(1) பக்கங்களின் எண்ணிக்கை 40

(2) புதுக்கித் திருப்பிய நாள் 12/89

(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம்

தமிழ்நாடு ஆவணக் காப்பகம்.

(20)

தமிழ்நாடு அரசு

P.W.D துறை

அரசாணை எண்.		அச்சகம்
மு. கோப்புத் தாள் எண்.	1179	பலவகை

நாள் : 3-5-1889 198 .

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

100).

20 Sheets

ஆவண. கா-1—18,000—15-6-87.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

1179

Buildings and Roads.
Military Works.

Read—the following paper:—

From Colonel R. F. LOWIS, R.A., Director-General of Ordnance in India, to the Secretary to the Government of Madras, Public Works Department, dated Simla, 17th April 1889, No. 334 E.

Referring to the Proceedings of the Government of Madras, No. 516 W., Public Works, dated the 20th February 1889, I have the honor to solicit that, in anticipation of the sanction of the Government of India which I have applied for, the sum of Rs. 5,120, for improving the water-supply of the Gun Carriage Factory, Madras, a scheme for which was approved in telegram No. 262 M.W., dated Calcutta, the 13th February 1889, to your address, may be reallotted from the grant of Rs. 15,000 sanctioned * for the construction during the current year of quarters for Ordnance Non-Commissioned officers at Bellary, and that orders may be issued for the work to be taken in hand and pushed on to completion as soon as possible.

* *Vide* Madras G.O., No. 3945 W., dated 18th December 1888, and this office No. 524, dated 27th February 1889.

Order—dated 3rd May 1889, No. 1179 W., Public Works.

The following transfer of funds is sanctioned:—

Imperial Military.
Original Works.

From	*To*
Constructing double quarters for the staff serjeants attached to the Ordnance Department at Bellary. Rs. 5,120	Improving the water-supply of the Gun Carriage Factory at Madras. Rs. 5,120

2. Arrangements should be made to complete, as soon as possible, the improvement of the water-supply of the Gun Carriage Factory, for which funds have been now provided.

(True Extract.)

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

To the Superintending Engineer, III Circle.
" " " V "
" Examiner, Public Works Accounts.
" Military Department.
" Director-General of Ordnance.

Exd. J. Henricus.
Spare Copies

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BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1889} Madras.

PUBLIC WORKS.

Dated May, 3rd.

Read.

Enel.

G.O., 3rd May 1889, No. 1179 W.

MAY.

Funds

Certain transfer of —, sanctioned.

1179

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

READ—the following papers :—

From the Superintending Engineer,	I	Circle,	dated	13th Oct.	1888,	No. 418 G.L.
„ „	II	„	„	1st „	„	(one statement).
„ „	III	„	„	2nd „	„	(two statements).
„ „	IV	„	„	1st „	„	No. 422 E.W.
„ „	V	„	„	23rd „	„	„ 3164.
„ „	V	„	„	23rd „	„	„ 3166.
„ „	VI	„	„	24th Sept.	„	„ 1479 T.
„						

Proceedings of the Government of India, Military Department, dated Simla, 6th November 1888, No. 2143-M.W.

RESOLUTION—The following provisional distribution of the annual Imperial grant of one crore of rupees for military works in 1889-90 is hereby notified :—

	Rs.
Rajputana and Central India	3,00,000
Hyderabad	3,00,000
Military Works Department	59,50,000
Central Provinces	1,50,000
Lower Burma	3,50,000
Assam	2,80,000
Bengal	60,000
North-Western Provinces and Oudh	10,000
Punjab	2,50,000
Madras	6,00,000
Bombay	12,50,000
Ordnance Works	3,00,000
Marine Works	1,00,000
Total ...	99,00,000
Leaving for reserve with the Government of India	1,00,000
	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 distribution of the grants for Ordnance and Marine will be made by the Director-General of Ordnance and the Director of Indian Marine, respectively. These officers will communicate to the Local Governments and Administrations concerned the works which they desire to have undertaken during 1889-90, and the amounts available for each work, which amounts will then be included by the Local Governments and Administrations concerned in their budget estimates for military works.

4. The preliminary budget estimates should be prepared for the amounts now provisionally sanctioned, together with the allotments, if any, made by the Director-General of Ordnance and Director of Indian Marine, and should be submitted so as to reach the Government of India punctually by the 15th January 1889.

5. Orders regarding the grant for military works in Upper Burma will issue hereafter.

The Governments of Madras, Bombay, Bengal, North-Western Provinces and Oudh, and Punjab, in the Public Works Department.
The Chief Commissioners, Central Provinces, Burma and Assam.
The Resident at Hyderabad.
The Agent, Governor-General, Rajputana and Central India.
The Inspector-General, Military Works.
The Director-General of Ordnance in India.
The Director, Indian Marine.

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

Ordered also that a copy be forwarded to—

The Quartermaster-General in India.
The Accountant-General, Public Works Department.
The Accountant-General, Military Department, for information.

(By order.)

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

From Brigadier-General M. PROTHEROE, C.B., C.S.I., Quartermaster-General, to the Secretary to Government, Public Works Department, dated Ootacamund, 23rd November 1888, No. 4500 A.

In acknowledging the receipt of your letter No. 4554 C., dated 17th instant, intimating the amount of the grant made by the Government of India to this Presidency for Imperial Military Works in the coming year, and submitting proposals * for the distribution available out of it for major works, I am desired to state that the Commander-in-Chief accepts the allotments proposed by you, subject to the following modifications :—

* Statement herewith returned.

