
				Repairs.							
				Presidency Division			175,000			170,000	
				Chingleput Division			30,000			35,000	
				North Arcot Division			3,000			3,000	
				South Arcot Division			200			170	
										Total Repairs 208170	

Supdg Engrs Office
5th Circle
Dated 17th October 1886.

To
The Chief Engineer
P.W. Department

W.H. Breton 1886.
Supdg Engineer 5th Circle

From
The Supg: Engineer
5th Circle

To

The Chief Engineer
P.W. Department

Dated 19th October 1886.
Recd. 19th
No 3587

Detail of Budget
Estimate of works
under Imperial Mils
Navy. for 1887-88.

220

No. 3588. Fifth Circle

Statement shewing the probable Expenditure on works during 1886-7

Imperial Military.

Div	Names of works.	amount of Estimate	Expenditure up to end 1885-86	Current years Grant.	Probable Expenditure in 1886-87	Remarks
						75
	Imperial Military					
	Major original works.					
Presidency	Armament of Fort St. George	42,035	37435	100	100	
	Alterations to the Coast batteries at Madras	14265	6219	8046	8046	
	Fortified post at Agaram Bangalore	39,180	37317	1880	"	Rs 1880 are now surrendered as guard room & fire Engine shed are not required & the latrine having been built in 1885-86.
	Improving Water Supply Ft. St. George	6445	"	6445	6445	
	Alterations & additions to Blocks of married Quarters & to the buildings occupied by the Offices of the Surgeon-General &c		"	17740	17740	If Estimate is sanctioned quickly & sanction notified by telegraph.
	Stables for 66 Extra horses British Cavalry at Bangalore	5920	"	5242	5242	
	Alterations to the British Cavalry Barracks at Bangalore	260	"	710	260	Rs 450 are now surrendered
	Additions to the Military Prison at Bangalore	8325	"	8325	8325	

Imperial Military.

No. 3588 Fifth Circle

Statement shewing the probable Expenditure on works during 1886-7

Div	Name of works.	amount of Estimate	Expenditure up to end 1885-86	Current years Grant.	Probable Expenditure in 1886-87	Remarks
	Minor New works		-	1123	1123	
	Presidency division		"	"	"	
	Chingleput do			1607	1607	
	North-arcot division		-	-		
	South-arcot division					
	Repairs					
	Presidency division		-	175,000	175,000	
	Chingleput do			30,000	30,000	
	South-arcot do		-	200	444	Rs 244 are now applied for.
	North arcot do			3000	3000	

W H Bruton
Lieut R.E.
Superintending Engineer
5 Circle

Supdg Engrs Office
5th Circle
17th October
1886

To
The Chief Engineer
P.W.D.

K.S.

From
The Supt. Engineer
5th Circle

To
The Chief Engineer
P. W. Dept.

Dated 17th October 1896.
Recd.
Dpd 19th No. 3588.

Imperial Military

Statement showing
the probable expenditure
on works during 1896-97.

B/

19 OCT 96

26

Imperial
Military Works-

VI^a Circle
Part I

Detail of Budget Estimate for Original works for the year 1887-88.

79

Head of Classification Executive Division	Locality	Item No.	Projects & Works	Amount of Estimate	Actual Charge of 1885-86.	Probable outlay during 1886-87	Grant for 1887-88 Works in Progress	Works not Commenced	Total	Item No.	Remarks and references.
			Imperial ordinary Military Original Works.								
Accommodation for troops Buildings for Native Troops Spriedhimsbolly		1	Constructing masonry drains for the drainage of the new lines for a Regiment of native Infantry	9000	4907	4093	-	4093	1	Para 2 of G.C. No. 150 of 14-6-86. An Estimate providing for brick drains was sent to the Asstt. Quarter Master General, but it has been returned with a request that an estimate for Stone drains may be submitted for comparison.	
			Total Military Original Works			4093	-	4093	-		

78

Dated the 30th October 1886.

Recd 1/11-

Superintending Engineer
VI Circle

VI: Circle

Statement to accompany Budget Estimate for Imperial Military for 1887-88 - Vide G. O No 2288W/ 16-8-83.

