Imperial
Military Works

120

Madras.
89

Appendix B. contd

List of Works (or class Charges) omitted from the Budget Estimate 1882-83, but in which Expenditure may be incurred during the year by sic. appropriation from class B Works - contd

No.	Head of Service	Locality	Nature of Work	Amount provided in Budget Estimate 1882-83	Actually Incurred during 1882-83	Amount required in 1883-84	Remarks & Reference
	Cantonment Drainage	Local & Regtl Works					
44	Commissariat Dept. Madras Works. contd	Bellary	44 Sheds for public cattle and lines for their attendants	"	"	44 Estimate awaited	
45	Do	Coimbatore	Malleh. 45 Quarters for Commissariat Establishment.	"	"	45 Estimate awaited	
46	Do	Do	46 Purchase of Dr Wallis house at Lawrence Depot	7500		46 —— Do ——	
47	Do	Do	47 Purchase of Farrier Sergt's house at Do	1500		47 —— Do ——	
48	General Religious Cantonment Works	Wellington	48 Water Supply improvements	"	"	48 Estimate awaited	

Imperial
Military Works

18 ... 19 ... Madras

List of Works for class C Works omitted from the Estimate of this year by re-appropriation from class B Works

No.	Class	Head of Classification	Division	Locality	Item No.	Description of Work	Item No.	Remarks & References
		Vizagapatam	Vizagapatam		35	Regimental Store rooms to be included as Storage for Ordnance		
		Chingleput	Palaveram		36	Mess Line for one Native Regiment		
		Tanjore	Berhampore		37	Armourers Shop		
		Trichinopoly	Trichinopoly		38	Four Latrines for the 30th Native Infantry		
		Do	Do		39	Proposed enlargement & metalling outer Verandahs to 20 L.D. Barracks		
(2)	Ordnance Works.	Presidency	Head Quarters		40	Improvement to the Machine Shop & the four Carriage Factory.		
(3)	Commissariat Works	Do	Do		41	Quarters for Clerks		
		Chingleput	Guindy		42	Connecting the Lat Pipe at Guindy with a Regimental Cantonment		

Works for which Expenditure may be incurred during the

88

Estimate of Grants for 52-53

Estimated Cost of Work	Item No.	Estimated Cost completed	Total Grant for 52-53	Item No.	Remarks & References
	35			35	Estimate awaited
	36			36	Estimate awaited
	37			37	Estimate awaited
	38			38	Estimate awaited
	39			39	Estimate awaited
	40			40	Estimate awaited
	41			41	Estimate awaited
	42			42	Estimate awaited

Imperial
Military Works

Abstract

List of Works (or Class C Works) omitted from the Budget Estimate
the Year by re-appropriation from Class B Works — Contd.

No.	Head of Service	Locality	Item No.	Projects and Works	Amount	Remarks & References
1	Accommodation for troops	Presidency	Madras	24/25	New Regimental School at the Peramboor lines	
	Building for native troops	Do	Do	25/26	Two latrines for the Regimental lines at Royapooram	
		Chingleput	Pallavaram	26/27	One mortuary room for each of the three hospitals in the	
		Do	11th Regt Do Present	27/28	Regimental Magazine	
		North Arcot	Vellore	28/29	School house for a native Infantry Regiment	
		Presidency	Bangalore	29/30	Accommodation for one Regiment of native Infantry	
		Trichinopoly	Trichinopoly	30/31	Accommodation for a third Regiment of native Infantry as above	
		Do	Do	31/32	Two latrines for native Infantry Regiment	
		Coimbatore	Dindigul	32/33	Magazine for native Infantry Barracks	
		Do	Do	33/34	Store room for — do —	
		Trichinopoly	Trichinopoly	34/35	School room for 100 pupils of 30	

Contd. 17 Madras

1882-83 for or which Expenditure may be incurred during

Item No.	Projects and Works	Amount	Remarks & References
		24/25	Estimate awaited
		25/26	Estimate awaited
		26/27	Estimate awaited
		27/28	Estimate awaited
		28/29	Do
		29/30	Do
		30/31	Estimate awaited
		31/32	Do
		32/33	Do
		33/34	Do
		34/35	Do

Imperial
Military Works

15

Appendix

List of works (or class C. works) omitted from the Budget Estimates for the year by re-appropriation from Class B works.

	Head of Service	Item	Locality	No.	Projects and Works.
1.	Head of Service	Item			
2.	Classification Division		Locality	No.	Projects and Works.
	Cinchona	Cannanore	13		Improving latrines for the British Infantry.
	Bellary	Bellary	14		New guard sheds with cells, quarters and shed for the Royal Combined for the Royal Artillery.
	Residency	Bangalore	15		Quarters for an Assistant Apothecary Hospital
	Do	Fort St George	16		Purchase of Hackney Horses.
	Buildings for European troops in the hills	Nilgiris	Wellington	17	Gymnasium for the Depot
(3)	Do	Do	Do	18	Drainage pipe for the remaining block, the same as his block
	Do	Do	Do	19	Bath room to each house
	Do	Do	Do	20	Female hospital at the Wellington Depot
	~~Do~~	~~Do~~	~~Do~~	~~21~~	Connecting portion of the existing system with a deep plunge [illegible] Lawrence Asylum Lovedale

Madras

Contd.

16

Qr

4-85 but on which expenditure may be incurred during

May Grant 1882-83 Item

6 Probable total work to be done in Com. Total to be 1883 to be progressed

Remarks & Reference

13 Lo No 1056 Q/L April 1879

14 Intimate awaited

15 Intimate awaited

16 Lo No 757 W Q/L March 1881. No 2726 Q/L Oct 1882

17 Intimate awaited

18 Intimate awaited.

19 Lo No 1472 1762 W Q/L June 1884

20 Intimate awaited

21 Intimate awaited

Imperial
Military Works

Appendix B

List of Works (or Class C Works) omitted from the Budget Estimate but on which Expenditure may be incurred during the year by Reappropriation from Class B Works.

Item No.	Head of Service	Division	Locality	Item No.	Project and Works	Military Grant 1882-83 Estimated Outturn 1882-83	Works ordinarily done by Convict Labour	Works in progress	Works not commenced	Estimated Cost	Remarks and References
Class	Classification										
					Imperial Ordinary Military Original Works						
1	(1) Accommodation for Troops — Buildings for European troops in the Plains Permanent	Presidency Port Troops	Chingleput & St Thomas Mount	1	Armoury for the Ordnance Supply Department					2	Returns awaited
				2	Plunge Bath for Royal Artillery					2	Returns awaited
				3	Gymnasium for the Artillery Class	1788				3	
2	Do	Do		4	Quarters for the Apothecary attached to the Station Hospital	1790					
		Bellary	Bellary	5	Inspecting Officer's house & Station Hospital						
3	(3) Commissariat Buildings		Coimbatore	Coonoor	6	Plunge Bath for British Infantry	1792				
	Do		Mallapuram	7	Canteen for detachment British Infantry						
			Chingleput & St Thomas Mount	8	Copper shops, three in number one for each, both South and the new Artillery Barracks					8	Returns awaited
4	Fortifications		Coimbatore	Mallapuram	9	Gymnasium for a Detachment of British Infantry				9	Returns awaited
			Chingleput	Poonamallee	10	Barracks for European troops				10	

