(1) பக்கங்களின் எண்ணிக்கை 20

(2) புதுக்கித் திருப்பிய நாள் 5.12.88

(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம்

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

P.W.D. துறை

அரசாணை எண். மு. கோப்புத் தாள் எண்.	1859 60	அச்சகம் பலவகை

நாள் : 11.7.1887 198 .

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

ஆவண. கா-1—18,000—15-6-87.

1887 B 6 1

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

READ—the following papers:—

From Colonel H. M. VIBART, R.E., Superintending Engineer, V Circle, to the Chief Engineer, Public Works Department, dated Bangalore, 9th June 1887, No. 1177.

With reference to G.O., No. 1160 W., dated 28th April 1887, paragraph 3, I have the honor to report that the amount of Rs. 4,740, sanctioned for the store-rooms and workshops for the Pioneer regiment at Bangalore, can be reduced by substituting brick-in-mud for stone-in-mortar and jungle-wood for teak-wood; but the deviation would not be advantageous, as it will cost as much, if not more, for repairs hereafter.

2. It would be well, therefore, if the original sanctioned estimate is carried out without deviation.

G.O., dated 21st June 1887, No. 3633, Military.

Read—the following letter from Brigadier-General E. FAUNCE, Quartermaster-General, to the Secretary to Government, Military Department, dated Ootacamund, 26th May 1887, No. 1947 A:—

Referring to G.O., No. 1315, of 5th March 1887, I am desired to state that, inasmuch as the 1st Pioneers have on their hands the work of finishing their lines (begun by the 14th Madras Infantry), and, moreover, have hitherto had no training in building work, His Excellency the Commander-in-Chief considers it undesirable that the regiment should attempt the construction of the workshops.

2. Adverting to paragraph 3 of G.O., No. 1160 W., of 28th ultimo (Military No. 2867 of 16th instant), circulating the final issue of the budget for 1887-88, I am further to state that the Commander-in-Chief doubts if the Superintending Engineer will find it possible to reduce the estimate for the work from Rs. 4,740 to Rs. 3,000, unless by some reduction of space allowed for the different shops, which His Excellency would deprecate, being of opinion that not only are the shops as originally designed all essential, but that, in view of the large amount of leather equipment in a Pioneer regiment, and the frequent necessity of effecting repairs to the same, the addition of a "chuckler's" shop should be made to them.

3. The General Officer Commanding Bangalore Division has already been desired to submit a revised plan and estimate to include this additional shop.

Order—dated 21st June 1887, No. 3633, Military.

Communicated to the Public Works Department, with reference to paragraph 2 of proceedings of Government, No. 534 W., dated 24th February 1887.

(True Extract.)

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

From the Superintending Engineer, V Circle, dated 2nd July 1887, No. 1481.

1859860
2

ORDER—dated 11th July 1887, No. 1859 W., Public Works.

Ordered that the following letter be sent to the Government of India, with reference to the remark in paragraph 3 (ii) of their resolution,* No. 607 M.W., dated 18th March 1887, on item No. 7, class B works, in the final issue of the Imperial military works budget for 1887-88.

* Proceedings of Government, No. 1160 W., dated 28th April 1887.

(Here enter No. 1860 W., dated 11th July 1887.)

(True Extract.)

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

To the Superintending Engineer, V Circle.
,, Examiner, Public Works Accounts.
,, Military Department, with copy of letter to India.

Exd. E. Fernandez.
Spare Copies

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of [1887] Madras.

PUBLIC WORKS.

Dated July, 11th.

Read. *Encl.*

G.O., 11th July 1887, No. 1859 W.

JULY.

Store-rooms and Workshops for the Pioneer Regiment at Bangalore

The Government of India to be addressed with reference to their order that no excess over the budget allotment of Rs. 3,000 for the — should be permitted to take place.

11TH JULY 1887, No. 1860 W., PUBLIC WORKS.

1859 & 60/3

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

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 the remark in paragraph 3 (ii) of Government of India resolution, No. 607 M.W., dated 18th March 1887, to the effect that the provision of Rs. 3,000 made in the military works budget for store-rooms and workshops for the Pioneer regiment at Bangalore seems too high, and that no excess over the budget allotment can be permitted, I am directed to state that the sanctioned * estimate for the work amounts to Rs. 4,740, and to forward copies† of letters from the Quartermaster-General and the Superintending Engineer, V Circle, from which it will be seen that not only can no reduction in the estimate be effected with advantage, but that certain additional work will be needed to meet the requirements of the regiment. I am therefore to request that the condition attached to the budget grant may be withdrawn, and that the work may be proceeded with in accordance with the estimate.

* Proceedings of Government, No. 534 W., dated 24th February 1887 (copy attached).

† Proceedings of Government, No. 1859 W., dated 11th July 1887.

2. The favor of an early reply is requested.

I have the honor to be,

Sir,

Your most obedient servant,

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

OOTACAMUND,
11th July 1887.

Exd. E. Fernandez.
Spare Copies

188980
1

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1887} Madras.

PUBLIC WORKS.

Dated July, 11th.

Read. *Encl.*

G.O., 11th July 1887, No. 1860 W.

JULY.

Store-rooms and Workshops for the Pioneer Regiment at Bangalore

The Government of India requested to permit expenditure being incurred on the — up to Rs. 4,740, which is the amount of the sanctioned estimate.

1887/5

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

READ—the following papers :—

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

MADRAS.

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

Read—

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

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

REVENUE.

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

EXPENDITURE.

Budget Estimate, 1887-88.

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

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

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

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

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

Revised Estimate for 1886-87.

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

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

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

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

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

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

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

(True Extract.)

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

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

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

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

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

* To Simla	20
" Calcutta	25
	45

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

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

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

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

‡ G.O., No. 2497 W., dated 25th Sept. 1886.
" " 3326 W., " 17th Dec. "

5. The modifications of grants necessary to meet the increased rate of contribution to Provincial on account of tools and plant sanctioned by the Government of India—*vide* G.O., No. 881 W., dated 23rd March 1887, will be made in separate proceedings.