81

No.	Names of Works	Amount approved of - mate Estimate sitting in 1886-87	Proposed exp- diture 1887-88	Remarks.
	Imperial Ordinary			
	Military			
	Original Works			
1	Constructing masonry drains for the drainage of the new lines for a regiment of native Infantry	9000	4907	4093 Para 2 of G. O No 1502W/ of 14-6-86. An Estimate providing for brick drains was sent to the Asstt Quarter Master General, but it has been returned with a request that an Estimate for Stone drains may be submitted for comparison.
	Total Rupees			4093

Dindigul 30: October 186.
Desp 1/11.

L W Martin
Officiating Supt Engineer
Ju Circle

No. 1094. 7/

From

The Supt. Engineer
6th Circle

To

The Chief Engineer
D. P. W.

Dated 30th
Recd. 1/11
Recd } October/86

6th Circle

Imperial Budget
Estimate for
1887-88.

Imperial
Military

VIth Circle
Part II

8 V

Detail of Budget Estimate for Repairs for the year 1887-88.

Head of classification	Division	Locality	Items	Estimate 1887-88 Amount	Estimate 1887-88 Total	Estimate 1886-87 Amount	Estimate 1886-87 Total
			Imperial Ordinary				
			Military				
Trichinopoly	Trichinopoly		Accomodation for Troops	3800		3800	
			Military Roads				
Do.	Do.		Cantonment Roads	1200		1200	
Tanjore	Kumba-Konum		Hire of quarters for the accomodation of the medical Subordinates	360		600	
Negapatan	Negapatan		House rent to be paid to two Sergeant Instructors attached to 1st D. Ry Vol. Rifle Corps	360			
Madura	Madura		Do one Do at Madura	180		390	
					5900		5990

Duplicate
30: October/86
Despd 1/11

Executive
Offg Superintending Engineer
for Circle

6th Circle

Budget Estimate

Imperial Militia

for

1887 — 88.

Statement of major works proposed to be carried out in 1887-88 to accompany letter No. 4067 dated 18th Nov/86 to the Quarter Master General

Executive Division	Locality	Item No.	Projects and works.	Amount of estimate	Outlay up to probable 1885-86	Outlay during 1886-87	Proposed grant for 1887-88
Presidency	Bangalore	B 1	Alterations and additions to mud houses, Parade barracks.	12,500	7946	"	4554
Do	Fort St. George	B 2	Converting a pacquet court into a covered gymnasium	11890	2040	280	9570
Do	Bangalore	A 3	Public buildings for one regiment of native infantry	21,636	"	10,000	11,636
Ipichinopoly Nilgiri	Ipichinopoly	A 4	Construction of stone drain	"	4907	5140	
	Wellington	B 5	Quarters for three apothecaries	"	"	16,000	
Presidency	Fort St. George	B 6	Remodelling drainage	"	"	10,000	10,000
Do	Bangalore	B 7	Public buildings for a regiment of native cavalry	30,990	"	15,000	15,000
Do	Do	B 8	Store rooms and workshops for the Pioneer regiment	"	"	3,000	
Do	Madras	B 9	Coal Store Ordnance Department	—	"	9000	
Do	Fort St. George	B 10	Facing the enceinte of Fort Saint George with Portland cement	"	"	6000	5000
Bellary	Bellary	B 11	Collimator and wheeled stage Royal Artillery	5663	"	5663	
							25000

Statement of Major works proposed to be carried out in 1887-8 to accompany letter No 4067 C dt 18 Nov 86 to the Quarter Master General

Executive Division	Locality	Item No	Projects and works	Amount of estimate	Outlay up to 1885-86	Outlay probable during 1886-87	Proposed grant for 1887-88.
Bellary	Bellary B	12	Twelve Staff Sergeants' quarters, Ordnance Department			10,000 ~~15,000~~ -5000	5,000
Chingleput	St. Thomas Mount	13	A wheeler and collar-makers shop, West barracks	5660	"	5660	5660
North Arcot	Vellore	B 14	Draw-bridge and gate for the fort	6450	"	6450	6450
							87,110
West Coast	Mediapalam	X	Barracks for accommodating Conja 50 men and a canteen				
Pondicherry	Fort St. George Madras		Adapting the existing magazine for the reception of powder for Fort ornament				

