2958 W 18-10-83 B
B 2772 W 3.10.83

Rec 26/10/83

No 3088 W d/ 31st Octr /83

B

Recorded with reference to G.O. No 2958 W d/ 18th October 1883.

C.Y.
29/10

B

Entd in Recpt Regr

O.L.S. 29/10.

M. 24/10

o. 996 M. W.

ERNMENT OF INDIA,

RY DEPARTMENT.

Simla, the 15th October 1883.

HE GOVERNMENT OF MADRAS,
PUBLIC WORKS DEPARTMENT.

ny to your letter No. 2772 W
r 1883, I am directed to
department letter No. 977 M.W.
1883, sanctioning the re-
upees 24,900/- for the Coast
t St George.

I am,
Sir,
most obedient servant,

J. E. Broadbent Captain,
cretary to the Govt. of India.

Recd 26/10/83

No. 3088 W dy 31st Octr/83

Recorded with reference to G.O. No. 2958 W dy 18th October 1883.

CJ.
29/10

Entd in Recpt Regtr

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of (1883) Madras.

PUBLIC WORKS.

Dated October, 18th.

Recd. *Encl.*

G.O., 18th Oct. 1883, No. 2958 W.

OCTOBER.

Coast Batteries, Madras

Letter from the Government of India allotting Rs. 24,900, including establishment and tools and plant, for the —, communicated to the Superintending Engineer, Fifth Circle.

18th October 1883, No. 2958 W., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

Read—the following papers:—

Telegram from the Secretary to the Government of Madras, Public Works Department, to the Secretary to the Government of India, Military Department, dated 22nd August 1883.

My number 1965 W. of 13th July, item five. Government urgently desires immediate commencement of the coast batteries, Madras, and wish additional assignment above budget limit of rupees twenty-two thousand to complete the works this year.

Telegram from the Superintending Engineer, Fifth Circle, dated 17th September 1883.

Telegram from the Superintending Engineer, Fifth Circle, to the Chief Engineer, Public Works Department, Ootacamund, dated 19th September 1883.

Executive Engineer can spend twenty-eight thousand rupees on coast batteries this year.

From Colonel G. CHESNEY, Secretary to the Government of India, Military Department, to the Secretary to the Government of Madras, Public Works Department, dated Simla, 8th October 1883, No. 977 M.W.

In reply to your telegram dated the 20th September 1883, I am directed to state, for the information of the Governor in Council, that the Government of India are unable to re-allot more than the amount, viz., Rs. 20,000, which was withdrawn in this department letter, No. 542 M.W., dated 14th June 1883, together with the authorised percentage thereon, amounting to Rs. 4,900, for establishment and tools and plant, for the coast defences of Madras. The sum of Rs. 24,900 only is therefore allotted for this work, including establishment and tools and plant, during the current financial year.

Copy to the Accountant-General, Public Works Department.

Telegram from the Government of India, dated 16th October 1883.

18TH OCTOBER 1883, No. 2958 W., PUBLIC WORKS.

ORDER—dated 18th October 1883, No. 2958 W., Public Works.

Communicated to the Superintending Engineer, Fifth Circle, for information and guidance. The allotment for *Works* has, it will be observed, been restricted to Rs. 20,000.

(True Extract.)

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

To the Superintending Engineer, Fifth Circle.
„ Examiner, Public Works Accounts.
„ Military Department.

Exd. A. F. Goodall.
Spare Copies

To

The Secretary
Defence Committee
Simla

Sir

In continuation of this office No. 1419 W dated 14th May 1883 I have the honor to inform you that the Govt. of India have withdrawn the grant of Rs 20000 provided in the Military works budget for 1883-84, on account of Coast Defences, pending sanction to an estimate.

Not now necessary

2. An estimate for completing the emplacement and improving the Store rooms &c. of the Coast Battery at Madras has since been sanctioned, in G.O. No. 1661 W of the 13th June 1883, for Rs. 42,320, and the Govt. of India have been

asked to re-allot the grant withdrawn -

B

As the estimate has been sanctioned, I think we may allow this to L.O. until we receive a reply from India to our application for a re-allotment of the amount.

C.G.
19/7

Sec.

20/7

Demand

Please let this lie for the present.

20/7

B Should this lie here still? It is now more than 2 mos!!

B.
26/9

to 50 W

27/9

19/7

No. 2772 W

Government of Madras,

PUBLIC WORKS DEPARTMENT.

To

The Secretary to the
Government of India
Military Departt.

3rd Octr. 1883.

Sir,

Adverting to this Office Nos. 1965 W dated 13th and 2098 W dated 31st July 1883, I am directed to request ~~that~~ the very early orders of the Government of India on the application for a re-allotment of the grant of Rs. 20,000 tentatively withdrawn on account of "Coast Defences" Fort St. George -

I have the honor to be
Sir,
Your most Obedt Servt
H. C. Bowden Major R.E.
Under Secy to Govt.
P.W.D.

SCW
4/10

Entd in Recpt Register

No. 128

FROM

THE SECRETARY, DEFENCE COMMITTEE,

TO

THE Quarter Master General
Madras Army
Ootacamun

SIMLA, 17th July 1883.

Sir

I am desired by His Excellency the President, Defence Committee, to solic the favor of your supplying for the information of the Committee a report with drawin shewing the position, design and arman —8 of the coast batteries at Madras, as at present constructed.