Item 2.—The sheds being built, this year, for transport animals at Calicut, with the allotment of Rs. 3,310, are all that are emergently wanted, and in His Excellency's opinion the construction of the remainder might be allowed to stand over until funds can be more conveniently found for them.

Item 9.—The Madras Cavalry Regiment at Bellary at present has saddle-rooms, and though they are not good ones, His Excellency considers the provision of new ones to replace them might be made gradually, and accordingly would prefer that the allotment proposed for this work in the coming year be reduced to Rs. 10,000.

2. The amount set free under the suggestions above put forward is Rs. 10,000, which His Excellency would wish added to the allotment for institutes in the coming year so that funds may be thus available not only for execution of the additions and alterations proposed to be made to existing buildings in connection with these institutions at different stations, but also for making a commencement with the new buildings required at St. Thomas' Mount and Wellington.

From Colonel R. F. LOWIS, R.A., Director-General of Ordnance in India, to the Secretary to the Government of Madras, Public Works Department, dated Calcutta, 4th December 1888, No. 35.

With reference to your letter No. 4553 C., dated 17th, and telegram dated 30th November 1888, I have the honor to allot funds as follows to ordnance works in the Madras circle for the ensuing official year 1889-90 out of the grant of Rs. 3,00,000

placed at my disposal by the Government of India by Military Department Resolution No. 2143-M.W. of the 6th ultimo :—

	RS.
Workshops, Bellary Arsenal	15,992
Quarters for Warrant and Non-Commissioned officers, Bellary Arsenal	15,000
Timber-shed, Bellary Arsenal	2,590
Shed for Camp Equipage section, Madras Arsenal	6,935
Workshops, Gun Carriage Factory, Madras	19,483
	60,000
Percentage for tools, &c.	14,700
Petty and minor works, including percentage for tools, &c.	10,000
Total	84,700

ORDER—dated 18th December 1888, No. 3945 W., Public Works.

In their Resolution above recorded, the Government of India have assigned a provisional grant of Rs. 6,00,000 for expenditure on military works in this Presidency during 1889-90. The amount distributed under departmental heads will be as shown below :—

	RS.
Works	4,80,850
Establishment	1,11,950
Tools and Plant	7,200
Total	6,00,000

and, with reference to para. 3 of the Resolution, the Director-General of Ordnance in India has made the following allotments for ordnance works :—

	RS.
Major Original Works	60,000
Minor do.	8,050
Establishment	15,650
Tools and Plant	1,000
Total	84,700

2. The Military Works budget estimate for 1889-90 has therefore been fixed at Rs. 6,84,700, which, distributed under the departmental heads, will be as follows :—

	RS.
Works	5,48,900
Establishment	1,27,600
Tools and Plant	8,200
Total	6,84,700

3. Of Rs. 4,80,850 available for military works, the following lump sums have been set apart :—

	RS.
(*a*) Incomplete major works	13,900
(*b*) Do. minor works	10,000
(*c*) New minor works	15,000
(*d*) Repairs	3,00,000
Total	3,38,900

and the balance, Rs. 1,41,950, has been distributed to individual works with the approval of His Excellency the Commander-in-Chief.

4. No provision has been made for the construction of sheds for transport animals at Calicut as, in the opinion of His Excellency the Commander-in-Chief, the sheds now under construction are all that are emergently required, and the construction of the remaining sheds can stand over until funds can conveniently be found for them.

5. The amounts set apart for repairs and incomplete works will, as usual, be held at the disposal of Government and distributed early next year on receipt of detailed proposals from Superintending Engineers.

6. The sum of Rs. 15,000 set apart for minor new works will, with reference to G.O., No. 2665 W., dated 29th August 1888, be placed at the disposal of officers commanding divisions and districts.

7. The distribution made by the Director-General of Ordnance of the grant for major ordnance works has been adopted; and of the sum of Rs. 8,050 (or Rs. 10,000 inclusive of percentage charges for "Establishment" and "Tools and Plant") provided for minor ordnance works, Rs. 3,050 have been reserved with the Government for incomplete works and the balance, Rs. 5,000, has been placed at the disposal of the Inspector-General of Ordnance to whom Superintending Engineers should apply for funds required for minor new works of 1889-90.

8. The Superintending Engineers concerned will submit, with the least possible delay, plans and estimates for the unsanctioned works for which funds have been provided in the budget.

9. Works for which estimates have not been sanctioned have been entered in the budget at the request of the Quartermaster-General and the Director-General of Ordnance, and it is hoped that the estimates for them will shortly be ready. The Government of India will therefore be requested to allow the amounts provided for them to stand.

10. With these remarks the preliminary issue of the Imperial Military Works budget for 1889-90 will be printed and circulated to the officers concerned for information and guidance, and four copies forwarded to the Government of India, Military Department.

(Here enter No. 3946 W., dated 18th December 1888.)

(True Extract.)

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

To Superintending Engineers.
To the Examiner, Public Works Accounts.
" Military Department.
" Financial Department.
" Director-General of Ordnance in India.

Exd. J. Henricus.
Spare Copies

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BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1888} Madras.

PUBLIC WORKS.

Dated December, 18*th*

Recd. *Encl.*

G.O., 18th Dec. 1888, No. 3945 W.

DECEMBER.