Madras

8

Enclosure B

Military Works

List of Works for which Estimates are submitted for the Year 1883-84 as detailed in the Appendix to the Budget

Head of Classification	Executive Division	Item Locality	No	Projects and Works	Amount of Estimate	Remarks and References
				Brought forward		
b	Buildings for Native Troops	Bellary	Bellary	7. Armourers shop. Light Cavalry		
(c)	Ordnance Buildings	Bombay	Bangalore	8. Constructing an Ordnance Depot within the fortified limits at Ajram	119520	
(d)	Commissariat Buildings	Setzing Bellington & Bakery.				
		Bombay	Bombay	Quarters for 3 Servants and 5 Commissioned Officers of the Commissariat Dept	26740	
	Fortification	Do	Bangalore	11. Constructing a fortified Post at Ajram	17670	
				12. Master Works		
				Total		

Military Works

List of Works for the Year 1883-84 as detailed in the Appendix to the Budget — contd

Head of Classification	Executive Division	Item Locality	No	Projects and Works	Amount of Estimate	Remarks and References
				Brought forward		
		Bellary	Bellary	7. Armourers shop. Light Cavalry	2700	Estimate awaited
(c)	Ordnance Buildings	Bombay	Bangalore	8. Constructing an Ordnance Depot within the fortified limits at Ajram	13000	Noted for the Year 1882-83 — Contd
					5000	Estimate awaited
(d)	Commissariat Buildings	Setzing Bellington & Bakery.				
		Bombay	Bombay	Quarters for 3 Servants and 5 Commissioned Officers of the Commissariat Dept	15000	
	Fortification	Do	Bangalore	11. Constructing a fortified Post at Ajram	22320	
				12. Master Works		
				Total	119520	

Military Works

List of Works for which Estimates are submitted for the Year 1883-84 as detailed in the Appendix to the Budget — contd

Head of Classification	Executive Division	Item Locality	No	Projects and Works	Amount of Estimate	Remarks and References
				Brought forward		
		Bellary	Bellary	7. Armourers shop. Light Cavalry	2700	Estimate awaited
(c)	Ordnance Buildings	Bombay	Bangalore	8. Constructing an Ordnance Depot within the fortified limits at Ajram	13000	Noted for the Year 1882-83 — Contd
					5000	Estimate awaited
(d)	Commissariat Buildings	Setzing Bellington & Bakery.				
		Bombay	Bombay	Quarters for 3 Servants and 5 Commissioned Officers of the Commissariat Dept	15000	
	Fortification	Do	Bangalore	11. Constructing a fortified Post at Ajram	22320	
				12. Master Works		
				Total	119520	

Imperial
Military Works

10

Part I — contd

Detail of Works Budget Estimate for Original Class B Works for the Year 1882-83 — contd

Ref.	Head of Expenditure Classification	Division	Locality	Item No	Project and Works	Amount Ordinary Grant 1882-83 for Actual Probable Works to be executed during 1882-83	Estimate for Works not commenced in 1882-83	Item for 1883-84	Remarks and References
					Imperial Military Original Works				
a	(1) Accommodation for troops — building for European troops	Peshawar	Fort Bala Hissar	1	A covered Gymnasium to be erected in the Bell alley European Regiment.	" " "	9,000	9,000	Estimate awaited. Item No 17 Appendix B. Budget for 1883-84
	Chuppaputty Mhow Ground.			2	Constructing pir blocks for the field Battery V Royal Artillery	" " "	10000	10,000	2 Estimate awaited 27476 of 1 Oct 1883.
b	Battery	Battery		3	Water Supply to Barracks Royal Artillery and British Infantry	" " "	3000	3000	3 Estimate awaited.
	Do	Do		4	Drainage and improvement to Barracks, British Infantry and Royal Artillery	" " "	3000	3000	4 Estimate awaited
	Building for Training Recruits native troops	Rawalpindi		5	Accommodation for native Cavalry Regiment.	" " "	25,000	25,000	5 Estimate awaited. Item No 24 V Appendix B Budget for 1883-84
	Lines for Artillery	Lines for Artillery		6	Constructing Public buildings in connection with the line of 3 Regiment A.A.	" " "	4500	4500	6 Estimate No 31282 of 5 June 83 Item No 32 of Appendix B of Budget for 1883-84 Page 40 asked to allot Rs 10000 i.e. Rs 5000 under Estimate No 27660 of 21-9-83
					Carried over	12350			
						" " "	54500	54,500	

11088 &c

Govt. of [1883]

PUBLIC WORKS.

Dated

Rec'd

Encn.

[illegible]

G. O. 19th Dec. 1888, No. 36

Entered in the Reg. 36

Mily Works

Budget Estimate

[illegible] Parliamentary

[illegible] the — C

[illegible] with Lieut. Gen

Mily Works Budget

Est. for 1884/5

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[illegible] recommended

[illegible] Rep. at Ra

[illegible]

98

in Proc of Govt no 3644 of 19th Dec 83.
and to solicit that the
Government of India
may be pleased to
augment the grant
already made by
Rs 16,000, to admit of
the accommodation for
a Regiment of Native
Infantry at Bangalore
being Completed during next year

CW
19/12

19.12.83

Public Works Department.

97

No. 3645 W. dated 19th Decr 83

To

The Secretary to the
Government of India.

Sir

I have the honor to forward four copies of the Preliminary Estimate of the Superior Establishment of the Madras Presidency for the year 1884-85 prepared for the grant of Rs. 650,000 provisionally sanctioned in Rs. 1691 M.W. dated 1st November 1883 at the

~~[illegible]~~ request

honor to invite special attention to para 6 of the Quarter Master General's letter No. 8892 of the 12th instant, prescribing

Public Works Department, and four copies will be forwarded to the Government of India as usual.

~~[illegible]~~

~~Forwarded~~

Ch/
19/12

Ch
19.12.83

Supdg Engineers ✓ 11/1/84
Rr O. & Accts
Mily Dept
Fmle Dept ✓

Ch
11/12

2. The distribution of the grant under Departmental heads is as follows :-

Original	Irrigation works	Rs 273,680
	Minor works	22,320
Repairs		275,000
Establishment		121,200
Tools and Plant		7,800
	Total Rs	650,000

3. The allotment of the Irrigation grant to each Circle has received the approval of His Excellency the Commander-in-Chief; and the Minor works and Repairs allotment will be held at the disposal of Government, to be appropriated as may seem desirable, early next year.

4. Plans and estimates for works entered under Class B should be submitted by Superintending Engineers for the Carnatic ~~Circle~~ ~~submit~~ as early as practicable

6. The Communications in this will be addressed separately regarding the special grant required by His Excellency the Commander-in-chief for the accommodation of a Regiment of Native Infantry at Bangalore.

Estimates for these and other works entered under Class C have already been called for in G.O. No 3002 of the 26th October 1883.