I have the honor to be
Sir
Your most obedient Servan

W. G. Nicholson —
Major R.
Secretary Defence Committe

O. Sec. 7082/83

1883

Simla - 17 July

Secy: Defence Committee

No: 128

[illegible] Cont No 85

Requests to be furnished with a Report with drawings shewing the positions - design & Armament of the Coast Batteries at Madras as at present constructed

Dz: No: 361

M. D. 4651/83

Flp

P.G. 25 May/83 No. 330-332.
19 Jan/82 - 353-354.

D.W.C. No. 7082

Military (1883) Department.

No. 4657

From

THE QUARTERMASTER-GENERAL,

To

THE SECRETARY TO GOVERNMENT,
MILITARY DEPARTMENT.

No. 4492

Transferred to the Public Works Department, for favr of compliance.

Colonel,
Secretary to Govt.

Ootacamund
15 August 1883

No. 5508

Dated 6 } August 1883
Recd. 8 }

Recd 18

No. 2346 W a/ 20-8-83

ENCLOSURES 1

Regarding report on the coast Batteries at Madras

Transferred

O.L.S. 19-8.

No. 2346 W

Proceedings of the Madras Government P.W. Department
Under date the 20th Aug /83. Read the following

Letter from the Qr. Master General No. 5508 of 6th August/83
Endorsement thereon by the Mily: Dept. No. 4492 of 15th August/83

The Superintending Engineer Fifth Circle will supply the required information direct to the Defence Committee.

16/8

17/8

Suptg. Engr. Fifth Circle
Military Department.

R.S.

No 2346 Wd/20-8-83

Entd in Recpt Register

No 1419 Wa/14-5-83

13

10/8/5

Entd. in Receipt Regr.

No. 81

From

THE SECRETARY, DEFENCE COMMITTEE,

To

THE Secretary to the Government of Madras
Public Works Department, Madras

Simla, 4th May 1883.

Sir,

C No 4748

I have the honor, by desire of His Excellency, the President of the Defence Committee, to invite reference to this Office No. 83 dated 15th August 1881, and to solicit the favor of a statement of any grants provided for expenditure during 1883/84, on Defensive Works, in the Madras Presidency.

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

W. G. Nicholson — Major R.E.
Secretary Defence Committee.

394 W.D. 11-2-82
2109 W. 25-8-81

P.W.C. No 3910 ✓

B/

Recd 10/5/83

No 1419 W a/14th May /83

To

The Secretary
Defence Committee
Simla

Sir

With reference to your No. 81 dated 6th May 1883 I have the honor to enclose a statement, showing the works and the grants required, in the Imperial / Military Works Budget Estimate for 1883-84, on account of Defensive Works in the Madras Presidency —

CE

11/5.

Dy. W.
15/5.

B/

[illegible]
10/5

[illegible]
10/5

394
210

Statement of grants sanctioned for expenditure during 1883-84 on Defensive Works in the Madras Presidency –

Name of Fort.	Particulars of Work to be executed	Amount of	
		Sanctioned Estimate	Grant for 1883-84
Fort St George	Mounting Ordnance - - - - - -	..	10,000
. . . Do . . .	Coast Defences - - - - - - - - -	..	20,000
	Total Rupees.	–	30,000

Note. The estimates for these works are under preparation –
Ordinary Annual Repairs and Maintenance charges not shown.

Madras
May 1883

10/5

No 1419 Wa/14-5-83

B

Seen
[illegible]
14

10/8/5 Entd. in Receipt Regr.

B No 394 Wa/11th Feby /82

10/6/2

13/

No. 394 W d/11th Feby 1882 P. W. Dept

To

The Secretary
Defence Committee
Simla.

Sir

Adverting to para 2 of your letter dated 15th Augt 1881 No 83, I am to state for the information of the Defence Committee that no provision has been made in the Budget Estimate for 1882-83 for expenditure on Fortifications in the Madras Presidency except annual repairs or other mere maintenance charges.

CH

10.2.82

despd 13-2-82

CH 9/2

3

13th July 1883, No. 1965 W., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

Read—the following papers :—

From Colonel G. CHESNEY, Secretary to the Government of India, Military Department, to the Secretary to the Government of Fort St. George, Public Works Department, dated Simla, 14th June 1883, No. 542 M.W.

I am directed to acknowledge the receipt of your endorsement, No. 1184 W., dated 20th April 1883, forwarding copies of the final issue of the Budget Estimate for Military Works in the Madras Presidency for the year 1883-84, with copies of the orders of the Governor in Council and connected papers.

2. The Government of India have carefully considered the views of Sir Frederick Roberts, contained in the Quartermaster-General's letter, No. 85, dated 13th April 1883, and they are willing to accept generally his recommendations. But it is essential to the economical administration of the limited funds available for Military Works that no departure be permitted from the rules of the Public Works Department with respect to sanctioned estimates. If works are commenced before estimates are prepared, the Government of India may be committed without their knowledge or consent to an expenditure disproportionate to the need ; while if allotments are made in anticipation of the estimate being sanctioned, this tends to promote the preparation of hasty and ill-considered estimates. The allotments proposed for the works entered in the final issue of the Budget Estimate for the works enumerated in the margin, and for which no estimates have yet been sanctioned, are therefore withdrawn and placed to the reserve with the Government of India. But if the estimates are sanctioned at an early date, the Government of India will be prepared to consider applications for the re-allotment of funds from their reserve.