Imperial Military Works
Budget for 1889-90

Orders circulating the preliminary issue of the —.

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GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

READ—the following paper:—

From Colonel W. H. BURTON, R.E., Superintending Engineer, V Circle, to the Chief Engineer, Public Works Department, dated Kambakal Channel, 9th February 1889, No. 5258.

With reference to G.O., No. 99 W., dated 15th January 1889, I have the honor to state that the amount of the grant of Rs. 14,105 appropriated in G.O., No. 3982 W., dated 20th December 1888, for works as per margin may be surrendered to Government as there is very little time to spend this amount even if the estimates are sanctioned hereafter.

	Rs.
Gun Carriage Factory.	
1. Water-supply	5,120
2. Projects for new workshops ...	8,985
Total ...	14,105

ORDER—dated 20th February 1889, No. 516 W., Public Works.

In his letter No. 3165, dated 23rd October 1888, the Superintending Engineer, V Circle, surrendered the grants provided in the current year's military budget for the marginally-noted works, and the Inspector-General of Ordnance was thereupon requested in para. 3 of G.O., No. 3579 W., dated 10th November 1888, to report whether he approved the surrenders, and, if so, to intimate to what works he wished the amounts to be transferred.

	Rs.
Turners' shop, Gun Carriage Factory, Madras	10,000
Extra accommodation as store-room, Gun Carriage Factory, Madras ...	4,105
Total ...	14,105

2. In his letter No. G/126, dated 1st December 1888, the Inspector-General replied that the Director-General was about to apply to the Government of India for sanction to reappropriate the amounts for the following works (*vide* G.O., No. 3982 W., dated 20th December 1888)—

	Rs.
Water-supply, Gun Carriage Factory, Madras	5,120
New workshops, do. do.	8,985
Total ...	14,105

3. The Superintending Engineer, in his present letter, looks upon the above-mentioned proposed reappropriations as grants and surrenders them; but as no formal sanction has been accorded thereto, the surrenders proposed by the Superintending Engineer cannot be accepted. There appears, however, no probability of

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early sanction being given to the estimates for the works mentioned in para. 2, which have been forwarded to the military authorities (*vide* G.O., No. 99 W., dated 15th January 1889), and the surrenders originally proposed by the Superintending Engineer from the turners' shop and store-room will therefore be accepted and replaced at the disposal of the Government of India as shown in the margin.

	Rs.
Works	14,105
Establishment and tools and plant.	3,456
Total ...	17,561

4. As all alterations in the revised and budget estimates should be reported to the Government of India before the 20th February 1889, the following telegram will be sent to the Government of India, Military Department:—

"Please accept surrenders of Rs. 10,000 and 4,105 from items 7 and 8, Class B Works, Military budget, and Rs. 3,456 from Establishment and Tools. Amounts cannot be utilised before March next."

5. A copy of these Proceedings will be forwarded to the Government of India, Military Department, for information.

(Here enter No. 517 W., dated 20th February 1889.)

(True Extract.)

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

To the Superintending Engineer, V Circle.
" Examiner, Public Works Accounts.
" Military Department.
" Director-General of Ordnance.

ENDORSEMENT—dated 20th February 1889, No. 517 W., Public Works.

Forwarded.

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

Exd. A. D. Xavier.
Spare Copies

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BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1889} Madras.

PUBLIC WORKS.

Dated February, 20th.

Recd. *Encl.*

G.O., 20th Feb. 1889, Nos. 516 W., 517 W.

FEBRUARY.

Gun Carriage Factory, Madras

Forwarding copy of Proceedings on letter from the Superintending Engineer, V Circle, surrendering grants for certain works connected with —.

PRELIMINARY ISSUE.

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IMPERIAL.
MILITARY WORKS.

MADRAS.

PUBLIC WORKS DEPARTMENT.

IMPERIAL BUDGET-ESTIMATE

OF

MILITARY WORKS

OF THE

GOVERNMENT OF MADRAS

FOR THE YEAR

1889-90.

CHEPÂK,
18th December 1888.

(Signed) H. R. MEAD, Colonel, R.E.,
Ag. Secy. to Govt., P.W.D.

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IMPERIAL.
MILITARY WORKS

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MADRAS.

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IMPERIAL.
MILITARY WORKS.

MADRAS.

REVENUE.

ABSTRACT OF THE BUDGET-ESTIMATE OF REVENUE OF THE PUBLIC WORKS DEPARTMENT FROM MILITARY WORKS IN MADRAS FROM 1st APRIL 1889 TO 31st MARCH 1890.

	Actuals, 1887-88.	Budget-Estimate, 1888-89.	Revised Estimate, 1888-89.	Budget-Estimate, 1889-90.
	Rs.	Rs.	Rs.	Rs.
In Public Works Department	26,973	27,800	27,000	27,000
In Civil and Military Departments	...	...	...	...
Total ...	26,973	27,800	27,000	27,000

CHARGES.

ABSTRACT OF THE BUDGET-ESTIMATE OF EXPENDITURE OF THE PUBLIC WORKS DEPARTMENT O MILITARY WORKS IN MADRAS FROM 1st APRIL 1889 TO 31st MARCH 1890.