5. The works under Class B are all considered of great urgency by His Excellency the Commander-in-chief, and with the view ~~of~~ to utilising the grants assigned, Estimates for such as have not been sanctioned should be prepared and forwarded without delay.

By with these papers for the Preliminary Issue of the Secretary Work Budget. Estimate for 1884-85 is Circulated for the information and guidance of the Officers of the Public

Ft. C. 11088

P 20974. 31.7.83.
25904. 4.11.82
31845 — 12.11.83.

P.W. (1883) Department

No.

From

The Quartermaster General

To

The Chief Engineer
P.W. Depth.

No. 8892

Dated 12th December/83
Read. 13
Encl

Returns with remarks the Statement of the proposed distribution of grant for Major Works in 1884/85.

No. 36447W

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 19th Decr

READ the following

From the S.E. Field Circle — (H.E. No. — dy 30 Oct 1883)
— do — Second — do — (— do — dy 6 — do —)
— do — Third — do — (— do — dy 4 Nov — do —)
— do — Fourth — do — (— do — dy 11 Oct 1883)
— do — do — do — (— 468 dy 25 Oct 83)
— do — Fifth — do — (— 2555 dy 15 Oct 83)
— do — do — do — (— 2758 dy 2nd Nov 831
— do — do — do — (— do — dy 9 — do —)
— do — Sixth — do — (— do — dy 15 Oct/831
— do — do — do — (— do — dy 27 — do —)
Office Note from the Secy P. Board — (— 15148 dy 27 Nov 1831
Resolution of the Govt Mily Dept — (— 848 dy 13 Nov 1831
from the Quarter Master General — (— 1091 No 48 dy 1 Nov 1831
(— 8892 dy 12 Nov 83

The Government of India

In the Resolution read above they have provisionally fixed the Military Grant of the Presidency for 1884-85 at Rs 6,52,000 and have left the allotment of the grant to individual works to be fixed by the Local Government in communication with the Local Military Authorities

the proposals made by His Excellency for the abolition of Poonamallee as a Convalescent Depot, are approved by Government, in which case the third Regiment which is destined for Trichinopoly would be sent to Poonamallee where there would be ample public buildings for it.

6. Even so there will remain to be provided for, and to meet this, Sir Frederick Roberts would urge the necessity of application being made to the Government of India for a Special grant of funds, on the ground that it is demanded by the unforeseen return to the Presidency of a Regiment serving in Bengal. This Regiment wherever sent would have to be provided with public buildings and in the opinion of His Excellency it is undesirable any delay should be

be allowed to take place in meeting this present demand because before long the return of another Regiment to the Presidency will involve similar provision having to be made elsewhere for a Second Regiment.

I have the honor to be,
Sir,
Your Obedient Servant.

D.J. Surdeod Major.
D.y Quartermaster Genl

Item. No 9. Accommodation for a Native Infantry Regiment - Bangalore. } 16,610

" No 10. Drainage - Barracks - Bellary } 3,000

" No 11. Armourers Shop - Light Cavalry Bellary } 2,695 — 8,595 / 1,405

" No 12 do Vellore. } 2,900

" No 14 Accommodation Third Native Infantry Regiment - Trichinopoly } 14,280

3. Of these Items Nos 10, 11 and 12 aggregating Rupees 8595 might apparently be provided for out of the sum of Rupees 10,000 by which the balance of the estimate for the Coast Batteries, Madras, to be included in next years allotments should now be reduced, from Rs 20,000 as in Statement to Rs 10,000 only, in consequence of the recent transfer in the current year of Rs 10,000 to that

that work from the work of mounting Ordnance Fort Saint George.

4. His Excellency the Commander-in-Chief is aware that by this diversion of funds the full allotment of Rs 40,000 in the coming year to the work of mounting Ordnance Fort Saint George will be interfered with, but being of opinion that a fair proportion of the whole grant should be devoted to works of comparatively small cost, say under Rs 5,000 - which otherwise have to be postponed from year to year, (the particular works now in question are examples) he would prefer the indicated re-distribution of the sum mentioned in the coming year, leaving a portion of the work connected with the mounting Ordnance Fort Saint George to be carried out in 1885-86.

5. Of the other two items Nos 14, may be removed from the list of works of immediate urgency, if the

S.W.O. no 9840

59 &c

Rec'd 9/11/83

Qr/M 1/3

QUARTERMASTER-GENERAL'S OFFICE,
Horse Guards.
12th December 1883.

No. 8892. 91

From

THE QUARTERMASTER-GENERAL,

To

THE Chief Engineer
and Secy: to Government
Public Works Depte

SIR,

Having submitted to the Commander-in-Chief your letter No. 2333. dated 16th November 1883. I am desired to return the Statement which accompanied it, and to offer the following observations.

2 The proposed grants shewn in the Statement in question, leave unprovided for the following works in Class "B" (of this Office letter No. 7336 dated 22nd October 1883). all of which His Excellency considered to be of more or less urgency requiring to be provided for in the approaching year.

I have

HEADING.

ACCOUNTS.

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

No. 1091-M.-W.

GOVERNMENT OF INDIA.

MILITARY DEPARTMENT.

Extract from the Proceedings of the Government of India, Military Department,—under date Simla, the 1st November 1883.

Distribution of the Imperial Grant for Military Works for 1884-85.

RESOLUTION.—The following is the provisional distribution of the grant for 1884-85 :—

	Rs.
Reserved with Government of India	8,00,000
Military Works Department	60,00,000
Bombay	12,50,000
Madras	6,50,000
Hyderabad	2,25,000
Central India	2,25,000
British Burma	3,25,000
Punjab	2,50,000
Rajputana	1,50,000
Central Provinces	1,75,000
Assam	2,50,000
Bengal	85,000
North-Western Provinces and Oudh...	1,15,000

These grants include provision for any expenditure that may be incurred in England on stores for works classed as Military.

2. The Government of India leave it to the Local Governments and Administrations and the Inspector General of Military Works, in communication with the local Military authorities respectively concerned, to allot the above grants to individual works as may appear most desirable.

3. The preliminary Budget Estimates should be prepared for the amounts now provisionally sanctioned, and should be submitted so as to reach the Government of India punctually by the 15th January 1884.

(Sd.) G. CHESNEY,
Secretary to the Government of India.

Govt. C. B. Press, Simla.—No. 1508 M. D.—2-11-83.—550.

Madras

Imperial
Military Works.

80

C Statement showing the works at which the outlay
hereby provided for is to be incurred.

Original Works	Budget Estimate 1874-75				Revised Estimate 1873-74	Budget Estimate 1873-74	Actuals 1872-73
	In progress	Not commenced	Total	Roads and Okards	Furniture Arrears	Total			
Nil									

Brar

Imperial
Military Works

Madras

4

Charges

Abstract of the Budget Estimate of Expenditure of the Public Works Dept of Military Works in Madras for the year from 1st April 1882 to 31st March 1883.