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

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

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

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

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

(True Extract.)

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

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

Exd. P. L. Pereira.
Spare Copies.

1869 $60
7

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1887} Madras.

PUBLIC WORKS.

Dated April, 28th.

Read. *Encl.*

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

APRIL.

Budget Estimate

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

30TH DECEMBER 1885, No. 3092 W., PUBLIC WORKS.

1885/8

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following papers:—

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

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

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

Resolution—

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

	Rs.
Reserved with the Government of India	4,00,000
Central India	1,50,000
Hyderabad	3,10,000
Rajputana	1,75,000
Military Works Department	57,50,000
Central Provinces	1,50,000
British Burma	3,60,000
Assam	1,50,000
Bengal	60,000
North-Western Provinces and Oudh	1,12,000
Punjab	2,80,000
Madras	6,50,000
Bombay	14,58,000
Total ...	100,00,000

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

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

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

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

Order—

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

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

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

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

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

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

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

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

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

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

	Rs.
Original Works, Major	2,29,616
Do. Minor	22,000
Repairs	2,71,368
Establishment	1,21,736
Tools and plant	5,230
Total ...	6,50,000

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

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

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

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

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

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

(True Extract.)

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

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

Exd. A. Raitt.
Spare Copies

PRELIMINARY ISSUE.

IMPERIAL.
MILITARY WORKS.

MADRAS.

1886-87/10

PUBLIC WORKS DEPARTMENT.

IMPERIAL BUDGET-ESTIMATE

OF

MILITARY WORKS

OF THE

GOVERNMENT OF MADRAS

FOR THE YEAR

1886-87.

CHEPAUK,
30th December 1885.

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

IMPERIAL.
MILITARY WORKS.

MADRAS.

1878/11

CONTENTS.

	PAGE
Abstract of the Budget-Estimate of Revenue	2
Ditto ditto of Expenditure	3
Details of the Budget-Estimate of Expenditure—	
Part I.—Detail of Estimate for Original Works, Class A	4 & 5
Ditto ditto Class B	6 & 7
Appendix to above—	
Appendix B.—List of Class C Works	8 to 13

IMPERIAL.
MILITARY WORKS.

MADRAS.

REVENUE.

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

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

CHARGES.

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

	Reference to Detailed Estimate.	Budget-Estimate, 1886-87.	Revised Estimate, 1885-86.	Budget-Estimate, 1885-86.	Actuals, 1884-85.
		Rs.	Rs.	Rs.	Rs.
Original Works. In progress ...	...	91,609	1,60,588	2,09,646	2,09,361
Original Works. Not commenced.	...	1,60,007			
Repairs ... Ordinary ...	...	2,71,368	1,71,311	2,94,549	2,83,366
Repairs ... Special ...	...				
Establishment	...	1,21,786	54,285	1,20,563	1,14,345
Tools and Plant	...	5,230	3,506	5,242	4,925
Suspense Account	...	...	...	...	...
Total ...	...	6,50,000	4,50,000	6,50,000	6,12,007

IMPERIAL.
MILITARY WORKS.

MADRAS.

1886/10

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

	Budget-Estimate, 1886-87. Original Works. In progress	Not commenced.	Total.	Repairs.	Establishment.	Tools and Plant.	Suspense Account.	Harbour Department.	Total.	Revised Estimate, 1885-86.	Budget-Estimate, 1885-86.	Actuals, 1884-85.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Provision from Imperial Funds.												
In India ...	91,609	1,60,007	2,51,616	2,71,368	1,21,786	5,230	.....	.....	6,50,000	4,50,000	6,50,000	6,12,007
In England ...	...	...	...	...	...	...	...	...	...	...	...	250
Total ...	91,609	1,60,007	2,51,616	2,71,368	1,21,786	5,230	.....	.....	6,50,000	4,50,000	6,50,000	6,12,257
Provision from Contributions.												
In India ...	...	...	...	...	...	...	.....	.....	...	...	...	261
Grand Total	91,609	1,60,007	2,51,616	2,71,368	1,21,786	5,230	.....	.....	6,50,000	4,50,000	6,50,000	6,12,018

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

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

IMPERIAL.
MILITARY WORKS.

MADRAS.

1889/60/13

PART

DETAIL OF THE BUDGET-ESTIMATE FOR

CLASS A

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.
					Rs.
				IMPERIAL ORDINARY.	
				Military.	
				Original Works.	
(1) *Accommodation for troops.*— Buildings for European troops in the plains. Permanent.	West Coast.	Malapuram ...	1	Constructing a barracks for a detachment of British Infantry to accommodate 100 men.	1,35,094
	Presidency.	Fort St. George.	2	Converting a racket court into a covered gymnasium.	11,890
	Chingleput.	St. Thomas' Mount.	3	New barracks for Royal Artillery...	1,46,910
	Do. ...	Do. ...	4	Constructing six blocks of stables for two field batteries of Royal Artillery.	21,702
Buildings for Native troops.	Presidency.	Bangalore ...	5	Public buildings for a regiment of Native Cavalry.	23,490
	Trichinopoly.	Trichinopoly...	6	Public buildings for two regiments of Native Infantry.	55,650
(2) Ordnance Works ...	Presidency.	Fort St. George.	7	Armament of Fort St. George ...	42,035
(4) Fortifications ...	Do. ...	Madras ...	8	Alterations to the Coast Batteries.	14,265
	Do. ...	Bangalore ...	9	Fortified post at Agram	58,790
				Total ...	...

[4]

I.

ORIGINAL WORKS FOR THE YEAR 1886-87.

WORKS.