	Reference to Detailed Estimate.	Actuals, 1887-88.	Budget-Estimate, 1888-89.	Revised Estimate, 1888-89.	Budget-Estimate, 1889-90.
		Rs.	Rs.	Rs.	Rs.
Original Works { In progress / Not commenced }	...	1,30,814	2,08,550	2,15,092	1,12,842 / 1,36,058
Repairs ... ... { Ordinary / Special }	...	2,96,596	3,00,000	2,93,400	3,00,000
Establishment	...	98,303	1,08,755	1,08,742	1,27,600
Tools and Plant	...	6,323	6,995	6,994	8,200
Suspense Account	...	...	...	...	...
Total ...	...	5,32,036	6,24,300	6,24,228	6,84,700

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.

	Actuals, 1887-88.	Budget-Estimate, 1888-89.	Revised Estimate, 1888-89.	BUDGET-ESTIMATE, 1889-90.							
				Original Works.			Repairs.	Establishment.	Tools and Plant.	Suspense Account.	Total.
				In progress.	Not commenced.	Total.				Barrack Department.	
Provision from Imperial Funds.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs. Rs.	Rs.
In India ...	5,28,310	6,24,300	6,24,228	1,12,842	1,36,058	2,48,900	3,00,000	1,27,600	8,200	... ...	6,84,700
In England.	...	...	...	...	...	...	...	...	...	... ...	...
Total ...	5,28,310	6,24,300	6,24,228	1,12,842	1,36,058	2,48,900	3,00,000	1,27,600	8,200	... ...	6,84,700
Provision from Contributions.											
In India ...	3,726	...	...	...	...	...	...	...	...	... ...	...
Grand Total...	5,32,036	6,24,300	6,24,228	1,12,842	1,36,058	2,48,900	3,00,000	1,27,600	8,200	... ...	6,84,700

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

	Actuals, 1887-88.	Budget-Estimate, 1888-89.	Revised Estimate, 1888-89.	BUDGET-ESTIMATE, 1889-90.				
				Original Works.			Tools and Plant.	Suspense Account.	Total.
				In progress.	Not commenced.	Total.			
Nil.									

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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 Coast.	Malapuram ...	1	Barracks for a detachment of British Infantry to accommodate 50 additional men.	1,91,412
	Chingleput.	Poonamallee ...	2	New barracks	1,66,885
	Nilgiri ...	Wellington ...	3	Quarters for three Apothecaries ...	16,000
1. *Accommodation for troops*— Buildings for Native troops.	Presidency.	Fort St. George	4	Converting the old Adjutant-General's office into barracks for single men.	25,097
	Do.	Bangalore ...	5	Additions to public buildings, Madras Infantry Regiment, for a Pioneer Regiment.	30,346
2. *Ordnance works* ...	Bellary ...	Bellary ...	6	New workshops for the Arsenal ...	45,500
				Total ...	...

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I.

ORIGINAL WORKS FOR THE YEAR 1889-90.

WORKS.

Outlay.		Grant, 1889-90.			Item No.	Remarks and References.
Actual to end of 1887-88.	Probable during 1888-89.	Works in progress.	Works not commenced.	Total.		
Rs.	Rs.	Rs.	Rs.	Rs.		
1,39,673	20,000	20,000	...		1	G.O., No. 3737 W., dated 27th November 1888. Item No. 2, class A works, budget of 1888-89.
6,607	20,000	30,000	...		2	G.O., No. 465 W., dated 19th February 1879. Revised estimate is awaited. Item No. 2, class B works, budget of 1888-89.
...	6,500	9,500	...		3	G.O., No. 2448 W., dated 13th August 1888. Item No. 1, class B works, budget of 1888-89.
15,586	3,820	5,400	...	64,900	4	G.O., No. 3000 W., dated 9th November 1887.
21,903	3,210	5,000	...	5,000	5	G.O., No. 3237 W., dated 12th October 1888. Item No. 3, class A works, budget of 1888-89.
6,889	22,650	15,992	...	15,992	6	G.O., No. 2527 W., dated 17th August 1888. Item No. 5, class B works, budget of 1888-89.
...	...	85,892	...	85,892		

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IMPERIAL.
MILITARY WORKS.

PART

DETAIL OF THE BUDGET-ESTIMATE FOR

CLASS B

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.
					Rs.
				IMPERIAL ORDINARY.	
				Military.	
				Original Works.	
1. *Accommodation for troops*— Buildings for European troops in the plains. Permanent.	Presidency.	B. Fort St. George.	1	Converting the block of buildings containing the main guard, No. 6, Captains' quarters, &c., into barracks for single men.	5,785
	Do. ..	Do. ...	2	Institutes of British Regiments and Batteries in the Presidency.	...
1. *Accommodation for Troops*— Buildings for Native troops.	Presidency.	Bangalore ...	3	Public buildings for a regiment of Native Cavalry.	30,990
	Bellary ...	Bellary ...	4	New saddle rooms for the Madras Cavalry Regiment.	...
	North Arcot.	Vellore ...	5	Providing accommodation in the Fort for two companies, Native Infantry.	...
2. *Ordnance* ...	Bellary ...	Bellary ...	6	Quarters for Warrant and Non-Commissioned officers, Bellary Arsenal.	42,420
	Do. ...	Do. ...	7	Timber-shed, Bellary Arsenal ...	...
	Presidency.	Madras ...	8	Shed for the camp equipage ...	6,935
	Do. ...	Do. ...	9	Workshops, Gun Carriage Factory.	...
			10	Reserve with the Government for incomplete ordnance works.	...
7. *General Cantonment works.*	Bellary ...	Guntakal ...	11	Minor works under Ordnance ...	...
8. *Fortifications* ...	Presidency.	Madras ...	12	New rest-house and site for the rest camp.	...
			13	Alterations to the Rifle Ranges at Veyasarpaudy.	6,076
			14	Reserve with the Government for incomplete major works.	...
			15	Reserve with the Government for incomplete minor works.	...
			16	New minor works	...
				Total ...	...
				Grand Total ...	...