		Reference to detailed Estimate	Revised Budget Estimate 1882-83.	Budget Estimate 1883-84	Revised Budget Estimate 1883-84	Actuals 1882-83
Original Works	In progress		96 480	204 000	100 000	240 [illegible]
	Not Commenced		149 520		39 967	
Repairs	Ordinary		275 000	275 000	275 000	292 [illegible]
	Special		"	"	"	
Establishment			121 200	111 100	96 980	111 767
Tools and Plant			7 800	7 200	6 225	7 [illegible]
Presence Account			"	"	"	
	Total		650 000	594 800	518 200	660 308

Note.

Imperial
Military Works

Madras

5

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

Budget Estimate 1882-83.

Original Charges

Provision from Imperial Funds														
In India	96 480	149 520	246 000	275 000	121 200	7 800	"	"	650 000	594 800	518 200	660 308		
In England	"	"	"	"	"	"	"	"	"	"	"	"		
Total	96 480	149 520	246 000	275 000	121 200	7 800	"	"	650 000	594 800	518 200	660 308		
Provision from Contributions														
In India	"	"	"	"	"	"	"	"	"	"	"	"		
Grand Total	96 480	149 520	246 000	275 000	121 200	7 800	"	"	650 000	594 800	518 200	660 308		

Imperial
Military Works

Madras

Revenue

Abstract of the Budget Estimate of Revenue of the Public Works Dept from Military Works in Madras from 1st April 1882 to 31st March 1883.

	Budget Estimate 1882-83	Revised Estimate 1882-83	Budget Estimate 1883-84	Actuals 1882-83
Public Works Department				
Civil and Military Dept	32,000	30,000	30,000	28273
Total	32,000	30,000	30,000	28273

Imperial
Military Works

T1

Madras

Contents

Page

Abstract of the Budget. Estimate of Revenue
Ditto Ditto of Expenditure
Details of the Budget. Estimate of Expenditure —
Part I — Detail of Estimate for Original Works, Class A
Ditto Ditto Class B
Appendix to above —
Appendix B — List of Class C Works

Imperial
Military Works

Madras

Public Works Department

Imperial Budget - Estimate

of

Military Works

of the

Government of Madras

for the year

1884 - 85

Chepauk
19th Dec 1883

Secy to Govt

C.No 11088.

Note. 15

If approved the transfer of funds proposed by H.P. the C. in C. will be carried out. and the difference between Rs 10,000 and Rs 8,595. viz Rs 1,405 will be re-assigned to "completing the emplacements and improving the storage of the Coast "batteries" – The Portuguese issue of the Imperial Military Works budget estimate, with the three corrections, be now compiled — & will be accompanied by a letter to this effect Approved 14/12
applying the claim
against the 7 forts
Special grant.

Cr
14.12.83

To Dir. Fortifications

Cr
14.12.83

Accompaniment to Bill No
3644 dated 19/12/83
3645

Accompaniment to Bill No
3644 dated 19th December 83
3645

Accompaniment to G.O.

3644 / 3645 of 19th December

Z. W.

74

I propose to prepare the liability: Budget now in exact accordance with reminutes of H.E. the C. in C. It will be accompanied by a letter to him urging the claims of item 67 for a special grant to be added to Budget grant, but I much fear this demand will not be listened to. The Govt is likely to be that if the work is so urgent provision for it should have been made in the Budget & not left to the Supplementary

CJ
14/12

Accompaniment to G.O. to
3644 / 3645 of 19th December

allotment to town store
reserve.

If the grants under
Army instruction by the
G.O.S. in June last, the
following lines not
have to be allotted.

i Gymnasium Post
at Europe — Rs 5,000
(The estimate is under
revision and will pro-
bably be ready for
sanction at an early
date)

ii Cattle buildings for
Cavalry Regiment
at Bangalore Rs 15,000

iii Railway at Walking
Line — Rs 8,000

The figures for the
revised estimate have
been entered as below

Original Works - Rs 204,000
Repairs — " 272,500
Establishment — " 111,100
Tools and Plant — " 7,200

Total Rupees 594,800

If the 11 works en-
tered under Class B - es-
timates are required
for 6 -

Army
18/12

B.

i. Why do you propose to make the charge thereof chargeable for Military?

ii. Why give to Civil Buildings more than is required — stating if even that Rs. 2000 is spent this year?

iii. Send a recommendation for Rs. 2000 Repl. at Nicholls. Does more than is required?

iv. Be asked to give Rs. 1600 to the Trustees for Encouragement of Horse-races, if possible, & how far he agrees with the principle of supplying this work?

v. Send for Estimate of Building from the full amount required & complete i.e. Rs. 60000.

vi. What is the proper proportion to give to Minor Centres?

CJ
12/11

Wm

i. The Surp. Prop. expects to spend Rs 10,000 the full amount for estimate this year.

ii. The grant for Coast Batteries for current year is Rs 20,000 but Surp. Prop. expects to spend Rs 25,000 Rs 20,000 is entered provisionally in reference to the Surp. Prop. on the subject of probable current year

12/11

Note

The approximate military Estimate 1883-84 on Imperial Military Works and Repairs, as given by Supt. Engrs amounts to Rs 4,76,528 as below -

Original Works — Rs 2,04,030
Repairs — 272,498

The grounds adduced to Rs 4,67,619 as under -

Original Works - Rs 195,619
Repairs — 272,000

The excess under Original Works is due to anticipated excesses on the Military Works finished and to the outlay being incurred on Extensions to enable main firing from the barracks against the Military Enemies at Wellington: Rs 90 to 2718 M of the 5th October 1883. The Govt have been asked for an

C. No 9842.

D. W.

From papers printed with G.O. No 2521 W. of the 4 September 1883. the Municipal Council for the Station noted in the margin Chromit At 37,200 provided the sum of Rs 37,200 to print taxes in other Stations - but as no thing definite is known regarding other Stations shall make provision for only Rs 37,000 - Rs wanted to make the repairs grant at Rs 2,75,000 + Rs 37,000 Rs 312,000 - Rs grant for Minor works Stone godowns to Rs 20,000 - Three sudders towns would make the grant for Major Works Rs 180,000 and Stone godowns Rs 20,000 and I have the honor to make the following additions to the Statement -

Mahableshwar Barracks Rs 800
Quarters for non Commd. Officers Commd officers Lower Depot Rs 6,000
Stables at Do Thermometer Shed Rs 1,000

Bombay 12/11

Mahableshwar
Bellary
Trichinopoly

71

Bellary -

The Estimates were sanctioned for Place of Arms and Guard Room
Cells
Magazine
Armourers Shop.
but the list from the Military Authorities include
Store Room
School Room.
I allowed Rs 2,000 for the Store room which may be required to be built
IV and V. Of Rs 16,000 required (8,000 + 10,000) Rs 2,000 can be taken from Trichinopoly and the balance from Repairs -
VI. Mr. Tirth & the Grant for Original works. vide Code para 1718 -

Bombay 12/11

B.

VI - The Grant for original works Rs 1,76,000. Amount of this is 19,000. Under at 2,000 is taken for the purchase of mine works ? - C.J. 12/11

In separate file.

Accompaniment to Q.M.G.

3644
3645 W. of 19th Dec. 1885

B.