Outlay.		Grant, 1886-87.			Item No.	Remarks and References.
Actual Total of 1884-85.	Probable during 1885-86.	Works in hand.	Works not commenced.	Total.		
Rs.	Rs.	Rs.	Rs.	Rs.		
83,531	31,448	29,115	...		1	G.O., No. 2845 W., dated 27th November 1885. Item No. 2, class A works, budget of 1885-86.
...	2,000	9,500	...		2	G.O., No. 1552 W., dated 20th June 1884. Item No. 1, class B works, budget of 1885-86.
97,379	22,458	27,073	...		3	G.O., No. 1274 W., dated 2nd October 1885. Item No. 1, class A works, budget of 1885-86.
10,000	9,160	2,542	...	59,626	4	G.O., No. 2561 W., dated 2nd November 1885. Item No. 2, class B works, budget of 1885-86.
...	...	...	14,000		5	G.O., No. 1552 W., dated 20th June 1884. Item No. 4, class B works, budget of 1885-86.
12,729	3,370	18,000	...	32,099	6	G.O., No. 2194 W., dated 5th September 1884. Item No. 3, class A works, budget of 1885-86.
8,036	31,035	2,964	...	2,964	7	G.O., No. 2970 W., dated 19th October 1883. Item No. 4, class A works, budget of 1885-86.
...	8,240	6,025	...		8	G.O., No. 2126 W., dated 11th September 1885.
34,467	3,020	5,000	...	11,025	9	G.O., No. 3059 W., dated 18th December 1885. Further estimates are awaited.
...	...	91,609	14,000	1,05,609		

[5]

IMPERIAL.
MILITARY WORKS.

PART

DETAIL OF THE BUDGET-ESTIMATE FOR
CLASS I

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.
					Rs.
				IMPERIAL ORDINARY.	
				Military.	
				Original Works.	
(1) *Accommodation for troops*—	Bellary ...	Bellary ...	1	Reconstructing double apothecaries' quarters, station hospital.	6,222
Buildings for European troops in the plains. Permanent.	Nilgiri ...	Wellington ...	2	Hospital accommodation for women and children.	3,036
	Presidency ...	Fort St. George.	3	Improving water-supply	6,445
	Do. ...	Do. ...	4	Alterations necessary towards rendering the offices of the Accountant-General and Controller of Military Accounts suitable for occupation by troops.	...
	Do. ...	Bangalore ...	5	Additions to the Military prison ...	8,325
	Chingleput...	St. Thomas' Mount.	6	Constructing a coffee shop with kitchen for the upper story barracks.	6,690
Buildings for Native troops.	West Coast.	Quilon ...	7	Constructing a regimental store-shed.	9,334
	Presidency.	Bangalore ...	8	Public buildings for one regiment of Native Infantry.	21,636
(2) Ordnance Works...	Do. ...	Fort St. George.	9	Constructing a new magazine in the Wallajah berm.	...
	Do. ...	Madras ...	10	New wheelers shop, Gun Carriage Factory.	7,370
	Chingleput.	St. Thomas' Mount.	11	Alterations to racks in the Ordnance Magazine.	2,505
(4) Fortifications ...	North Arcot.	Vellore ...	12	Draw-bridge and gate for the Fort.	6,450
			13	Minor works	...
				Total ...	...
				Grand Total ...	...

MADRAS.

1857/6
1857/14

I—*cont.*

ORIGINAL WORKS FOR THE YEAR 1886-87.

WORKS.

Outlay.		Grant, 1886-87.			Item No.	Remarks and References.
Actual to end of 1884-85.	Probable during 1885-86.	Works in progress.	Works not commenced.	Total.		
Rs.	Rs.	Rs.	Rs.	Rs.		

IMPERIAL.
MILITARY WORKS.

APPENDIX

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

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.
					Rs.
				IMPERIAL ORDINARY.	
				MILITARY.	
				Original Works.	
(1) *Accommodation for troops*— Buildings for European troops in the plains. Permanent.	Bellary ...	Bellary ...	1	Improving the system of water-supply to British Infantry Barracks.	...
	Do. ...	Do. ...	2	Alterations to prisons and adjoined buildings.	...
	Do. ...	Do. ...	3	New gunshed with collarmakers' and wheelers' shop for the Royal Artillery.	5,663
	Do. ...	Do. ...	4	Swimming-bath, British Infantry.	7,64[illegible]
	Do. ...	Do. ...	5	Infectious disease ward, station hospital.	6,140
	Do. ...	Do. ...	6	Armourer's shop, 2nd Light Cavalry.	2,695
	Nilgiri ...	Wellington ...	7	Gymnasium	...
	Do. ...	Do. ...	8	Drinking-water to be laid on to hospital.	...
	Do. ...	Do. ...	9	Lock hospital	...
	Do. ...	Do. ...	10	Constructing quarters with out-houses for a Barrack Sergeant.	7,348
	West Coast	Cannanore ...	11	Plunge-bath for British Infantry.	4,640
	Do. ...	Do. ...	12	Improving latrines for British Infantry.	2,780
	Presidency.	Fort St. George.	13	Drainage of fort and barracks ...	...
	Do. ...	Do. ...	14	Wash-house outside the barracks ...	...
	Do. ...	Do. ...	15	Garrison bazaars to be done away with and new cook-houses built.	...
	Do. ...	Do. ...	16	Converting A, B, C, and D, blocks into barracks and quarters for a regiment of British Infantry and Garrison Battery of Royal Artillery.	...
	Do. ...	Bangalore ...	17	Schoolmaster and mistress' quarters, Royal Artillery.	...
	Do. ...	Do. ...	18	Quarters for the senior apothecary, north station hospital.	5,300
	Do. ...	Do. ...	19	Quarters for the assistant apothecary, north station hospital.	4,773
	Do. ...	Do. ...	20	Constructing a fourth-class gymnasium.	44,600
	Do. ...	Do. ...	21	Parade barracks—alterations and additions to wash-houses.	12,500
				Carried over ...	