Xd

Lit.
P.II.95

87

Statement of Major works proposed to be carried out in 1887-88 to accompany letter No: dy to the Quarter Master General

Executive Division	Locality	Item No:	Projects and works.	Amount of estimate	Outlay up to 1885-86	Outlay probable during 1886-87	Proposed grant for 1887-88	
Presidency	Bangalore	1	Alterations and additions to wash houses, Parade barracks	12,500	7,946	"	4,554	B
Do	Fort Saint George	2	Converting a racquet court into a covered gymnasium	11,890	2,040	280	9,570	B
Do	Bangalore	3	Public buildings for one regiment of native infantry	21,636	"	10,000	11,636	A
Trichinopoly	Trichinopoly	4	Construction of stone drains	"	"	4,907	5,140	A
Nilgiri	Wellington	5	Quarters for three ~~[illegible]~~ apothecaries	"	"	"	16,000	B
Presidency	Fort Saint George	6	Remodelling drainage	"	"	"	10,000	B
Do	Bangalore	7	Public buildings for a regiment of native cavalry	30,990	"	"	15,000	B
Do	Do	8	Store rooms and workshops for the Pioneer regiment	"	"	"	3,000	B
Do	Madras	9	Coal store, Ordnance Department	"	"	"	9,000	B
Do	Fort Saint George	10	Facing the enceinte of Fort Saint George with Portland cement	"	"	"	5,000	B

W

Please see the remark in the corrected list where the amount of the Estimate is entered as Rs 21636.

88,900

Statement of major works proposed to be carried out in 1887-88 to accompany letter No: dy to the Quarter Master General.

89

Executive Division	Locality	Item No:	Projects and works.	Amount of estimate	Outlay up to 1885-86	Outlay probable during 1886-87	Proposed grant for 1887-88	
							88,900	
Bellary	Bellary	11	Collarmaker and wheeler's shop, Royal Artillery	5,663	"	"	5,663	B
Do	Do	12	Twelve staff sergeants' quarters, Ordnance Department				15,000	B x
Chingleput	St. Thomas's Mount	13	A wheeler and collar-maker's shop, West barracks	5,660	"	"	5,660	B
North Arcot	Vellore	14	Draw-bridge and gate for the fort	6,450	"	"	6,450	B
			Total				121673	

Lucas 17.11.86.

H 5/11

ob

Public Works Department

Railways.

Accounts.

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

No. 1672-M-W.

GOVERNMENT OF INDIA.

MILITARY DEPARTMENT.

Extract from the Proceedings of the Government of India in the Military Department,—(under date Simla, the 1st November 1886).

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.

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.

ORDER.—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 the Accountant General, Military Department, for information.

Major-General,
Secretary to the Government of India.

G. C. B. Press, Simla.—No. 1934 M. D.—2-11-86.—360.

To The Secretary to the Government of Madras
Public Works Department

Through the Secretary to Govt. Military Department

QUARTER MASTER GENERAL'S OFFICE,

~~Octacamund~~, Bangalore

1st December 1887.

No. 513.

From Brgr: General. E. Faunce.

Offg: ~~The~~ QUARTER MASTER GENERAL,

To

THE Secretary to Government

Public Works Department.

SIR,

I have the honor, by order, to acknowledge the receipt of your letter No. 4084 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 1 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

Grace

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.

*Pg (Mily) No. 7124 dated 15th Nov 1886

II Similarly General Rowlands would wish that provision should be made for adapting the existing Magazine in Fort Saint George for storage of powder for Fort Armament, a work which the Government of India require 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* be omitted, and that the allotments made to the works Items 7, and 12 be reduced by Rs 5000/- each if necessary, so as to meet the probable demands for the 2 works to be inserted — Item No. 10 being retained if possible to meet

*(Herewith returned)

requirements

requirements without making use of the grant proposed for it.

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 British Troops consequent on augmentation as may remain unexpended at the end of the current year; for 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: 7946/- 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.

Forwarded.

Alexander Herbert Lieut Col
Secretary to Govt.

Fort St George
3rd December/86

I have the honor to be
Sir
Your Obedient Servant
L. Thuillier Brgr: General
Offg: Quarter Master General.