I—*cont.*

ORIGINAL WORKS FOR THE YEAR 1889-90.

WORKS.

Outlay.		Grant, 1889-90.			Item No.	Remarks and References.
Actual to end of 1887-88.	Probable during 1888-89.	Works in progress.	Works not commenced.	Total.		
Rs.	Rs.	Rs.	Rs.	Rs.		
...	...	...	5,785		1	G.O., No. 2612 W., dated 24th August 1888.
			20,000	25,785	2	Estimates are awaited.
...	...	...	20,000		3	G.O., No. 1302 W., dated 25th May 1886. Item No. 41, class C works, budget of 1888-89.
...	...	...	10,000		4	Estimate is awaited.
...	...	...	3,490	33,490	5	Do.
...	...	...	15,000		6	G.O., No. 1650 W., dated 18th June 1887.
...	...	...	2,590		7	Estimate is awaited.
...	...	...	6,935		8	G.O., No. 2558 W., dated 27th September 1887. Item No. 47, class C works, budget of 1888-89.
...	...	...	19,483		9	Estimate is awaited.
...	...	3,050	...		10	
...	...	...	5,000	52,058	11	
...	...	...	6,699		12	Estimate is awaited.
...	...	...	6,076	12,775	13	G.O., No. 3150 W., dated 8th October 1888.
...	...	13,900	...	13,900	14	
...	...	10,000	...	10,000	15	
...	...	...	15,000	15,000	16	
...	...	26,950	1,36,058	1,63,008		
...	...	1,12,842	1,36,058	2,48,900		

LIST OF WORKS (OR CLASS C WORKS) OMITTED FROM THE BUDGET-ESTIMATE OF 1889-90, 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 1887-88.	Outlay. Probable during 1888-89.	Amount applied for 1889-90. Works in progress.	Amount applied for 1889-90. Works not commenced.	Amount applied for 1889-90. 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	Swimming-bath, British Infantry.	7,644	...	...	...	7,644		1	G.O., No. 2434 W., dated 19th October 1885. Item No. 3, class C works, budget of 1888-89.
	Do. ...	Do. ...	2	Alterations and additions to the military prison.	...	...	...	...	3,980		2	Estimate is awaited. Item No. 2, class C works, budget of 1888-89.
	Do. ...	Do. ...	3	Guard-room for the station hospital.	4,290	...	...	...	4,290		3	G.O., No. 1384 W., dated 17th May 1888.
	Do. ...	Do. ...	4	Infectious disease ward, cook-house and station hospital.	6,140	...	...	...	6,140		4	G.O., No. 320 W., dated 7th February 1884. Item No. 1, class C works, budget of 1888-89.
	Do. ...	Do. ...	5	Purveyor's quarters for the station hospital.	3,046	...	...	...	3,946		5	G.O., No. 771 W., dated 7th March 1888.
	Do. ...	Do. ...	6	Reroofing verandah of marriage range, European Infantry Barracks.	13,307	...	...	...	13,307		6	G.O., No. 3420 W., dated 15th December 1887.
	Nilgiri ...	Wellington ...	7	Quartermaster's stores and office for British Infantry Regiment.	...	...	...	...	25,000		7	Estimate is awaited.
	Do. ...	Do. ...	8	A ward to accommodate 35 men, station hospital.	...	...	...	...	20,000		8	Do.
	Do. ...	Do. ...	9	Gymnasium, 2nd Royal Fusiliers.	...	...	...	...	10,000		9	Estimate is awaited. Item No. 8, class C works, budget of 1888-89.
	Do. ...	Do. ...	10	Quarters for three hospital purveyors.	4,750	...	...	...	4,750		10	G.O., No. 615 W., dated 21st February 1888. Item No. 49, class C works, budget of 1888-89.
	Do. ...	Do. ...	11	Constructing hut barracks for 500 men.	...	...	...	...	10,000		11	Estimate is awaited.
	Do. ...	Ootacamund...	12	Quarters for a Sub-Conductor attached to the Army headquarters.	...	...	...	...	7,500		12	Do.
	Do. ...	Do. ...	13	Converting the Sapper hospital building on Stonehouse Hill into quarters for two Sergeant Instructors, N.V. Rifles.	3,600	...	...	...	3,600		13	G.O., No. 1068 W., dated 9th April 1888.
	West Coast.	Calicut ...	14	A new barrack with subsidiary buildings for 30 men.	...	...	...	...	20,000		14	Estimate is awaited. Item No. 9, class C works, budget of 1888-89.
	Presidency...	Bangalore ...	15	One block of two quarters for two Sergeants, "Queen's Own" Sappers and Miners.	...	...	...	...	3,000		15	Estimate is awaited.
	Do. ...	Do. ...	16	Quarters for Schoolmaster and Schoolmistress, Royal Artillery.	10,240	...	...	...	10,240		16	G.O., No. 2384 W., dated 20th September 1886. Item No. 28, class C works, budget of 1888-89.