	RS.
Class A—	
Item No. 4.—Stables for one Field Battery, Bellary	10,000
Item No. 5.—Gymnasium, Fort St. George ..	5,000
Class B—	
Item No. 2.—Public Buildings for Cavalry Regiment, Bangalore	15,000
Item No. 3.—Latrines for Sappers and Miners	3,800
Item No. 5.—Coast Defences, Fort St. George.	20,000
Item No. 6.—Bakery, Cannanore	5,000
Item No. 7.—Bakery, Wellington	8,000
Total ..	66,800

3. With reference, however, to the provision of stables both at Bellary and elsewhere, I am directed to state that the Government of India is averse to sanctioning the construction of stables until they are satisfied that the want is to be met in the most economical manner consistent with efficiency. I am therefore to request that the design and estimate for the Bellary stables when ready may be forwarded for the consideration of the Government of India with the application for funds for the work, and that meanwhile no expenditure on them may be allowed.

4. I am also to request some further explanation regarding the "public buildings" for the cavalry regiment at Bangalore, as no entry of this kind has a place in the lists of authorised accommodation for the various arms of the service.

5. I am to say that it is not understood why the Sappers and Miners should not be able to construct their own latrines without coming to the Public Works Department for help.

6. It is observed that, notwithstanding the instructions conveyed in paragraph 6 of the Orders of the Government of India on the Preliminary Budget Estimate, the Boys' Hospital for the Lawrence Asylum at Ootacamund has been entered in Appendix B of the final issue of the Budget. I am to say that the Government of India are not prepared to sanction any further expenditure on the Asylum buildings.

7. I am to add that, judged by the tests of estimates, it would appear that the grants to Madras, limited although they may be, appear to be beyond the capacity of the local Public Works Department to spend. The first condition for making a grant of funds is that approved designs and estimates shall be ready for the work for which the grant is required. In this most important respect the procedure of the Public Works Department, Madras, so far as regards military buildings, leaves a great deal to be desired.

Copy of the above forwarded to the Public Works Department for information.

From Colonel G. CHESNEY, Secretary to the Government of India, Military Department, to the Secretary to the Government of Madras, Public Works Department, dated Simla, 20th June 1883, No. 561 M.W.

I am directed to acknowledge the receipt of your letter, No. 1418 W., dated 14th May 1883, relative to the provision of a hospital for the boys of the Lawrence Asylum at Ootacamund, and in reply to say, in continuation of what was said in paragraph 6 of Military Department letter, No. 542 M.W., dated 14th June 1883, that the Government of India are not prepared to sanction any further expenditure at present on the Asylum buildings.

ORDER —dated 13th July 1883, No. 1964 W., Public Works.

In the orders of the Government of India above recorded a sum of Rs. 66,800 has been withdrawn from the grant for Major Works, Military, the specific appropriations making up this amount being detailed in paragraph 2 of their letter, No. 542 M. W., dated 14th June 1883. The withdrawal of these allotments is tentative, pending sanction to the estimates for the works in question. Orders * have already issued prohibiting expenditure on works "unprovided with duly sanctioned estimates," and the attention of Superintending Engineers is again called to the necessity of losing no time in submitting for sanction estimates for all works brought forward for execution in the Military Works Budget of the current year.

* G.O., No. 1183 W., dated 20th April 1883.

Class A.—As regards *Item 4, Stables for one Field Battery, Bellary*, it is observed that the plans and estimates were laid before the Government of India with letter from this Government, No. 1263 W., dated 30th April 1883, and that orders for proceeding with the work are now awaited.

Item No. 5, *Gymnasium, Fort St. George.*—There should apparently be no difficulty in utilizing the allotment for this work when the estimates have been duly sanctioned.

Class B.—Item No. 2, *Public Buildings for Cavalry Regiment, Bangalore.*—The arrangements regarding this are understood to be in train. It is remarked that until the requisite preliminaries are settled, the estimates cannot well be framed. The Government of India will be further addressed on the subject when the estimates are ready.

Item No. 3, *Latrines for Sappers and Miners, Bangalore.*—The observations of the Government of India in regard to this item will be considered in the Military Department.

Item No. 5, *Coast Defences, Fort St. George.*—The estimate for this work was sanctioned in G.O., No. 1661 W., dated 13th June 1883, copy of which will now be forwarded to the Government of India with a request that the Budget grant of Rs. 20,000 may be re-allotted.

Items Nos. 6 *and* 7, *Bakeries at Cannanore and Wellington.*—The Inspector-General of Military Works has, it is understood, been referred to by the Chief Engineer in regard to standard or approved designs for works of this character, in view to their adoption in this Presidency if found suitable. Meanwhile estimates are being framed on available data.

It is much regretted that, notwithstanding the urgent representation made to the Government of India in reference to the need of hospital accommodation at the Boys' School, Lawrence Asylum, the entry of the work has now been peremptorily expunged from the Budget.

In reference to paragraph 7 of the earlier letter of the Government of India recorded above, His Excellency the Governor in Council is not prepared to judge, by the test of the estimates now under special notice, the capacity of the Local Public Works Department to spend the limited grants for Military Works. Much larger grants could be very profitably utilized if sanctioned works only, of which there are a great number uncommenced, were brought forward for execution by the Military authorities. But urgent demands are constantly arising, and priority is conceded to these while the Budget lists are under consideration. The consequence is that the budget, as presented to the Government of India, contains works which have still to be estimated for in detail.