1886/15

B.

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

Outlay.		Amount applied for 1886-87.			Item No.	Remarks and References.
Actual to end of 1884-85.	Probable during 1885-86.	Works in progress.	Works not commenced.	Total.		
Rs.	Rs.	Rs.	Rs.	Rs.		
...	...	...	5,350	...	1	Estimate is awaited.
...	...	...	11,260	...	2	Estimate is awaited.
...	...	...	5,663	...	3	G.O., No. 914 W., dated 3rd April 1884.
...	...	...	5,000	...	4	G.O., No. 2454 W., dated 19th October 1885.
...	...	...	5,000	...	5	G.O., No. 330 W., dated 7th February 1884.
...	...	...	2,695	...	6	G.O., No. 2266 W., dated 14th September 1881. Item No. 5, Class B works, budget of 1885-86.
...	...	...	10,000	...	7	Estimate is awaited.
...	...	...	5,000	...	8	Estimate is awaited.
...	...	...	4,180	...	9	Estimate is awaited.
...	...	...	7,348	...	10	G.O., No. 1941 W., dated 21st August 1885.
...	...	...	4,640	...	11	G.O., No. 418, dated 16th February 1876.
...	...	...	2,780	...	12	G.O., No. 1056, dated 4th April 1879.
...	...	...	10,000	...	13	Estimate is awaited.
...	...	...	2,500	...	14	Estimate is awaited.
...	...	...	4,500	...	15	Estimate is awaited.
...	...	...	4,200	...	16	Estimate is awaited.
...	...	...	6,200	...	17	Estimate is awaited.
...	...	...	5,300	...	18	G.O., No. 3385, W., dated 27th November 1883.
...	...	...	4,773	...	19	G.O., No. 938 W., dated 5th April 1884.
...	...	...	...	...	20	G.O., No. 1560, dated 21st June 1876.
1,788	...	42,812	...	...	21	G.O., No. 1102 W., dated 7th May 1880.
7,946	...	4,554	...	...		
		47,366	1,06,389			

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

APPENDIX B.

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.
					Rs.
				Brought forward ...	
				IMPERIAL ORDINARY—*cont.*	
				MILITARY—*cont.*	
				Original Works—cont.	
(1) *Accommodation for troops*— Buildings for European troops in the plains. Permanent.	Chingleput.	St. Thomas' Mount.	22	A wheeler's and collarmaker's shop for the new Artillery barracks.	5,660
	Do. ...	Do. ...	23	Raising the roof of harness room, troop-lines.	4,200
	Do. ...	Do. ...	24	Woolen shed at the proof range ...	2,820
	Do. ...	Do. ...	25	Converting the disused gunshed into a coffee shop, recreation room and library.	2,320
	Do. ...	Pallávaram ...	26	Mortuary rooms for hospitals ...	...
	Do. ...	Do. ...	27	Constructing an armourer's shop ...	2,880
	Do. ...	Poonamallee.	28	Constructing a new double storied barracks.	1,66,835
	Do. ...	Do. ...	29	Providing lightning conductors to the hospital.	...
Accommodation for Native Troops.	Vizagapatam.	Vizianagram...	30	Regimental store-room for Native Infantry.	3,480
	Bellary ...	Bellary ...	31	School-house for a Regiment, Native Infantry.	3,030
	Presidency.	Madras (Rāyapuram).	32	Flushing drains for Native Infantry lines.	4,300
	Do. ...	Bangalore ...	33	Store-rooms and workshops for the Pioneer Regiment.	...
(2) Ordnance Works.	Chingleput.	Pallávaram ...	34	Magazine for a Native Infantry Regiment.	...
	Presidency.	Madras ...	35	Wall round the Gunpowder Factory.	...
	Do. ...	Do. ...	36	Extra accommodation as store-room in the Gun Carriage Factory.	...
	Do. ...	Do. ...	37	Improvements to the barrel machine shop of the Gun Carriage Factory.	4,030
	Do. ...	Do. ...	38	Improvements to the Gunpowder Factory.	2,52,412
	Do. ...	Do. ...	39	Dried deposit magazine, Gunpowder Factory.	3,975
	Do. ...	Do. ...	40	Gun drying house for store.	...
	Do. ...	Do. ...	41	Alterations to the roof of the final dusting-house.	...
				Carried over ...	

1898 EE 16

B—*cont.*

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

Outlay.		Amount applied for 1886-87.			Item No.	Remarks and References.
Actual to end of 1884-85.	Probable during 1885-86.	Works in progress.	Works not commenced.	Total.		
Rs.	Rs.	Rs. 47,366	Rs. 1,06,389	Rs.		
...	...	...	5,660	...	22	G.O., No. 2717 W., dated 3rd November 1884.
...	...	...	4,200	...	23	G.O., No. 3137 W., dated 17th December 1881.
...	...	...	2,820	...	24	G.O., No. 3077 W., dated 13th December 1884.
...	...	...	2,320	...	25	G.O., No. 1234 W., dated 28th May 1885.
...	...	...	3,000	...	26	Estimate is awaited.
...	...	...	2,880	...	27	G.O., No. 3149 W., dated 22nd December 1884.
2,854	...	20,000	...	...	28	G.O., No. 465 W., dated 19th February 1879.
...	...	...	3,000	...	29	Estimate is awaited.
				1,97,835		
...	...	...	3,480	...	30	G.O., No. 2628 W., dated 27th October 1884.
...	...	...	3,030	...	31	G.O., No. 149 W., dated 17th January 1884.
...	...	...	4,300	...	32	G.O., No. 1937 W., dated 4th June 1884.
...	...	...	3,000	...	33	Estimate is awaited.
...	...	...	4,500	...	34	Estimate is awaited.
				18,310		
...	...	...	10,000	...	35	Estimate is awaited.
...	...	...	6,000	...	36	Estimate is awaited.
1,969	...	2,061	...	...	37	G.O., No. 2413 W., dated 16th September 1882.
2,23,985	2,000	20,000	...	...	38	G.O., No. 2707 W., dated 3rd November 1884. Item No. 5, Class A works, budget of 1885-86.
...	...	...	3,975	...	39	G.O., No. 302 W., dated 21st April 1885.
...	...	...	26,320	...	40	Estimate is awaited.
...	...	...	4,300	...	41	Estimate is awaited.
		89,427	1,93,374	2,16,145		

IMPERIAL.
MILITARY WORKS.