APPENDIX

LIST OF WORKS (OR CLASS C WORKS) OMITTED FROM THE BUDGET-ESTIMATE OF 1889-90, 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 ...	17	New orderly room or conversion of Quartermaster's stores into orderly room and stores, 12th Lancers.	...
	Do. ...	Do. ...	18	Battery office for Royal Horse Artillery.	5,680
	Do. ...	Do. ...	19	Buildings for Wheeler's shop, Royal Artillery.	...
	Do. ...	Do. ...	20	Quarters for the Senior Apothecary, North Station Hospital.	5,300
	Do. ...	Do. ...	21	Quarters for the Assistant Apothecary, North Station Hospital.	4,773
	Do. ...	Madras ...	22	New military hospital on the site of the old fishing village near the Presidency College.	...
	Do. ...	Fort St. George.	23	Wash-houses to be built outside the barracks in lieu of the north and south wash-houses inside.	...
	Do. ...	Do. ...	24	Garrison bazaars to be done away with and new cook-houses to be built on the site.	...
	Do. ...	Do. ...	25	Repairs to floors of B, C, D blocks, family quarters.	...
	Do. ...	Do. ...	26	Construction of coach houses and stables for the use of officers.	
	Chingleput.	Poonamallee...	27	Warrant officers' quarters ...	...
	Do. ...	Do. ...	28	Two Staff Sergeants' quarters, 1st class.	...
	Do. ...	Do. ...	29	Coffee-shop	...
	Do. ...	Pallávaram ...	30	One mortuary room for each of the three hospitals, Nos. 1 to 3.	...
	Do. ...	St. Thomas' Mount.	31	A wheeler and collar-maker's shop for the west barracks.	5,660

1179

B—*cont.*

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

Outlay.		Amount applied for 1889-90.			Item No.	Remarks and References.
Actual to end of 1887-88.	Probable during 1888-89.	Works in progress.	Works not commenced.	Total.		
Rs.	Rs.	Rs.	Rs.	Rs.		
...	...	...	6,500		17	Estimate is awaited. Item No. 29, class C works, budget of 1888-89.
...	...	...	5,680		18	G.O., No. 2906 W., dated 17th September 1888. Item No. 30, class C works, budget of 1888-89.
...	...	...	3,100		19	Estimate is awaited. Item No. 31, class C works, budget of 1888-89.
...	...	...	5,300		20	G.O., No. 3385 W., dated 27th November 1883. Item No. 34, class C works, budget of 1888-89.
...	...	...	4,773		21	G.O., No. 938/2 W., dated 5th April 1884. Item No. 35, class C works, budget of 1888-89.
...	...	...	25,000		22	Estimate is awaited.
...	...	...	2,500		23	Do.
...	...	...	4,500		24	Do.
...	...	...	10,070		25	Estimate is awaited. Item No. 25, class C works, budget of 1888-89.
...	...	...	15,770		26	Estimate is awaited. Item No. 26, class C works, budget of 1888-89.
...	...	...	3,500		27	Estimate is awaited. Item No. 11, class C works, budget of 1888-89.
...	...	...	6,000		28	Estimate is awaited. Item No. 12, class C works, budget of 1888-89.
...	...	...	9,000		29	Estimate is awaited. Item No. 13, class C works, budget of 1888-89.
...	...	...	3,000		30	Estimate is awaited. Item No. 14, class C works, budget of 1888-89.
...	...	...	5,660		31	G.O., No. 2717 W., dated 3rd November 1884. Item No. 15, class C works, budget of 1888-89.

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APPENDIX

LIST OF WORKS (OR CLASS C WORKS) OMITTED FROM THE BUDGET-ESTIMATE OF 1889-90, 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.	Chingleput.	St. Thomas' Mount.	32	Sergeants' Mess for east barracks.	5,450
	Do. ...	Do. ...	33	Quarters for three Medical Subordinates attached to the station hospital.	...
	Do. ...	Do. ...	34	Quarters for head-quarter staff, Royal Artillery.	...
	Do. ...	Do. ...	35	Battery office for P/1st Royal Artillery, east barracks.	3,700
	Do. ...	Do. ...	36	Raising the roof of harness-room, Troop lines.	4,200
Buildings for Native troops.	Vizagapatam	Vizianagrum.	37	Regimental store for Native Infantry, including storage for camp equipage.	3,480
	Bellary ...	Bellary ...	38	New wing places-of-arms for two regiments, Madras Infantry.	...
	Do. ...	Do. ...	39	School-house for Native Infantry Regiment.	3,030
	Nilgiri ...	Wellington ...	40	Quarters for 32 men, Army hospital, Native corps.	...
	West Coast.	Quilon ...	41	Armourers' shop	2,489
	Do. ...	Cannanore ...	42	Quarters for eleven men of the Army hospital, Native corps.	...
	Chingleput.	Pallávaram ...	43	Magazine for Madras Infantry Regiment.	4,900
	Do. ...	Do. ...	44	Armourers' shop for Madras Infantry Regiment.	2,880
2. *Ordnance works.*	Do. ...	St. Thomas' Mount.	45	Wooden shed at the proof range ...	2,820
	Presidency.	Madras ...	46	Constructing a coal store ...	...
	Do. ...	Do. ...	47	Providing sun-shades to doors and windows in the Ordnance lines.	4,160