(Here enter No. 1965 W., dated 13th July 1883.)

(True Extract.)

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

To Superintending Engineers.
To the Examiner, Public Works Accounts.
" Military Department.
" Financial do.
" Accountant-General, Madras.

ENDORSEMENT—dated 13th July 1883, No. 1965 W., Public Works.

Copy of the above forwarded to the Government of India.

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

Exd. A. F. Goodall.
Spare Copies

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1883} Madras.

PUBLIC WORKS.

Dated July, 13th.

Recd. *Encl.*

G.O., 13th July 1883, No. 1965 W.

JULY.

Final Issue of the Military Works Budget Estimate for 1883-84

FORWARDING orders on letter from the Government of India reviewing the —.

FINAL ISSUE.

IMPERIAL.
MILITARY WORKS.

MADRAS.

PUBLIC WORKS DEPARTMENT.

IMPERIAL BUDGET-ESTIMATE
OF
MILITARY WORKS
OF THE
GOVERNMENT OF MADRAS
FOR THE YEAR
1883-84.

CHEPAUK,
31st July 1883.

(Signed) R. H. SANKEY, Major-General, R. E.,
Secretary to Government, P.W.D.

IMPERIAL.
MILITARY WORKS.

MADRAS.

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DITTO ditto OF EXPENDITURE	2, 3
DETAILS OF THE BUDGET-ESTIMATE OF EXPENDITURE—	
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APPENDIX B.—LIST OF CLASS C WORKS	10—13

REVENUE.

ABSTRACT OF THE BUDGET-ESTIMATE OF REVENUE OF THE PUBLIC WORKS DEPARTMENT FROM MILITARY WORKS IN MADRAS FROM 1st APRIL 1883 TO 31st MARCH 1884.

—	Budget Estimate, 1883-84.	Regular Estimate, 1882-83.	Budget Estimate, 1882-83.	Actuals, 1881-82.
	Rs.	Rs.	Rs.	Rs.
In Public Works Department	30,000	30,000	30,000	46,836
In Civil and Military Departments	...	...	...	...
Total ...	30,000	30,000	30,000	46,836

CHARGES.

ABSTRACT OF THE BUDGET-ESTIMATE OF EXPENDITURE OF THE PUBLIC WORKS DEPARTMENT OF MILITARY WORKS IN MADRAS FOR THE YEAR FROM 1st APRIL 1883 TO 31st MARCH 1884.

—		Reference to Detailed Estimate.	Budget Estimate, 1883-84.	Regular Estimate, 1882-83.*	Budget Estimate, 1882-83.	Actuals, 1881-82.
		Page.	Rs.	Rs.	Rs.	Rs.
Original Works.	In progress ...	4—7	1,00,000	2,72,101	60,361	1,15,574
	Not commenced.	8, 9	39,987		1,57,163	
Repairs	Ordinary ...	...	2,75,000	2,93,710	2,75,000	2,69,097
	Special ...	...	...	...	...	...
Establishment		...	96,988	1,16,678	1,15,126	96,161
Tools and Plant		...	6,225	7,511	12,350	9,603
Suspense Account		...	...	...	...	...
Total ...		...	5,18,200	6,90,000	6,20,000	4,90,435

Note.—The difference between the Budget and Regular Estimate for 1882-83 under Original Works is due chiefly to the supplemental grant sanctioned by the Government of India for the purchase of the building in Fort St. George known as "The Exchange House."

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* The distribution corresponds with the entries in the Examiner's books.

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

—	BUDGET-ESTIMATE, 1883-84.									Regular Estimate, 1882-83.	Budget Estimate, 1882-83.	Actuals, 1881-82.
	Original Works.											
	In progress.	Not commenced.	Total.	Repairs.	Establishment.	Tools and Plant.	Suspense Account.	Barrack Department.	Total.			
Provision from Imperial Funds.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs	Rs.	Rs.	Rs.	Rs.	Rs.
In India ...	1,00,000	39,987	1,39,987	2,75,000	96,988	6,225	...	..	5,18,200	6,90,000	6,20,000	4,90,435
In England.	...	...	...	...	...	...	...	...	...	...	...	...
Total ...	1,00,000	39,987	1,39,987	2,75,000	96,988	6,225	...	...	5,18,200	6,90,000	6,20,000	4,90,435
Provision from Contributions.												
In India ...	...	...	...	...	...	...	...	...	...	...	...	...
Grand Total.	1,00,000	39,987	1,39,987	2,75,000	96,988	6,225	...	...	5,18,200	6,90,000	6,20,000	4,90,435

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

—	BUDGET-ESTIMATE, 1883-84.						Regular Estimate, 1882-83.	Budget Estimate, 1882-83.	Actuals, 1881-82.
	Original Works.								
	In progress.	Not commenced.	Total.	Tools and Plant.	Suspense Account.	Total.			
		...		*Nil.*					

PART I.

DETAIL OF THE BUDGET-ESTIMATE FOR ORIGINAL WORKS FOR THE YEAR 1883-84.

CLASS A WORKS.