I agree to this so far, but feel in the please my previous notes & your replies.

CJ

13/11

Part rep.
Murray
13/11

B. - I should like to go into this with you personally. I should say in my part to explain to Q.M.G. our reasons for assigning the awards for forage to the exclusion of many other Claims which brought forward & of great urgency. I trust the statement is right so far. Bring up all papers That portion of the Inspection Report which we think should be published

CJ

Personally represented to 13/11
him and the Surveyor
Columns of the statement
filled in.
Murray
13/11

Imperial. Military.

Abstract statement of Appropriations voting for 1898.99.

	O.M.	Repair
First Circle	2200 ✓	7,500 ✓
Second "	"	"
Third "	25,900	25,000
Fourth "	66,406 ✓	51,000 ✓
Fifth "	109,024 ✓	185,000 ✓
Sixth "	500 ✓	4,018 ✓ Estimate
Architect	"	"
Total	204,080	272,518

Imperial
Military Works

Detail of the Budget Estimate for Original Part Class A

Head of Classification	Locality	Item No.	Project and Works	Amount of Estimate	Remarks and References
			Brought forward		
Commissariat Ordnance Store Buildings	Coimbatore	Cantonment	5. Converting the old Artillery stable at Cannanore into a hospital and erecting a well	7,660	
Ordnance Works	Presidency Madras		6. Completing the emplacements and improving the store rooms to the Coast Batteries.	42,320	
Do	Fortifications		Armament of Fort St George	42,035	
Do	Madras		8. Improvements to the Gun Powder Factory	228,252	

Madras

Works for the Year 1882-83 - Contd
Works - Contd

Ordnance Grant 1882-83 Class

Estimated Actual Expd 1882-83	Outlay during 1883-84	Works half completed in per comm.	Total Rs	Remarks and References
"	"	73,980	73,980	
"	5000	2500	2500	5 Govt 2213 dy 10 Augt 1883. Item No 41 Appendix B of Budget of 1883-84
30,000	10,000	10,000		6 Govt 1661 dy 13 June 1883 Item No 34 Appendix B of Budget of 1883-84
"	"	30,000	30,000	7 Govt No 2970 dy 19 Oct 1883 Item No 2 Class B Works of Budget of 1883-84
737 16935 30000	10,000	10000	10,000	8 Govt Nos 1874 dy 16-1-83, No 2073 dy 30-7-83, No 2768 dy 10-10-83, and No 3378 dy 29-11-83 - Further Estimate under preparation
"	96,480	30,000	126,480	

Imperial
Military Works

Part I

Madras.

Detail of the Budget Estimate for Original Works for the year 1884-85.

Class A Works

Head of classification	Executive Division	Locality	Item No	Project and Work	Amount of Estimate	Actual Expenditure up to 1882-83	Budget Estimate during 1883-84	Works in progress	Works not commenced	Total	Item No	Remarks and References
						Outlay	Grand 1884-85					
				Imperial Ordinary Military Original Works	130870 122950	37249	30000	30000	-	30,000	1	Go No 1894 W dy 25 July 1882. Item No 2 of Class A Works of Budget of 1883-84.
(1) Accommodation for troops - Buildings for European troops in the plains Permanent.	Chingleput	Tambaram Grounds	1	New Barracks for Royal Artillery		10547	40000	38000	-	38,000	2	Go No 1840 W dy 18 July 1882. Item No 3 of Class A Works of Budget of 1883-84
	Coimbatore	Malaparambu	2	Barracks for detachment British Infantry to accommodate 100 men	9083	-	8000	4000	-	8,000	3	Go No 1102 W dy 7th May 1880. Item No 1 of Class B Works of Budget of 1883-84
	Residency	Bangalow	3	Alterations and additions to Cook houses for the British Infantry.	1250							
Barracks for North Arcot Native Troops			4	Armourers shop for Native Infantry Regiment	980	-	820	1980	-	1,980	4	Go No 1547 W dy 20th June 1881.
						-	-	73980	-	73,980		

Carried over

From

The Supt of Engineer

1st Circle

To 3600 M

The Chief Engineer

O. M. Department

Dated 2nd
Desptd 3rd
Recd 4 } October 1883

Book 364/3645 was 19th Decr 83

Imperial Military

Works — Details of

the Budget Estimate

for Original Works

for the Year 1884-85

Imperial Military Works. Madras Presidency

Part I

Detail of the Budget Estimate for Original Works for the year 1884-85

Grant 1884-85.

Head of Classification	Executive Division	Locality	Item No.	Projected Works	Amount of Estimate	Outlay Actual to end 1882-83.	Outlay Probable during 1883-84.	Outlay Works in progress Works not Commenced Total	Imperial Military Original Works Special Works in progress	Special Works not Commenced	Special Total	Total Works in progress	Total Works not Commenced	Total Total	Item No.	Remarks & preference.
Accommodation for Troops Buildings for Native Troops	Ganjam	Berhampore	1	Constructing an Armourers Shop for the Native Infantry	3070	-	-	-	-	3070	3070	-	3070	3070	1	Plan & Estimate submitted to the Chief Engr. with this Office No. 253 G.R. dated the 12th September 1883. In case the Estimate is sanctioned funds allotted in the Offg year it is not necessary to allot the amounts required in this & the work if not completed within the year will be included in the Uncompleted Works Statement for 1884-85.

Exd. [illegible]

for Offg Secy to Govt

Comptn

22 Calcherums
2nd October 83

Statement showing the approximate outlay during the official year 1883-84 under Imperial Military Minor works and Repairs. First circle -

Divisions	Minor Works				Repairs			
	Military	Civil Buildings	Communications	Miscellaneous & Improvements	Military	Civil Buildings	Communications	Miscellaneous & Improvements
Ganjam Division	800	-	-	-	2000			
Vizagapatam Division	1,400	-	-	-	5000			
Godavari Eastern Division	-	-	-	-	500			
do Central do	-	-	-	-	-			
do Western do	-	-	-	-	-			
	2200				7.500			

Note. There are no major works in the circle

Do. Vizagapatam
24th October 83 } compd JK

C. Ewald
Offg Supdg Engineer 1st circle.

From
The Superintending
1st Circle
Vizagapatam

To

The Chief Engr
& Secy to Govt
Public Works Dept
Madras

Dated 22nd
Despd 23rd } Oct 1883
Recd 24th

No 3644 dated 19th Nov 1883
Imperial Military Estimate

Estimate — Statement

Showing the Amounts
to be Estimated for
in Imperial Estimate
in lieu of Amounts
provided in the Supplemental
Budget Estimate for
the year 1884-85.