APPENDIX.

LIST OF WORKS (OR CLASS C WORKS) OMITTED FROM THE BUDGET-ESTIMATE OF 1886-87, 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.	
(2) *Ordnance Works.*	Presidency.	Tenampet ...	42	Constructing a wheat godown.	...
	Do. ...	Bangalore ...	43	Ordnance depôt buildings, Entrenchment.	...
(4) *Commissariat Buildings.*	Do. ...	Madras ...	44	Constructing a shed in the Camp Equipage Depôt.	...
	Do. ...	Do. ...	45	Lines for transport attendants ...	...
	Do. ...	Do. ...	46	Workshops and sheds for carts, doolies, &c., Transport Department.	...
	Do. ...	Bangalore ...	47	Quarters for a Conductor, Transport Department.	...
	Chingleput.	Guindy ...	48	Quarters for a station butcher ...	...
Fortifications.	Presidency.	Fort St. George.	49	Demolition of Wallajah Bavelin and two lunettes.	...
Miscellaneous.	Nilgiri ...	Ootacamund, Lowdale.	50	Water-supply, Lawrence Asylum.	...
				Total ...	...

[12]

MADRAS.

1886/60
17

B—*concld.*

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

Outlay.		Amount applied for 1886-87.			Item No.	Remarks and References.
Actual to end of 1884-85.	Probable during 1885-86.	Works in progress.	Works not commenced.	Total.		
Rs.	Rs.	Rs. 89,427	Rs. 1,99,374	Rs. 2,16,145		

FINAL ISSUE.

IMPERIAL.
MILITARY WORKS.

MADRAS.

1887 P.W.D. 18

PUBLIC WORKS DEPARTMENT.

IMPERIAL BUDGET-ESTIMATE

OF

MILITARY WORKS

OF THE

GOVERNMENT OF MADRAS

FOR THE YEAR

1887-88.

CHEPÂK,
28th April 1887.

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

IMPERIAL.
MILITARY WORKS.

MADRAS.

1898 86/19

CONTENTS.

	PAGE
Abstract of the Budget-Estimate of Revenue	2
Ditto ditto of Expenditure	2 & 3
Details of the Budget-Estimate of Expenditure—	
Part I.—Detail of Estimate for Original Works, Class A	4 & 5
Ditto ditto Class B	6 & 7
Appendix to above—	
Appendix B.—List of Class C Works	8 to 15

RIC-1020 3n5

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		41,060	1,55,200	2,08,035	1,86,232
Original Works. Not commenced. ...		1,01,540			
Repairs ... ... Ordinary		3,00,000	3,17,700	3,10,465	1,73,187
Repairs ... ... Special		...			
Establishment		1,03,000	1,17,500	1,20,700	83,263
Tools and Plant		4,400	5,000	5,200	3,563
Suspense Account		...	...	...	...
Total ...	...	5,50,000	6,25,400	6,44,400	4,46,245

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

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

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

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

IMPERIAL.
MILITARY WORKS.

PART

DETAIL OF THE BUDGET-ESTIMATE FOR
CLASS A

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.
					Rs.
				IMPERIAL ORDINARY.	
				Military.	
				Original Works.	
(1) *Accommodation for troops*—Buildings for European troops in the plains. Permanent.	West Coast.	Malapuram ...	1	Barracks for a detachment of British Infantry to accommodate 50 additional men.	1,35,802
Accommodation for Native troops.	Presidency.	Bangalore ...	2	Public buildings for a regiment of Native infantry.	21,636
	Trichinopoly.	Trichinopoly.	3	Construction of stone drains required for new lines.	...
				Total ...	...

1898/60
1891/41

I.
ORIGINAL WORKS FOR THE YEAR 1887-88.
WORKS.

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

IMPERIAL.
MILITARY WORKS.