1179

B—*cont.*

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

Outlay.		Amount applied for 1889-99.			Item No.	Remarks and References.
Actual to end of 1887-88.	Probable during 1888-89.	Works in progress.	Works not commenced.	Total.		
Rs.	Rs.	Rs.	Rs.	Rs.		
...	...	...	5,450		32	G.O., No. 1118 W., dated 14th April 1888. Item No. 16, class C works, budget of 1888-89.
...	...	...	8,000		33	Estimate is awaited. Item No. 17, class C works, budget of 1888-89.
...	...	...	12,000		34	Estimate is awaited. Item No. 18, class C works, budget of 1888-89.
...	...	...	3,700		35	G.O., No. 1552 W., dated 28th May 1888. Item No. 20, class C works, budget of 1888-89.
...	...	...	4,200		36	G.O., No. 3137 W., dated 17th December 1881. Item No. 21, class C works, budget of 1888-89.
...	...	...	3,480		37	G.O., No. 2628 W., dated 27th October 1884. Item No. 36, class C works, budget of 1888-89.
...	...	...	60,000		38	Estimate is awaited.
...	...	...	3,030		39	G.O., No. 149 W., dated 17th January 1884. Item No. 37, class C works, budget of 1888-89.
...	...	...	12,380		40	Estimate is awaited.
...	...	...	2,489		41	G.O., No. 3772 W., dated 29th November 1888.
...	...	...	3,670		42	Estimate is awaited.
...	...	...	4,900		43	G.O., No. 334 W., dated 8th February 1886. Item No. 39, class C works, budget of 1888-89.
...	...	...	2,880		44	G.O., No. 3149 W., dated 22nd December 1884. Item No. 40, class C works, budget of 1888-89.
...	...	...	2,820		45	G.O., No. 3077 W., dated 13th December 1884. Item No. 48, class C works, budget of 1888-89.
...	...	...	10,000		46	Estimate is awaited.
...	...	...	4,160		47	G.O., No. 2248 W., dated 22nd August 1887. Item No. 46, class C works, budget of 1888-89.

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1179

APPENDIX

LIST OF WORKS (OR CLASS C WORKS) OMITTED FROM THE BUDGET-ESTIMATE OF 1889-90, 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 1887-88.	Outlay. Probable during 1888-89.	Amount applied for 1889-90. Works in progress.	Amount applied for 1889-90. Works not commenced.	Amount applied for 1889-90. Total.	Item No.	Remarks and References.
					Rs.	Rs.	Rs.	Rs.	Rs.	Rs.		
				Brought forward ...								
				IMPERIAL ORDINARY—*cont.*								
				MILITARY—*cont.*								
				Original Works—cont.								
3. *Commissariat buildings.*	Nilgiri ...	Wellington ...	48	Quarters for a Milling Engineer, Commissariat Department.	...	...	...		7,500		48	Estimate is awaited.
	West Coast.	Calicut ...	49	A bakery	...	...	...		6,860		49	Do.
	Do ...	Malapuram ...	50	Cattle-shed for the Commissariat Department.	...	...	...		4,000		50	Estimate is awaited. Item No. 50, class C works, budget of 1888-89.
	Do. ...	Do. ...	51	Sheds for 12 bullocks and 10 mules.	2,824	...	...		2,000		51	G.O., No. 1245 W., dated 27th April 1888.
	Chingleput.	Guindy ...	52	Quarters for the station butcher attached to the slaughter-house.	3,600	...	...		3,600		52	G.O., No. 1259 W., dated 30th April 1888. Item No. 52, class C works, budget of 1888-89.
	Do. ...	Saidápet ...	53	Constructing a new road from the Mount Road direct to the slaughter-house.	3,468	...	...		3,468		53	G.O., No. 534 W., dated 16th February 1888.
	Presidency.	Madras ...	54	Workshops and sheds for carts and cattle, Transport Department.	...	...	...		20,000		54	Estimate is awaited. Item No. 55, class C works, budget of 1888-89.
	Do. ...	Do. ...	55	Mule-shed at Transport lines, Pudupet.	...	...	...		11,210		55	Estimate is awaited.
	Do. ...	Do. ...	56	Quarters for two Staff Sergeants at Pudupet.	...	...	...		3,500		56	Do.
	Do. ...	Do. ...	57	Quarters for a Conductor, Commissariat Department.	...	...	...		4,000		57	Estimate is awaited. Item No. 56, class C works, budget of 1888-89.
	Do. ...	Do. ...	58	Constructing a wheat godown at Teynampet.	...	...	...		5,950		58	Estimate is awaited. Item No. 57, class C works, budget of 1888-89.
	Do. ...	Bangalore ...	59	Quarters for a Conductor, Transport Department.	5,800	...	...		5,800		59	G.O., No. 992 W., dated 16th April 1886. Item No. 53, class C works, budget of 1888-89.
	Do. ...	Do. ...	60	Quarters for an Ambulance Sergeant near Cattle lines, Transport Department.	...	...	...		3,000		60	Estimate is awaited. Item No. 54, class C works, budget of 1888-89.
4. *Staff and Miscellaneous.*	Nilgiri ...	Ootacamund...	61	Water-supply, Lawrence Asylum.	12,350	...	...		12,350		61	G.O., No. 2139 W., dated 14th July 1888. Item No. 62, class C works, budget of 1888-89.
	Do. ...	Do. ...	62	Constructing a latrine for the boys at the Lawrence Asylum.	3,000	...	...		3,000		62	G.O., No. 2139 W., dated 14th July 1888.
7. *General Cantonment works.*	Presidency.	Bangalore ...	63	Drainage of Royal Horse Artillery grass-cutters' lines at Ulsoor and preventing the fouling of the adjacent nullah.	2,846	...	...		2,846		63	G.O., No. 1261 W., dated 1st May 1888. Item No. 32, class C works, budget of 1888-89.