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.	Outlay.		Grant, 1883-84.									Item No.	Remarks and References.
								Normal.			Special.			Total.				
						Actual to end of 1881-82.	Probable during 1882-83.	Works in progress.	Works not commenced.	Total.	Works in progress.	Works not commenced.	Total.	Works in progress.	Works not commenced.	Total.		
					Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.		
				IMPERIAL ORDINARY. Military. *Original Works.*														
(1) *Accommodation for troops*—Buildings for European troops in the plains. Permanent.				Barracks for European troops at Poonamallee.	2,70,506	22,104	28,835	...	...	...	...	...	...	...	...	...		
	Chingleput.	Poonamallee.	1	New double-storied barracks for 200 men with out-houses.	1,66,885	22,104	28,835	...	...	...	10,000	...	10,000	10,000	...	10,000	1	Sanctioned by the Government of India, Register No. 38 M.W. of 1878-79. G.O., No. 465 W., of 19th Feb. 1879. Item No. 1 of Class A Works of Budget of 1882-83.
				New quarters for thirty families with out-houses.	82,300													
				Do. for Apothecary	7,150													
				Alterations to existing buildings and demolitions.	18,476													
					2,74,811													
				Deduct value of old materials.	4,305													
					2,70,506													
	Do.	St. Thomas' Mount.	2	New barracks for Royal Artillery.	1,27,750	17,672	21,834	...	...	...	30,000	...	30,000	30,000	...	30,000	2	G.O., No. 1894 W., of 25th July 1882. Item No. 2 of Class A Works of Budget of 1882-83.
	Coimbatore.	Malapuram.	3	Barracks for detachment British Infantry to accommodate 100 men.	90,830	...	21,568	...	...	...	40,000	...	40,000	40,000	...	40,000	3	G.O., No. 1840 W., of 18th July 1882. Item No. 3 of Class A Works of Budget of 1882-83.
(2) *Ordnance Works.*	Presidency.	Madras ...	4	Improvements to the Gunpowder Factory.	2,24,105	1,83,879	20,000	...	...	...	20,000	...	20,000	20,000	...	20,000	4	Estimate of Rs. 2,24,105 sanctioned in G.Os., No. 2740, of 31st October 1879, No. 428 W. of 17th February 1881, No. 2489 W. of 10th October 1881, No. 2813 W. of 12th June 1881, No. 425 W. of 10th February 1882, No. 1399 W. of 5th June 1882, and No. 3274 W. of 12th December 1882. Further estimates awaited. Item No. 16, Class A Works of Budget of 1882-83.
				Composition Mills, one group, viz. :— 1 Charcoal pulverizing room. 1 Sulphur do. ... 1 House for 8 Horse-power engine with tin boilers. 1 Tank	24,800	...	...	...	...	...	...	...	...	...	...	...		Estimate for Rs. 2,24,105 approved by G.O.I. in No. 34 M.W., dated 10th January 1883, see G.O., No. 187 W., dated 16th January 1883.
				Carried over ...	...	...	...	...	...	...	1,00,000	...	1,00,000	1,00,000	...	1,00,000		

PART I—*cont.*

DETAIL OF THE BUDGET-ESTIMATE FOR ORIGINAL WORKS FOR THE YEAR 1883-84—*cont.*

CLASS A WORKS—*cont.*

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.	Outlay.		Grant, 1883-84.									Item No.	Remarks and References.
								Normal.			Special.			Total.				
						Actual to end of 1881-82.	Probable during 1882-83.	Works in progress.	Works not commenced.	Total.	Works in progress.	Works not commenced.	Total.	Works in progress.	Works not commenced.	Total.		
					Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.		
				Brought forward ...	...	...	...	...	...	...	1,00,000	...	1,00,000	1,00,000	...	1,00,000		
				IMPERIAL ORDINARY—*cont.*														
				MILITARY—*cont.*														
(2) *Ordnance Works*—cont.				*Original Works*—cont.														
				Improvements to the Gunpowder Factory—*cont.*														
				Glazing and dusting houses, one group, viz. :— 1 Glazing-house ... ... 1 Dusting do. ... ... 1 House for 12 Horse-power engine and tin boilers. 1 Watch-house ... ... 1 Deposit Magazine ... 1 Tank ... ... Complete with traverses, tramways, roads, &c.	...	...	...	...	...	...	...	...	...	...	...	...		
				Incorporating Mills, one group, No. 3, viz. :— 6 Mill-rooms ... ... 1 House for 25 Horse-power engine with tin boilers. 1 Green Charge Deposit Magazine. 2 Watch-houses ... ... 1 Tank ... ... Complete with tramways and roads.	...	...	...	...	...	...	...	...	...	...	...	...		
				1 Master Worker's house ... 1 Master Refiner's do. ...	...	...	...	...	...	...	...	...	...	...	...	...		
				1 Drying-house	...	...	...	...	...	...	...	...	...	...	...	...		
				Pebble-cutting house ... 1 Granulating-house to be converted into a pebble-cutting machine-house.	...	...	...	...	...	...	...	...	...	...	...	...		
				New additional compound walls. 2 Bridges	...	...	...	...	...	...	...	...	...	...	...	...		
				Total ...	...	...	...	...	...	...	1,00,000	...	1,00,000	1,00,000	...	1,00,000		

PART I—*cont.*

DETAIL OF THE BUDGET-ESTIMATE FOR ORIGINAL WORKS FOR THE YEAR 1883-84—*cont.*

CLASS B WORKS.