Gn

95

2497-84 25-9-86.
3093-W 30-12-85
4067 C 10-11-86
2292-3 W 29-8-86

P. W. — 1886 — Sept
P.W.C. No 9505
W.

From

THE QUARTER MASTER GENERAL,

To

THE Secy to Govt
P.W.D.

SECRETARIAT DEPARTMENT
4 DEC

No. 517

Dated 1
Received } December

ENCLOSURES. 1

Returning with remarks statement of Major Works proposed to be carried out in 1887-88

PUBLIC WORKS DEPARTMENT.

Genl
Read

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 4 December 1886

READ the following

From the Supdg. Engr. I Circle No. — dy 1st November 86.
" " — do — II " " " — dy 22nd Oct. 86
" " — do — III " " " — dy 20th Sept. 86
" " — do — IV " " " — 378 E.W dy 9th Oct. 86
" " — do — V " " " 3587 } dy 17th Oct. 86
" " — do — do — " " " 3588 }
" " — do — VI — " " " 1094 I.J dy 30th Oct. 86
From the Govt. of India Mily. Dept. 672 M.W dy 1st Nov. 86
" " Quarter Master General " 51. I dy 1st December 86

The grant of Rs 550,000 provisionally sanctioned by the Government of India in their resolution recorded above for expenditure on Military works in this Presidency during 1887-88,

with

will be distributed as shewon below, under departmental heads:—

Works	Rs 442,550
Establishment "	103,030
Tools and Plant "	4420
Total Rs	550,000

2. Of the sum of Rs 442550 available for works, Rs 300,000 for repairs and Rs 20987 for minor original works have been set aside, and the balance Rs 121563 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

early next year on receipt of detailed proposals from the Supdg: 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~~ commanding Divisions and Districts.

97

3. The Supdg: 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 Esta-
=blishment and Tools and
Plant) was provided for
the marginally noted
buildings required in con-
=nection with the in=
=creased strength of
British troops. For causes
mentioned in para. 7 of
the Quarter Master 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
review next year, such
portion of the grant which
may remain unspent.

5. The special attention
of the Government of India
will

* Alterations & additions to
(1) blocks of married
quarters and to the
buildings occupied by
the offices 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.

will be drawn to the
remarks in paras 2 and 3
of the Quarter Master
General's letter. &c

6. With reference to
para 8 of the Quarter Master
General's letter, the Supdg:
Engineer, X Circle, will
furnish the details of the
expenditure of Rs 7946
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 6,15,85, the difference
having been withdrawn by
the Government of India.

8. With these remarks
the preliminary issue of

the

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.

(No. 3327 W&/17-12-1886)

To

The Secretary to the
Government of India
Mily: Dept:

Sir,

With reference to Government of India Resolution No 1672 M.W & of 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

To
Supdg: Engineers
Examiner P.W. Accts:
Military Dept:
Financial Dept:

99

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 paras 2 & 3 of the Quarter Master General's letter No. 51.J 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&/25 Sept. 86.

+ No 3326 W&/17-12-86.

	Demands	Provisional grant
	Rs	Rs
Major Works	4,85,730	1,21,563
Minor Works	1,20,000	20,987
Repairs	3,50,000	3,00,000
Establishment	21,917	1,30,30
Tools & Plant	9553	4,420
Total	11,85,100	5,50,000

The

The grant for 1887-88 is thus 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 dy 25 Septr 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

the Commander-in-Chief, and I am to request 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

of India to the remarks in para 4 of the Quarter master General's letter relative to the removal next year of the un-expended 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 10 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

Garrison of Bangalore, a work essential to the health of the troops at that station.

Jan 16/12/86.

101

Cr

102

Passé au Conseil
du
16/12/88

13 D
17[illegible]

9575

Govt. of (1886) Madras.

PUBLIC WORKS.

Dated 9 August 1886

Read 18 Aug 1886

G.O., 17 Dec 1886. No 3326
3327 "

2nd P.W. 10/12

Budget Estimate
=
Imperial military works
for 1887-88.

orders on the
preliminary issue of
the —.

Budget Estimate
=
Imperial military works — for
1887-88. Copies of the
preliminary issue of
the — forwarded for
the post of Secretary
with orders &c.

Copy 17/12