PART

DETAIL OF THE BUDGET-ESTIMATE FOR

CLASS B

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.
					Rs.
				IMPERIAL ORDINARY.	
				MILITARY.	
				Original Works.	
(1) *Accommodation for troops*— Buildings for European troops in the plains. Permanent.	Bellary ...	Bellary ...	1	Collar maker and wheeler's shop, Royal Artillery.	5,663
	Nilgiri ...	Wellington ...	2	Quarters for three Apothecaries ...	...
	Do. ...	Do. ...	3	Quarters for a Barrack Serjeant ...	7,348
	Presidency.	Fort St. George.	4	Converting a racquet court into a covered gymnasium.	11,890
	Chingleput.	St. Thomas' Mount.	5	Removing and reconstructing 11 cook houses attached to P/1st, and Q/1st, Royal Artillery.	2, 970
Accommodation for Native troops.	Presidency.	Bangalore ...	6	Public buildings for a regiment of Native cavalry.	30,990
	Do. ...	Do. ...	7	Store rooms and workshops for the Pioneer regiment.	4,740
(2) *Ordnance Works* ...	Bellary ...	Bellary ...	8	Twelve Staff Sergeants' quarters, Ordnance Department.	...
	Presidency.	Fort St. George.	9	Adapting the existing magazine for storage of powder for Fort armament.	...
	Do. ...	Madras ...	10	Coal store, Ordnance Department.	...
(8) *Fortifications* ...	North Arcot.	Vellore ..	11	Draw bridge and gate for the Fort	6,450
				Minor Works and Reserve ...	...
				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.		
...	1,084	4,579	...		1	G.O., No. 914 W., dated 3rd April 1884. Item No. 3, class C works, budget of 1886-87.
...	...	...	16,000		2	Estimate is awaited.
...	3,213	4,135	...		3	G.O., No. 1941 W., dated 21st August 1885.
2,040	280	9,570	...		4	G.O., No. 1552 W., dated 20th June 1884. Item No. 17, class C works, budget of 1886-87.
...	...	...	2,970	37,254	5	G.O., No. 1111 W., dated 23rd April 1887.
...	...	...	10,000		6	G.O., No. 1302 W., dated 25th May 1886. Item No. 36, class C works, budget of 1886-87.
...	...	...	3,000	13,000	7	G.O., No. 534 W., dated 24th February 1887. Item No. 35, class C works, budget of 1886-87.
...	...	...	10,000		8	Estimate is awaited.
...	...	...	17,000		9	Do. do.
...	...	...	9,000	36,000	10	Do. do.
...	...	...	3,583	3,583	11	G.O., No. 528 W., dated 7th March 1885. Item No. 54, class C works, budget of 1886-87.
...	...	...	29,987	29,987		
..	...	18,284	1,01,540	1,19,824		
..	...	...	...	1,42,600		

1859/60
23

APPENDIX B.

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

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.	Outlay. 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 ...	...						6	Estimate is awaited.
	Nilgiri ...	Wellington ...	7	Gymnasium	...	...	...	...	4,650		7	Estimate is awaited. Item No. 7, class C works, budget of 1886-87.
	Do. ...	Do. ...	8	Constructing a new Lock hospital.	...	...	...	...	10,000		8	Estimate is awaited. Item No. 9, class C works, budget of 1886-87.
	Do. ...	Do. ...	9	Accommodation for a mountain battery.	...	...	...	...	4,180		9	Estimate is awaited.
	West Coast.	Calicut ...	10	Providing barrack accommodation for 100 men.	...	...	...	...	10,000		10	Estimate is awaited. Amount not shown by the Military Department.
	Do. ...	Cannanore ...	11	Plunge-bath for European Infantry barracks.	4,640	...	...	...	...		11	G.O., No. 418, dated 16th February 1876. Item No. 11, class C works, budget of 1886-87.
	Do. ...	Do. ...	12	Improving latrines for European Infantry barracks.	2,780	7	...	...	4,633		12	G.O., No. 1056 W., dated 4th April 1879. Item No. 12, class C works, budget of 1886-87.
	Do. ...	Do. ...	13	Improving the roof of regimental guard room, European Infantry barracks.	...	...	...	...	2,780		13	Estimate is awaited.
	Presidency.	Fort St. George.	14	Remodelling drainage	...	...	...	...	5,060		14	Estimate is awaited. Item No. 13, class C works, budget of 1886-87.
	Do. ...	Madras ...	15	Constructing coach-houses and stables on the esplanade in front of the Body Guard lines for use of officers in Fort St. George.	...	...	...	...	10,000		15	Estimate is awaited.
	Do. ...	Bangalore ...	16	Constructing V drains round the single men's blocks.	...	...	...	...	15,770		16	Do. do.
	Do. ...	Do. ...	17	Quarters for schoolmaster and schoolmistress.	10,240	...	...	...	7,830		17	G.O., No. 2384 W., dated 20th September 1886. Item No. 19, class C works, budget of 1886-87.
						...	...	...	10,240			

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

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

B—*cont.*

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

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

APPENDIX

LIST OF WORKS (OR CLASS C WORKS) OMITTED FROM THE BUDGET-ESTIMATE OF 1887-88, BUT OF 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.
					Rs.	Rs.	Rs.	Rs.	Rs.	Rs.		
				IMPERIAL ORDINARY—*cont.*								
				MILITARY—*cont.*								
				Original Works—cont.								
(1) *Accommodation for troops*— Buildings for Native troops.	Vizagapatam	Vizianagram.	35	Regimental store room for Native infantry, including storage for camp equipage.	3,480	...	...	...	3,480		35	G.O., No. 2628 W., dated 27th October 1884. Item No. 32, class C works, budget of 1886-87.
	Bellary ...	Bellary ...	36	School-house for the Native Infantry regiment.	3,030	...	...	...	3,030		36	G.O., No. 149 W., dated 17th January 1884. Item No. 33, class C works, budget of 1886-87.
	West Coast.	Quilon ...	37	Sepoy lines	...	...	...	...	20,000		37	Estimate is awaited.
	Do. ...	Mangalore ...	38	Providing drains for the lines of the Native infantry.	...	...	...	...	6,030		38	Do. do.
	Presidency.	Madras ...	39	Constructing four latrines, two for males and two for females for Native Infantry lines at Perambúr.	...	...	...	...	3,000		39	Do. do.
	Do. ...	Do. ...	40	Flushing drains for Native Infantry lines at Rávapuram.	4,300	...	...	...	4,300		40	G.O., No. 1397 W., dated 4th June 1884. Item No. 34, class C works, budget of 1886-87.
	Chingleput.	Pallávaram ...	41	Magazine for a Madras Infantry regiment.	4,900	...	...	...	4,500		41	G.O., No. 334 W., dated 8th February 1886. Item No. 38, class C works, budget of 1886-87.
	Do. ...	Do. ...	42	Armourer's shop for a Madras Infantry regiment.	2,850	...	...	...	2,880		42	G.O., No. 3149 W., dated 22nd December 1884. Item No. 29, class C works, budget of 1886-87.
(2) *Ordnance Works.*	Trichinopoly Presidency.	Trichinopoly. Madras ...	43	Workshops for a Pioneer regiment.	...	...	...	...	8,000		43	Estimate is awaited.
	Do. ...	Do. ...	44	Compound wall round the Gunpowder Factory.	...	...	...	...	20,209		44	Estimate is awaited. Item No. 39, class C works, budget of 1886-87.
(3) *Commissarial Buildings.*	West Coast. Presidency.	Calicut ... Bangalore ...	45	Extra accommodation as store-rooms in the Gunpowder Factory.	...	...	...	...	6,000		45	Estimate is awaited. Item No. 40, class C works, budget of 1886-87.
			46	Mule and cattle shed	...	...	...	...	4,000		46	Estimate is awaited.
	Do. ...	Do. ...	47	Quarters for a Conductor, Transport Department.	5,800	...	...	...	5,800		47	G.O., No. 932 W., dated 16th April 1886. Item No. 51, class C works, budget of 1886-87.
	Do. ...	Madras ...	48	Quarters for Ambulance Sergeant, near Cattle lines, Transport Department.	...	...	...	...	3,000		48	Estimate is awaited.
	Do. ...	Do. ...	49	Lines for transport attendants ...	...	...	...	...	48,000		49	Estimate is awaited. Item No. 49, class C works, budget of 1886-87.
	Do. ...	Do. ...	50	Workshops and sheds for carts, doolies, &c., Transport Department.	...	...	...	...	5,500		50	Estimate is awaited. Item No. 50, class C works, budget of 1886-87.
			51	Construction of a shed at the Camp Equipage Depôt.	...	...	...	...	5,300		51	Estimate is awaited. Item No. 48, class C works, budget of 1886-87.
					...	...	...	...	...	...		