9 98 15

APPENDIX

LIST OF WORKS (OR CLASS C WORKS) OMITTED FROM THE BUDGET-ESTIMATE OF 1889-90, 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.	
7. *General Cantonment works.*	Presidency.	Bangalore ...	64	Drainage, British Infantry Barracks.	8,112
	Do. ...	Fort St. George	65	Remodelling the drainage ...	...
	Do. ...	Madras ...	66	Flushing drains of Native Infantry lines at Rayapuram.	4,300
	Chingleput.	St. Thomas' Mount.	67	General improvements to the drains of the cantonment.	...
8. *Fortifications* ...	West Coast.	Malapuram ...	68	Constructing a fortified post ...	8,248
	North Arcot.	Vellore Fort.	69	Constructing draw-bridge ...	6,450
	Presidency.	Fort St. George	70	Demolition of Wallajah ravelin and two lunettes.	...
	Do. ...	Do. ...	71	Constructing a draw-bridge at the north gate.	4,487
	Do. ...	Do. ...	72	Demolition of out-houses, clearance of ditch and completion of walls.	...

B—*cont.*

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

Outlay.		Amount applied for 1889-90.			Item No.	Remarks and References.
Actual to end of 1887-88.	Probable during 1888-89.	Works in progress.	Works not commenced.	Total.		
Rs.	Rs.	Rs.	Rs.	Rs.		
...	...	...	8,112	...	64	G.O., No. 2615 W., dated 24th August 1888. Item No. 33, class C works, budget of 1888-89.
...	...	...	10,000	...	65	Estimate is awaited. Item No. 23, class C works, budget of 1888-89.
...	...	...	4,300	...	66	G.O., No. 1397 W., dated 4th June 1884. Item No. 42, class C works, budget of 1888-89.
...	...	...	10,000	...	67	Estimate is awaited. Item No. 19, class C works, budget of 1888-89.
...	...	...	8,248	...	68	G.O., No. 3114 W., dated 18th November 1887. Item No. 58, class C works, budget of 1888-89.
...	...	...	5,000	...	69	G.O., No. 528 W., dated 7th March 1885. Revised estimate is awaited. Item No. 12, class B works, budget of 1888-89.
...	...	...	7,426	...	70	Estimate is awaited. Item No. 59, class C works, budget of 1888-89.
...	...	...	4,487	...	71	G.O., No. 2447 W., dated 13th August 1888. Item No. 60, class C works, budget of 1888-89.
...	...	...	10,000	...	72	Estimate is awaited. Item No. 61, class C works, budget of 1888-89.

ORDNANCE DEPARTMENT.

No. 334 E. 18 117

FROM

THE DIRECTOR-GENERAL OF ORDNANCE, in India

TO

THE Secretary to the Govt of Madras
Public Works Department
Madras

Dated Simla, 17th April 1889.

1179

Sir,

Referring to the proceedings of the Government of Madras, No 516. M. Public Works dated the 20th February 1889, I have the honor to solicit that, in anticipation of the sanction of the Government of India which I have applied for, the sum of Rs: 5120, for improving the water supply of the Gun Carriage Factory, Madras, a scheme for which was approved in telegram No 262. M. W. dated Calcutta the 13th February 1889, to your address, may be re-allotted from the grant of Rs. 15,000 sanctioned for the construction during the current year, of quarters for Ordnance Non-Commissioned Officers at Bellary and that orders may be issued for the work

17

Vide Madras Government Order No 394 dated 18th December 1888, and this Office No 524 dated 27th February 1889.

17

to

to be taken in hand and pushed on to completion as soon as possible.—

I have the honor to be,
Sir,
Your most obedient servant

D.E. Lowis Colonel
Director Genl: of Ordce: in India

K.F. Lowis Lt.

1179

18

Fo. Aus 708 way 9-3-89
" Bu 584 way 28-2-89
" A 3945 way 18-12-88
" " 516 way 20-2-89

Public Works Department.

1199

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the

Read the following

From the Director General of Ordnance M. E. No: 334 & d/17th April 1889

The following transfer of funds is sanctioned:—

Imperial Military
Original Works.

From		To	
Constructing double quarters for the staff Serjeants attached to the Ordnance Department at Bellary	Rs 5,120	Improving the water supply of the Gun Carriage Factory at Ellavanas	Rs 5,120

2. Arrangements should be made to ~~put on to completion~~ complete as soon as possible, the improvement of the water supply of the Gun Carriage Factory, for which funds have been now provided.

26.4.89

To

The Suptg. Engr III circle.
" Suptg. Engr V circle.
" Examiner P.W. Accts. Military department
" Director General of Ordnance.

Rajs 29.4.89

Htte.

(11)

May

3

1179

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0/26/4 Ass. 80/4. Htm 29/4.

Govt. of 1889 Madras,

PUBLIC WORKS.

Dated 31 August 1889

Rcd. Encl.

G.O., 3d May 1889 No. 1179 W

Funds

=

Certain transfer
of —, sanctioned

120/4

20