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.	Outlay.		Grant, 1883-84.									Item No.	Remarks and References.
								Normal.			Special.			Total.				
						Actual to end of 1881-82.	Probable during 1882-83.	Works in progress.	Works not commenced.	Total.	Works in progress.	Works not commenced.	Total.	Works in progress.	Works not commenced.	Total.		
					Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.		
				IMPERIAL ORDINARY. Military. *Original Works.*														
(1) *Accommodation for troops*— Buildings for European troops in the plains. Permanent.	Presidency.	Bangalore.	1	Alterations and additions to wash-houses for the British Infantry.	12,500	...	...	...	...	...	...	8,000	8,000	...	8,000	8,000	1	G.O., No. 1102 W., of 7th May 1880. Item No. 8, Class C Works of Budget of 1882-83.
(2) *Ordnance works*	Presidency.	Fort St. George.	2	Mounting Ordnance	...	...	...	...	...	...	...	10,000	10,000	...	10,000	10,000	2	Estimate awaited.
			3	Minor Works	...	...	...	...	21,987	21,987	...	...	...	...	21,987	21,987	3	...
			...	Total ...	...	...	...	...	21,987	21,987	...	18,000	18,000	...	39,987	39,987		

ART
FOR
APPENDIX B.

LIST OF WORKS (OR CLASS C WORKS) OMITTED FROM THE BUDGET-ESTIMATE OF 1883-84 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.		Grant, 1883-84.									Item No.	Remarks and References.
								Normal.			Special.			Total.				
						Actual to end of 1881-82.	Probable during 1882-83.	Works in progress.	Works not commenced.	Total.	Works in progress.	Works not commenced.	Total.	Works in progress.	Works not commenced.	Total.		
				IMPERIAL ORDINARY.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.		
				MILITARY.														
				Original Works.														
(1) *Accommodation for troops*—Buildings for European troops in the plains. Permanent.	Chingleput.	St. Thomas' Mount.	1	Plunge-bath for Royal Artillery.	...	...	...	...	...	...	...	...	...	...	...	...	1	Estimate awaited.
	Do.	Do.	2	Coffee shops, three in number, one for each, North, South, and the New Artillery Barracks.	...	...	...	...	...	...	...	...	...	...	...	...	2	Do.
	Coimbatore.	Malapuram.	3	Canteen for Detachment, British Infantry.	...	...	...	...	...	...	...	...	...	...	...	...	3	Do.
	Do.	Do.	4	Gymnasium for do. ...	...	...	...	...	...	...	...	...	...	...	...	...	4	Do.
	Do.	Cannanore.	5	Plunge-bath for do. ...	4,690	...	...	...	...	...	...	...	...	...	...	...	5	G.O., No. 418, of 10th February 1876.
	Do.	Do.	6	Improving Latrines of the British Infantry.	2,780	7	...	...	...	...	...	...	...	...	...	...	6	G.O., No. 1056, of 4th April 1879.
(1)	Do.	Do.	7	Providing a boarded floor for the Hospital of the European Infantry.	5,570	...	364	...	...	...	...	...	...	...	...	...	7	G.O., No. 3335 W., dated 16th December 1882.
	Bellary ...	Bellary ...	8	Infectious Ward of Station Hospital.	...	...	...	...	...	...	...	...	...	...	...	...	8	Estimate awaited.
	Do.	Do.	9	New gun shed with collar-maker's and wheeler shop combined for the Royal Artillery.	...	...	...	...	...	...	...	...	...	...	...	...	9	Do.
(1) *Accommodation for Troops.*	Do.	Do.	10	Constructing Stables for one Field Battery.	10,000	...	...	...	...	...	...	...	...	...	...	...	10	G.O., No. 2099 W., dated 1st August 1883.
(1)	Do.	Do.	11	New pattern Punkahs for half a Battalion of British Infantry.	5,000	...	3,025	...	...	...	...	...	...	...	...	...	11	G.O., No. 427 W., dated 11th February 1879.
	Presidency.	Bangalore.	12	Garrison Gymnasium of the Fourth Class.	44,600	1,788	...	...	...	...	...	...	...	...	...	...	12	G.O., No. 1560, of 21st June 1876.
	Do.	Do.	13	Quarters for School Master and School Mistress of the British Infantry.	6,120	...	...	...	...	...	...	...	...	...	...	...	13	G.O., No. 3066 W., of 2nd December 1879.
	Do.	Do.	14	Converting some of the married quarters for three Staff Sergeants quarters.	2,930	...	...	...	...	...	...	...	...	...	...	...	14	Do. do.
	Do.	Do.	15	Quarters for the Apothecary, North Station Hospital, including stables, godown, &c.	...	...	...	...	...	...	...	...	...	...	...	...	15	Estimate awaited.
	Do.	Do.	16	Quarters for an Assistant Apothecary, North Station Hospital.	...	...	...	...	...	...	...	...	...	...	...	...	16	Do.
(1)	Do.	Fort St. George.	17	A covered gymnasium to be erected in the Ball Ally of the European Regiment.	...	...	...	...	...	...	...	...	...	...	...	...	17	
(1)	Do.	Do.	18	Purchase of "Exchange House"	70,000	...	61,600	...	...	...	...	...	...	...	...	...	18	G.O. No. 751 W., dated 18th March 1881, and No. 2724 W., dated 19th October 1882.
				Carried over ...	...	...	...	...	...	...	...	...	...	...	...	...		