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

APPENDIX
CLASS B

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.
					Rs.
				IMPERIAL ORDINARY—*concld.*	
				Military—*concld.*	
				Original Works—concld.	
(3) *Commissariat Buildings.*	Presidency.	Teyampet ...	52	Construction of a wheat godown ...	...
	Chingleput.	Guindy ...	53	Quarters for station butchers attached to slaughter-house.	...
(4) *Staff and Miscellaneous.*	Nilgiri ...	Ootacamund.	54	Water-supply, Lawrence Asylum.	...
(8) *Fortifications* ...	West Coast.	Malapuram ...	55	Constructing fortifications ...	...
	Presidency.	Fort St. George	56	Facing the *ex terior* of Fort St. George with Portland cement.	...
	Do. ...	Do. ...	57	Demolition of Wallajah ravelin and two lunettes.	...
	Do. ...	Do. ...	58	Constructing a draw-bridge to North Gate.	...
				Total ...	

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	...	52	Estimate is awaited. Item No. 46, class C works, budget of 1886-87.
...	...	...	4,730	...	53	Estimate is awaited. Item No. 52, class C works, budget of 1886-87.
...	...	...	7,000	...	54	Estimate is awaited. Item No. 55, class C works, budget of 1886-87.
...	...	...	8,000	...	55	Estimate is awaited.
...	...	...	5,000	...	56	Do. do.
...	...	...	7,426	...	57	Estimate is awaited. Item No. 53, class C works, budget of 1886-87.
...	...	...	2,680	...	58	Estimate is awaited.

SUPERINTENDING ENGINEER'S OFFICE,

No. 1177. V CIRCLE, ~~Mysore~~,

Bangalore ~~Utopia~~, 9th June 1887.

From Colt. H. St. Vibart RE
~~The~~ SUPERINTENDING ENGINEER,
V CIRCLE.

To THE Chief Engineer,
P. W. Department.

Sir,

Enclosures.

With reference to G. O. No 1160W dated 28th April 1887, Para 3, I have the honor to report that the amount of Rs 4740 sanctioned for the Store rooms and Workshop for the Pioneer Regiment at Bangalore can be reduced by substituting brick in mud for stone in mortar and jungle-wood for teak wood, but the deviation would not be advantageous as it will cost as much if not more for repairs hereafter.

It would be well therefore if the Original sanctioned estimate is carried out without deviation.

I have the honor to be
Sir
Your most Obedient Servant

H St V Vibart Colt RE
Supdg: Engineer, V Circle.

1859 $60
98

G.G 11608 28-6-87
" 0348 24-2-87.

To Genl. C. No 4435
The Superintendg Engr
5th Circle

Gs (8)
The Chief Engineer
P. W. Department

Dated 9th
Recd 11 6 87

No 1147

Store rooms and Work shops for the Pioneer Regiment at Bangalore.

Reporting that it would be better if the original sanctioned plan is carried out without deviation.

G. 24-6-87.

Military Buildings-Workshops

No. 3633

Government of Madras.

MILITARY DEPARTMENT,

Octacamund Fort St. George, the 21 June 1887.

From the Quarter Master General to the Secretary to Government, Military Department, No 1947 P, dated Octacamund, 26 May 1887.

Referring to G. O. No 1315 of 5th and 1887. I am desired to state that in as much as the 1st Pioneers have on their hands the work of finishing their lines (begun by the 15th Madras Infantry), and moreover have hitherto had no training in building work, His Excellency the Commander-in-chief considers it undesirable that the Regiment should attempt the construction of the workshops.

Adverting to para 3 of G. O. No 1160 of 28th Ultimo (M. D. No 2867 of 16th Instant), circulating the final issue of the Budget for 1887-88. I am further to state that the Commander-in-chief doubts if the

Superintending

1897 No 30

Superintending Engineer, will find it possible to reduce the estimate for the work from Rs. 4740 to 3000 unless by some reduction of space allowed for the different shops which His Excellency would deprecate, being of opinion that not only are the shops as originally designed all essential, but that in view of the large amount of leather equipment in a Pioneer Regiment, and the frequent necessity of effecting repairs to the same, the addition of a Cruchley's shop should be made to them.

3 The General Officer Commanding Bangalore Division has already been desired to submit a revised plan and estimate to include this additional shop.