Statement shewing the Amounts of the Estimated requirements in lumps sums to be provided in the Imperial Budget Estimates for the year 1884-85

Minor Works

Divisions	Military Formal.	Civil Buildings.	Communications.	Irrigation Works.	Roads & Bridges.	Civil Buildings.	Communications.	Irrigation Works.	Roads & Bridges.	Repairs Civil Buildings.	Repairs Communications.	Repairs Bridges Irrigation Works.	Repairs Roads & Plants.	Remarks.
Ganjam Division	2000	"	"							2000	"	"	"	It is not possible to give details of works for which the lumps sums entered in this statement will be required, but the amounts under Minor Works include the following work.
Vizagapatam Division	1000	"	"							5000	"	"	"	
Godavari Eastern Division	"	"	"							1000	"	"	"	
Do Central Division	"	"	"							"	"	"	"	
Do Western Division	"	"	"							"	"	"	"	
Total	3000	"	"							8000	"	"	"	

Ganjam Division.

Constructing a new school for the Native Infantry at Berhampore for which revised plan & estimate were forwarded to the Officer Commanding the Division for Rupees 1390 - See G.O. No. 1865 dated the 4th July 1883.

Vizagapatam
2nd October 83

Ex Engr
For Offg Superintending Engineer Circle.

Compd JK

Brought Over	334,590	206,960	62,459	62,459
Chinglepat. Barracks for European Troops at Perumalla:				
New Double Storied Barracks for 200 men with Off.s houses	1,66,885	6,908	.	.
New Quarters for 30 Families with out houses.	82,300	63,549	10,000	10,000
Do for Apothecary	7,150	.	.	.
Alterations to the existing buildings & demolitions	18476	532	.	.
	274,811			
Deduct.				
Value of old Materials	4,000			
	2,70,506	50989	10,000	10,000
New Barracks for Royal Artillery Saint Thomas' Mount	1,27,760	37,349	30,000	30,000
Presidency — Minor New Works	.	.	3,951	3,951
Chinglepat. — Do — Do	.	.	2,614	2,614
Total Original Works	732846	295298	1,09,024	109024
Presidency — Repairs	.	.	1,50,000	1,50,000
Chinglepat. — Do	.	.	35,000	35,000
Total Repairs	.	.	1,85,000	1,85,000
Grand Total	732846	295298	294024	294024

Chequers &c.
1st Novembr/83.

Compd. [illegible]

Lieut Colonel R.E.
Supdg: Engineer 5th Circle

Fifth Circle

Statement Showing probable expenditure on Works during the Year 1883-84.

Division	Name of Work.	Amount of Estimate 1882-83	Expenditure upto end of Years grant.	Amount Probable expenditure in 1883/84	Remarks.
	Imperial Military Original Works.				
Presidency —	Constructing a Lifting room for the Government Bakery Madras	4240	3721	519	519
	Constructing Additional rooms to the existing School Buildings, Quarters Arms Lofts and Miners Bungalow	3,500	1,500	2,000	2,000
	Renewing a portion of the terrace roof of the Armoury for the Grand Arsenal Fort St George	4940	3,000	1940	1940
	Additions & alterations to the Wash house, Parade Barracks Bungalows	12,500	-	8,000	8,000
	Implements to the Gun Powder Factory Madras	225,065	198,739	20,000	20,000
	Emplacements, Shell & Cartridge Stores & Laboratory for the new Armaments, Coast Batteries Fort St George	42,036	-	10,000	10,000
	Completing the emplacements & improving the Stores for the 6. 9 & 8. R. Guns of the Coast Batteries	43320	-	20,000	20,000
	Carried Over	324,592	262,960	62,459	62,459

E.E. Rec. 4418

From

The Supt. Engineer,
Fourth Circle.

L.C. to 3644 & 3645 19th Decr 53

Dated 25th
Rcpd. 27th } October 1853.

No 468

Imperial Military Grant.

Giving the approximate outlay during 1853/54 under "Minor Original works" & "Repairs" and stating the works to be omitted from the statements already sent.

No

Supd. Engineer's Office 4th Circle,

Cotacamund 23 Oct 1883.

No. 468

From,

The Superintending Engineer,
Fourth Circle.

To, The Chief Engineer
P. W. D.

Sir,

With reference to your memorandum No. 1919 of 9th instant, I have the honor to state that there are no works of any importance under the head Imperial, military in the North Arcot Division, and that the approximate outlay during 1883-4 will be as follows:-

Heads.	Grant for 1883-4	Approximate outlay during 1883-4.
Minor Original Works.	1,770	1,930
Repairs—	3,000	3,000

2. The attention of the Executive Engineer

D. P. W.

IV Circle

Salem Division.

SURGT. ENGINEER'S OFFICE
NO. 525 S.L.
15 SEP. 83
P. W. D.
FOURTH CIRCLE.

Dated 11th } September 1883.
Received }

G.O. No. 3644 & 3645 dated 4/9/83 & Despts.

Statement shewing approximate outlay in the current official year i.e; 83-4 under Imperial.—

Encls: 2 in Rs 214 dt 11/9/83.

Military

North Circle		Rs
Ammunition Depot Bellary		Rs 020
G.O. 2206 m dt 16.8.82		Rs 750
G.O 1621 m dt 12.6.82		Rs 200
		1770
Depots present		Rs 3000
Bellary	1150	3000
Cannanore	1500	3750
Trichinopoly	3000	7500
Ootacamund	1000	2500
	6650	16750

D. P. W.

5

IV. Circle. Salem Division

Statement shewing approximate outlay in the current official year. i.e. 83-4 under Imperial.

Heads of Service.	Amount proposed for 1883-84.	Amount granted for 1883-84.	Approxi mate outlay for 1883-84.
— Imperial. —			
Military			
Major Original Works.			
Minor —— Do. ——	2500	500	2500
Repairs. ——	4,000	3,500	4000
— Imperial. —			
Other Services.			
Postal.			
Minor Original Works.	200	300	300
Repairs ——	500	300	300

Salem Divisional office
11th September 1883

Executive. Engineer.

Imperial
Military Works

Detail of the Budget Estimate of

Original Works for the year 1883-84.

Grant 1884-85

Head of Classification	Locality	Item No	Amount of Estimate	Actual Outlay 1882-83	Probable Outlay during 1883-84	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	Item No	Remarks and References.
													44,923	45,570	90,493	
Salem Cossor 13	Purchase of Furniture															Valuation Statement submitted to the Chief Engineer with No 1696 C. of 29th August 1883.
	Sergeant Commanding's House at Ramanat Depot	1510					1510	1510					1510	1510		
	Minor Works.															
	Coimbatore Dr. Rs	2,500														
	Salem — " —	3,990														
	North Arcot " —	2,000														
	Nilgiri — " —	4,000														
		12,490											12,490	12,490		
	Repairs													(04,493		
	Coimbatore Dr. Rs	35,000														
	Salem — " —	4,000														
	North Arcot " —	3,000														
	Nilgiri — " —	15,000														
		57,000											57,000	57,000		
	Total Imperial												44,923	116,570	161,493	

Supt Engineers Office
October 1883

Part I (Continued)

Imperial Military Works

Detail of the Budget Estimate of Original Works for the Year 1883-84.