APPENDIX B—*cont.*

LIST OF WORKS (OR CLASS C WORKS) OMITTED FROM THE BUDGET-ESTIMATE OF 1883-84 BUT ON WHICH EXPENDITURE MAY BE INCURRED DURING THE YEAR BY RE-APPROPRIATION FROM CLASS B WORKS—*cont.*

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.	Outlay.		Grant, 1883-84.									Item No.	Remarks and References.
						Actual to end of 1881-82.	Probable during 1882-83.	Normal. Works in progress.	Normal. Works not commenced.	Normal. Total.	Special. Works in progress.	Special. Works not commenced.	Special. Total.	Total. Works in progress.	Total. Works not commenced.	Total. Total.		
					Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.		
				Brought forward ...														
				IMPERIAL ORDINARY—*cont.*														
				MILITARY—*cont.*														
				Original Works—cont.														
Buildings for European troops in the hills. Permanent.	Nílgiri ...	Wellington.	19	Drainage pipe for the remaining block, the same as No. 5 block.	...	...	...	...	...	...	...	...	...	...	...	...	19	Estimate awaited.
	Do.	Do.	20	New flooring to latrines of barracks and family quarters.	...	...	...	...	...	...	...	...	...	...	...	...	20	Do.
	Do.	Do.	21	Bath-room to wash-houses ..	3,120	...	...	...	...	...	...	...	...	...	...	...	21	G.O., No. 1472 W. of 4th June 1874.
	Do.	Do.	22	Constructing a Female Hospital at the Wellington Depôt.	...	...	...	...	...	...	...	...	...	...	...	...	22	Estimate awaited.
	Do.	Do.	23	Extending the 6" water main pipe from the barrack square to the married quarters at.	9,530	...	98	...	...	...	...	...	...	...	...	...	23	G.O., No. 198 W. of 18th January 1882.
(1)	Presidency.	Bangalore.	24	Public buildings for Cavalry Regiment.	...	...	...	...	...	...	...	...	...	...	...	...	24	
(1)	Do. ...	Do. ...	25	Constructing two Latrines for the Queen's Own Sappers and Miners.	...	...	...	...	...	...	...	...	...	...	...	...	25	
(1)	Do. ...	Do. ...	26	Constructing an additional room to the School of the Queen's Own Sappers and Miners.	3,500	...	1,500	...	...	...	...	...	...	...	...	...	26	G.O., No. 2155 W., dated 31st August 1881.
(1) *Accommodation for troops*—Buildings for Native troops.	Do. ...	Do. ...	27	Additional married quarters for European Non-Commissioned Officers, Queen's Own Sappers and Miners.	5,240	...	...	...	...	...	...	...	...	...	...	...	27	G.O., No. 1518 W. of 17th June 1881.
	Trichinopoly.	Trichinopoly.	28	Public buildings for Native Infantry Regiment.	...	...	...	...	...	...	...	...	...	...	...	...	28	Estimate awaited.
	Chingleput.	Pallávaram.	29	One mortuary room for each of the four hospitals, Nos. 1 to 4.	...	...	...	...	...	...	...	...	...	...	...	...	29	Do.
	Do.	Do.	30	New line for one Native Infantry Regiment.	...	...	...	...	...	...	...	...	...	...	...	...	30	Do.
	Ganjam ...	Berhampore.	31	Armourer's shop	...	...	...	...	...	...	...	...	...	...	...	...	31	Do.
	Trichinopoly.	Trichinopoly.	32	Family quarters enlarged for the 30th Regiment Native Infantry.	...	...	...	...	...	...	...	...	...	...	...	...	32	Do.
	Do.	Do.	33	Four latrines for do. do. ...	...	...	...	...	...	...	...	...	...	...	...	...	33	Do.
				Carried over ...	...	...	...	...	...	...	...	...	...	...	...	...		

APPENDIX B—*cont.*

LIST OF WORKS (OR CLASS C WORKS) OMITTED FROM THE BUDGET-ESTIMATE OF 1883-84 BUT ON WHICH EXPENDITURE MAY BE INCURRED DURING THE YEAR BY RE-APPROPRIATION FROM CLASS B WORKS—*cont.*