Order:- Communicated to the Public Works Department with reference to para 2 of P.G. No 534 M dated 24th February 1897.

(True Extract)

Athenry Herbert Brigr. Genl
Secretary to Government

To

The Public Works Department

Rec'd 243 Ir
29-6-87.

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

P.W.C. No. 4784
5111/87

No. 2128 C dt 27th June 1887.

Referred to the Supdg. Engineer V circle, for early submission of the report called for in para 3 of G.O. No 1161 W dated 28th April 1887.

1160 W

Col. R.E.
Secy. to Govt P. W.D.

No. 5344 dt 24.8.87
" 1161 W dt 28 do

Rg 24.6.87

Referred

Superintending Engineer's Office,
V Circle, Mysore Bangalore
Bangalore Cantt, 2nd July 1887.

From Colonel Hale. Gilbert. RE.
The SUPERINTENDING ENGINEER,
V. Circle,

To The Acting Engineer
to G. of M. Department.

Sir,

Enclosures. 1

I am returning herewith Endorsements Nos 2128 C dated 27th June 1887, I have the honor to state that the reports required by para 3 of G.O. No 1160 W dt 28 April 1887 to be submitted with my letter of No 1777 of 9th June 1887.

I have the honor to be
Sir
Your most obedt Servt
H. Gilbert Colonel
Colonel RE.
Superintending Engineer
5th Circle

2128C. 27.6.87
4.6.1161W. 28.4.87.

From P.W.C. No. 511

The Superintending Engineer,

V Circle,

To

The Chief Engineer.

P. W. Department

Dated 24. June 1887.
Recd.

Enclosures. 1.

No. 1481.

Lines and Workshops for the Pioneers at Bangalore.

Stating that the Reports required in para 2 of G.O. No. 1500 have already been submitted.

Public Works Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following

From the Supdtg. Engineer V circle. M. E. No. 1177 d/ 9th June 1887.
Proceedings No. 2633 d/ 21st June 1887
from the S. E. V Circle No. 1481 d/ 24th June 1887

× 1160 W. d/ 20th April 1887

Ordered that the following letter be sent to the Govt. of India with reference to their remark ~~contained~~ in para 3(ii) of their ×resolutions No. 607 Fin. W. dated 18th March 1887 on item No. 7, Lines & Barracks B Works, in the final issue of the Imperial Military Works Budget for 1887-88.

M. E. No. 1177

To

The Secy to the Govt. of India
Military Department.

Sir,

With reference to the remark ~~of the Govt. of India contained~~ in para 3(ii) of resolution No. 607 Fin. W. dated 18th March 1887 that the provision made for the store rooms and workshops for the Pioneer Regiment at Bangalore are too high and that no excess over the budget allotment can be allowed, I am directed to state that

To

The Supdtg. Engr. V Circle

in the final Works Budget

No. 634 W dated 24
the Superintending Engineer's estimate for [illegible]
an estimate of Rs. 4,740, was sanctioned
for the work and that no reduction can
with advantage be effected in that
estimate. As the budget grant for the
work is Rs. 3,000 only, I am directed to
request that the Govt. of India may
be pleased to permit expenditure
being incurred to the extent of the
sanctioned estimate.

183 9-W 1880

W.O.
24-6-87

Dy
[illegible]

and to permit

[illegible]

W/246

@ 24-6-87

@ 24-6-87

B+C
Mily works

No. 1859. W PUBLIC WORKS DEPARTMENT.

8 9 1/33

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 11th July 87

READ the following

From the Superintending Engineer, V Circle, N.E. No. 1177, of 9th June 87.
Proceedings of Govt. in the Military Dept. No. 3633 of 21st June 887
From the Supdg. Engineer, V Circle — No. 1481, of 2nd July 1887.

Ordered that the following
letter be sent to the Govt.
of India, with reference to the
remark in para 3(vi) of
their resolution No. 607 M.W.
dated 18th March 1887, on item
No. 7, Class B works, in the
Trial Issue of the Imperial
Military Works Budget
for 1887-88.

P.G. No. 1160 W of 28th April 1887.

To Superintending Engr V Circle
Exec. Engr Pub. Accounts.
Mily. Debt, with the
Secretary to India.

H.E.

M.E. No. 1880 M. dy 11 July 1887.

To

The Secy: to the Govt: of India
Military Dept.

Sir,

With reference to the remark in para 3 (iii) of Govt: of India resolution No. 607 M.W., dated 18th March 1887, to the effect that the provision of Rs 3000 made in the Military Works Budget for store rooms and workshops for the Pioneer Regiment at Bangalore, seems too high and that no excess over the budget allotment can be permitted, I am directed + to state that the sanctioned estimate for the work amounts to Rs 4740, and to forward ++ copies of letters from the Quarter-Master General, and the

+ P.G. No. 534 W.D. 24 July 1887 (copy attached)

++ P.G. No. 1859 W.D. 11th July 1887

the Superintending Engineer, V Circle, from which it will be seen that not only can no reduction in the estimate be effected with advantage, but that certain additional work will be needed to meet the requirements of the regiments. I am therefore to request that the condition attached to the Budget grant may be withdrawn, & that the work may be proceeded with in accordance with the estimate.

2. The favour of an early reply is requested.

&c

Jth
8/7/87

&c

1857/60
35

Govt of India. PUBLIC WORKS.

No 155

Civil Secy

17th July 1855 to 1860

Store rooms & workshops for the Pioneer regiment at Bangalore

8/1 2/2 30 volumes of files

The Govt of India are requested to permit Lieut Colonel Fraser to draw on the Secretary of State for the amount of which is the amount of the annexed Estimate

Store rooms & workshops for the Pioneer Regiment at Bangalore.

The Govt of India are requested to permit Lieut Colonel Fraser to draw on the Secretary of State for the amount of which is the amount of the annexed Estimate