Head of Classification	Executive Division	Locality	Item No	Projects and Works	Amount of Estimate	Actual Outlay to end of 1882-83	Probable Outlay during 1883-84	Works in Progress	Grant 1884-85 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	Item No	Remarks and References.
														42,943	25170	68113		
Welling ton	7			Drinking water to be laid on to Hospital ———	5000							1000	1000	"	1,000	1,000	7	Recommended by the Barrack Committee in their annual Proceedings
Do	8			Quarters for a Warrant Officers or Staff Serjeant of the Barrack Department —	8000							2000	2000	"	2000	2000	8	Do ——— Do ——— The full amount may be granted if funds are not given for items 5 & 6
(2) Ord. North Ballore nance Areat	9			Armourers shop for the Native Infantry —	2800	Balance Appd for B.O. No 670						1980	"	1980	1980	"	1,980	9	G.O. No 1547 A of 20th June 1881. & G.O. No 2516 A/97 Sept 83
(3) Commi: Nil: Wellingsariat ziri ton Buildings	10			Bakery at the Depot ———	48,560	"						10,000	10,000	"	10,000	10,000	10	The modified estimate called for in G.O. No 2669 W of 23rd Sept 83 will be submitted
(4) Staff: North Ballore Miscellaneous Areat	11			Regimental School ———	4,900							4,900	4,900	"	4,900	4,900	11	Estimate under preparation
(5) Studs Salem Coscor	12			Purchase of Ex Walers Horse at Remounts Depot ———	2500							2,500	2,500	"	"	2,500	2,500		valuation statement submitted to the Chief Engineer with D.O. 1662 C of 29th Aug: 1883.
														44,923	45,570	90,493		

Statement of Major Works proposed to be carried out in 1894-95, & accompany letter to Quarter Master General Madras.

Executive Division	Locality	Item No.	Projects and Works	Estimate	Outlay up to 1892-93	Outlay Probable in 1893-94	Proposed Grant for 1894-95	Remarks.
Chingleput	St. Thomas' Mount	1	Barracks for Royal Artillery A 4	127,750	37,349	30,000	30,000	Entered as Class A in Quarter Master General List.
Coimbatore	Malapuram	2	Barracks for detachment British Infantry to accommodate 100 men A 7	90,830	10,547	40,000	38,000	Entered as Class A in Quarter Master General List.
Presidency	Madras	3	Improvements to the Surpentine Factory	226,665	198,737	23,000	10,000	Entered as Class A in Quarter Master General List.
Do	Bangalore	4	Alterations and additions to washhouses for the British Infantry A 3	12,500	"	8,000	4,000	An incomplete work of current year and therefore brought forward.
Do	Fort St. George	5	Mounting ordnance	42,035	"	10,000	30,000	Entered as Class A in Quarter Master General List.
Do	Madras	6	Completing the emplacements & improving the store rooms of the coast batteries A 2	42,320	"	20,000	20,000	Entered as Class A in Quarter Master General List.
Do	Bangalore	7	Fortified post at Agram and B 4	17,470	"	"	4,000	Govt of India asked to grant Rs 10,000 in G.O. No 3061 w 2/30.10.93. for expenditure in 1893-94. Entered as Class B in Quarter Master General List.
Do	Do	8	Ordnance depot within the Fortified post B 1	14,930	"	"	13,000	Entered as Class B in Quarter Master General List.
Bellary	Bellary	9	Three blocks of Stables for Royal Artillery A 5	10,000	7,530	10,000	"	No further application for any Engineering expects the work to be completed in the current official year. Entered as Class A in Quarter Master General List
Trichinopoly	Trichinopoly	10	Accommodation for one Regiment of Native Infantry B 5	12,350	"	"	4,500	Govt. of India asked to allot Rs 10,000 in G.O. No. 2660 w 2/21.[illegible] Septr. 1893. for military in current year. Entered as Class B in Quarter Master General List.
							156,500	

Carried over.

66

11088/5

			Brought forward			15,500	
Presidency	Madras		Quarters for three warrant and five non commissioned officers of the Commissariat Establishment.	12/6	2640	15,000	Govt. of India entitled to allot Rs 10000 in 1883-84 vide G.O. No. 2780 m of 5.10.83. Entered as Class B. in Quarter Master's General List.
Nilgiri Superintendency	Wellington		Barracks at		"	5,000	Entered as Class B in Quarter Master's General List.
Coimbatore	Cannanore		Converting the old stables at Cannanore into a bakery and sinking a well.	1/6	7660	2500	Entered as Class A in Quarter Master's General List.
Chingleput	St. Thomas' Mount		Constructing six blocks of stables for two field batteries of Royal Artillery	3/8	20,160	10,000	Entered as Class B in Quarter Master's General List.
Coimbatore	Cannanore		Providing boarded floor for the Hospital of the European Infantry.	3/5	5570	5200	This work is expected to be completed in the current official year. Entered as Class B in Quarter Master's General List.
Presidency	Fort St. George		A covered gymnasium to be erected in the Ball Alley of the European Regiment	3/1	"	9000	Entered as Class B in Quarter Master's General List.
	Bangalore		Accommodation for Regiment of Native Cavalry		"	25,000	Entered as Class B in Quarter Master's General List.
Bellary	Bellary		Pipes and Cisterns to supply water from the artesian well to British Troops.	3/9	"	3,000	Entered as Class B in Quarter Master's General List.
			Total Rupees			226000	
						~~180,000~~	

Govt. of India
10/11/83

Contents

	Pages
Abstract of the Budget Estimate of Revenue	2
Abstract of the Budget Estimate of Charges	3 & 4
Part I Detail of Estimate for Original and Repairs Works &c.	6 to 13

SUPDT. ENGINEER'S OFFICE
15 SEP. 83
P.W.D.
FOURTH CIRCLE

No 432

Imperial Military Works

Fourth Circle.

Public Works Department.

Imperial Budget Estimate

of

Military Works.

for the Years

1884 - 1885.

Coimbatore
4th October 1883.

L. Beatty - Colonel R.E.
Supg. Engineer, 4th Circle

Nilgiri Division

4th Circle

Statement Showing the approximate Expenditure under all Heads during 1883-84 to accompany the Budget for 1884-85.

40

Name of work.	Amount of Estimate	Expenditure to end of 1882-83.	approximate outlay for 1883-84.	
Providing kitchen ranges for married Quarters Wellington	8020	6200	1820	
Extending 6" water main pipe to married Quarters Wellington	9530	95	9432	0632 4300
Total			11252	4932.
Bakery at Coonoor as forming the centre piston of the Coonoor Sanitary Circle			3156	
Mess			15000	
Repairs	4676	32745	7880	
Combined Post and Telegraph office Coonoor	3730	"	3730	
Fourth Class Post Office and Postmaster's Quarters at Kotagiri	2910	"	680	The rest of the grant has been proposed to be transferred to the Post office at Ootacal. It will hardly be worth while starting work with this sum.
Total			12290	
Constructing a Post office at Kalpatta			635	
Do Minor			600	
Do Repairs				

Ootacamund
12th September 1883

Executive Engineer
Nilgiri Division

From
The Executive Engineer
Comilla Cantt Div

868 c.l

Statement of strength
there in 1884-85
and approximate
outlay in 1883-84
under Imperial
Military

Coimbatore Division

Statement showing the proposed expenditure in the year 1884-85 and the approximate outlay in the current official year under the Budget Head Imperial Military.