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.	Outlay.		Grant, 1883-84.									Item No.	Remarks and References.
								Normal.			Special.			Total.				
						Actual to end of 1881-82.	Probable during 1882-83.	Works in progress.	Works not commenced.	Total.	Works in progress.	Works not commenced.	Total.	Works in progress.	Works not commenced.	Total.		
					Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.		
				Brought forward ...														
				IMPERIAL ORDINARY—*cont.*														
				MILITARY—*cont.*														
				Original Works—cont.														
(2) *Ordnance works.*	Presidency.	Madras ...	34	Completing the emplacements and improving the store rooms, &c., of the Coast Batteries.	42,320	...	...	...	...	...	...	...	...	...	...	...	34	G.O., No. 1661 W., dated 13th June 1883.
(2) *Do.* ...	Do.	Do.	35	Improvements to the barrel machine shop at the Gun Carriage Factory.	4,030	...	...	...	...	...	...	...	...	...	...	...	35	G.O., No. 2413 W., of 16th September 1882.
	Do.	Bangalore.	36	Ordnance buildings	...	...	...	...	...	...	...	...	...	...	...	...	36	Estimate awaited.
	Bellary ...	Bellary ...	37	Repairing Lower Fort ...	...	...	...	...	...	...	...	...	...	...	...	...	37	G.O., No. 1919 W., of 9th July 1883.
(3) *Commissariat Buildings.*	Do.	Do.	38	Constructing a double slaughter-house for use of the Commissariat Department.	7,210	...	603	...	...	...	...	...	...	...	...	...	38	G.O., No. 136 W., dated 13th January 1883.
(3) *Do.* ...	Presidency.	Madras ...	39	Sheds for the public cattle and lines for their attendants.	...	...	...	...	...	...	...	...	...	...	...	...	39	G.O., No. 1919 W., of 9th July 1883.
	Coimbatore.	Malapuram.	40	Quarters for a Commissariat Staff Sergeant.	...	...	...	...	...	...	...	...	...	...	...	...	40	Do.
(3) *Do.* ...	Do.	Cannanore.	41	Constructing a Bakery	...	...	...	...	...	...	...	...	...	...	...	...	41	
(3) *Do.*	Nílgiri ...	Wellington.	42	Do. do.	...	...	...	...	...	...	...	...	...	...	...	...	42	
	Presidency.	Madras ...	43	Converting the late Superintending Engineer's Office at Guindy into a Commissariat Slaughter-house.	11,800	...	...	...	...	...	...	...	...	...	...	...	43	G.O., No. 1399 W., of 12th May 1883.
	Do.	Do.	44	Quarters for station butcher ...	...	...	...	...	...	...	...	...	...	...	...	...	44	Do.
	Do.	Do.	45	Quarters for three Warrant and five Non-Commissioned Officers of the Commissariat Department.	26,740	...	...	...	...	...	...	...	...	...	...	...	45	G.O., No. 1836 W., of 2nd July 1883.
(7) *General Cantonment works.*	Nílgiri ...	Wellington.	46	Water-supply improvements ...	...	...	...	...	...	...	...	...	...	...	...	...	46	Do.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

Letter—from
Major-General R. H. SANKEY, C.B., 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 your letter, No. 637 M.W., dated 11th July 1883, I am directed to forward the final issue of the Budget Estimate for Military Works in the Madras Presidency, revised according to the orders passed in your letter, No. 542 M. W., dated 14th June 1883.

2. The works for which allotments were tentatively withdrawn in paragraph 2 of the later letter above quoted have been wholly omitted, and I am to observe that this course has been adopted to save time. The estimate for "Coast Defences, Fort St. George," has however been sanctioned, and the Government of India have been requested in this Office No. 1965 W., dated 13th July 1883, to re-allot the Budget grant of Rs. 20,000. An estimate for the Bakery at Cannanore has been received and approved, and the papers will shortly be forwarded to the Government of India in view to the Budget grant being re-allotted. An estimate for stables for one Field Battery at Bellary will also be shortly sanctioned, and the Government of India will be addressed on the subject of funds for the work.

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

(Signed) R. H. SANKEY, Major-General, R.E.,
Secretary to Govt., P.W.D.

Ootacamund,
31st July 1883.

Exd. J. W. Fischer.
Spare Copies

GENERAL.
ACCOUNT.

Govt. of {1883} Madras.

PUBLIC WORKS.

Dated July, 31st.

Recd, Encl.

31st July 1883, No. 2098 W.

JULY.

Madras Military Works Budget, 1883-84

FORWARDING the final issue of the — revised as required by the Government of India.

Office of the Defence Committee;
SIMLA,

No.

August 1881.

To The Secretary to Government of
Madras Public Works Deptt.
Madras.

Sir,

I am directed to state that the Defence Committee will feel much oblig if the Madras Government will be so good as to cause them to be supplied with a statement (in annexed form) shewing what sums, if any, have been provided in the Budget Estimates of the Current year, for expenditure on Fortifications in the Madras Presidency: i.e. on new works, or for remodelling and improving existing Defences; (ordinary annual repairs or other mere maintenance charges need not be included in the statement.) The Committee would also be glad if it could be arranged to keep them informed of any changes made in such grants during the year.

2 It would also be of much use to the Committee if the Government of Madras would cause them to be supplied with similar information in succeeding years as soon as orders have been passed

on

on the Budget Estimates.

P. W. C. No. 4748

E-1

Recd: 22nd Aug: 81

I have the honor to be
Sir,
your most obedient Servant
Hildebrand Captain R.E.
Secretary Defence Committee

d/

P.C

Entd. in Receipt Regr

Form of Statement required

Statement of grants sanctioned for expenditure during 1881-82 on Defensive Works in ~~the~~ Madras Presidency

Name of Fort	Particulars of Work to be executed	Amount of	
		Sanctioned Estimate	Grant for 1881-82
	Nil.		

Pr Encl 4748/81

No. 2109 W PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 25th Augt. 1881.

Read the following :—

From the Secretary to the Defence Committee No. 83 d/ 15 August 1881.

The Defence Committee at Simla will be informed that no provision has been made in the Budget Estimate for 1881-82 for expenditure on Fortifications in the Madras Presidency, except annual repair or other usual maintenance charges, and that there is no likelihood of any such expenditure being ~~made~~ incurred during the remaining portion of the present financial year.

2. The Committee's request that similar

2109

information may be furnished to them annually after orders have been passed on the Budget Estimates will be noted.

Ch

D. 23/8

B. N. 2109 W of 25 Augt 1881

To The Secy: to the Defence Committee

J Millar

Despd
25-8-81