Project and Works	Amount of Estimate	Outlay up to 31st March 1883	Approximate outlay in the official year 1883-84	Proposed expenditure in the year 1884-85
Major Works				
Barracks for detachment, British Infantry to accommodate 100 men at Malliapuram	90830	10547	40,000 5200	40283
Plunge bath for the British Infantry at Cannanore	4690	"	"	4690
Improving Latrines of the British Infantry at Cannanore	2780	"	"	2780
Converting the old Artillery Stables at Cannanore into a Bakery and for sinking a well	7660	"	5000	2660
Minor Original Works		1876	2300	2500
Repairs		18039	27500	35000
Total Rupees				87913

Coimbatore
10th September 1883

F. H. Rumsey, Captain RE
Executive Engineer

35

Original Works.

Nilgiri Dr.	1	Rs 11252.
—		" 3156
Coimbatore Dr.		" 47300
Salem Dr.		" 12500
Arcot Dr.		" 1930
Boarded flume to Horsi.		
tail at Cannanore		" 5200
		Rs 71338
Deduct G.O. No 3293 m		
9/17.11.93 Bffs		Rs 4932
		Rs 66406

Part II.

2524

Budget Estimate for Repairs of Military Works in the 5th Circle during 1884/85

Name of Station	Division	Locality	Items	Estimate 1884/85 Amount	Estimate 1884/85 Total	Estimate 1883/84 Amount	Estimate 1883/84 Total	Remarks
Imperial Ordinary Military								
Presidency	Chinglepat.		Repairs	1,50,000		150,000		
			Do	40,000		35,000		
					1,90,000		1,85,000	

Chas Spendey Lt Col RE.
Supg Engineer
5th Circle

Chepauk.
15th October 1883.

Compd
AK

Heads of classification

Estimated Division

Estimated Subdivision

Estimated Sub-division

Projected Works.

Amount of Estimate

Artillery. Grant 1884-85.

Actual Expenditure 1882-83

Probable Expenditure during 1883-84.

Works in Progress

Works sanctioned

Sites

Remarks and References.

33

287077 76000 96500 231360 327850

Brought Over — 961746

(8) Fortification — Providing Means of Communication.

Completing the emplacements and improving the stores for the 6 g. M.L.R. Guns of the Coast Batteries — 42,320

Schedule No. 34 Class C

" 28,000 14,320 " 14,320 19 Budget 1883-84.

G.O. No. 1661 W. dated 13th Dec. 83

Do — 20 — Various Works. 10,000 10,000 20

Total Original Works. 1004066

2,87,077 1,06,000 1,10,820 2,41,350 3,52,170

Heads of Classification	Executive Division	Locality	Item No.	Projects & Works.	Amount Estimated	Actual Outlay to end of 1883-84.	Outlay Probable during 1884-85.	Grant 1884-85. Works not in Progress.	Grant 1884-85. Works in Progress.	Grant 1884-85. Total.	Item No.	Remarks and References.
				Brought Down	62,491	2,87,077	68,000	64,500	92,010	156,510		
(2) Ordnance Works.	President Allahabad	13		Gun Carriage Fitting Shop and to the Barrel Machine Shop	4,030	"	"	"	4,030	4,030	13	G. O. No. 2413 A. dated 27th Sept. 82. Item No. 35 Class P Budget 1883-84.
	President Bangalore	14		New Ordnance Depôt Buildings at Agram	18,900							Item No. 36 Class P. Budget 1883-84.
——Do.——	——Do.——	——Do.——		New Laboratory	1,880	"	"	"	15,000	15,000	14	Plans and Estimates received with G. O. No. 6231 dated 26th Sept. 83. Military Department will be pleased to submit them for Sanction.
——Do.——	——Do.——	——Do.——		Proposed Fortified Post at Agram	16,100							
(3) Commissariat Buildings.	Chief Engineer Bengal	16		Converting the late Superintending Engineer's Office at Guindy into a Commissariat Slaughter House	11,810	"	"	"	11,800	11,800	15	G. O. No. 1399 M. dated 12th May 1883.
				Carried over	8,11201	2,87,077	68,000	64,500	122,840	187,340		

Heads of classification.	Establishment	Division	Locality	Name of Work	Projects & Works	Remarks & Estimate	Outlay to end of 1882-83	Outlay Probable during 1883-84	Outlay Works in progress	Grant 1884-85 Establishment	Grant 1884-85 Communications	Grant 1884-85 Total	Name of Work	Remarks and References
					Brought over		7,62,491	2,87,077	68000	64500	92010	156510		
(2) Ordnance Works. Presidency Madras					Sawpassing Mills one group, No 3, viz 6 Mill saws. 1 House for 25 Horse power engine with 2 in boilers. 1 Grain charge Despatch Magazine. 2 Watch houses. 1 Tank. Complete with tramways & roads.									
					1 Drying house. Pebble cutting house. 1 Granulating house to be converted into a Pebble cutting Machine house.									
					New additional Compound Walls. 2 Bridges.									
					Carried over.		7,62,491	2,87,077	68000	64500	92010	156510		

Outlay Grant 1884-85.

Heading Classification.	Section	Division	Locality	Item No.	Projects & Works	Amount	Estimate	Actual outlay 1882-83.	Actual outlay 1883-84.	Works in progress	Works commenced	Total	Item No.	Remarks & Reference.
					Brought Over	537436		33338	48000	34500	92010	126570		
(2)	Ordnance Works.	Presidency Island.	12		Improvements to the Gun Powder Factory	225065		98739	20,000	30,000	"	30.000	12	Item No 4 Class A Budget 1883/84. G.O. No 2073 F dated 30th July 1883.
					Glazing & Ducking houses, one Group Viz 1 Glazing house — 1 Ducking — Do — 1 House for 12 Horse power engine and 2 tin boilers — 1 Watch house — 1 Deposit & Magazine 1 Tank. — Complete with tramways, roads &c.									
					Carried over	762491		87077	68000	64500	92010	156570		

Outlay. Grant 1884/85

Heads of Classification.	Commission Division.	Corps &c.	Item No.	Projects & Works.	Amount of Estimate.	Actual outlay 1882-83.	Probable outlay 1883/84.	Works in Progress.	Works not Commenced.	Total.	Item No.	Remarks & References.
				Brought over	4,35,566	88338	48,000	34500	19200	60700		
(1) Accommodation for Troops. Buildings for European Troops in the plains Permanent		Presidency Bangalore	7	Constructing Stables for 3 Batteries R. H. A. and Field Batteries	57,000	"	"	"	30,000	30,000	7	
Do	Do	Sankhaid & Gurgo.	8	Covered Gymnasium	10,840	"	"	"	10,840	10,840	8	Item No 17 Class C. Budget 1883/84
Do	Do	Bangalore	9	Quarters for the Senior Apothecary of the North Station Hospital	3,670	"	"	"	3,670	3,670	9	Item No 15 Class C Budget 1883/84
Buildings for Native Troops in the plains Permanent	Do	do	10	Accommodation for a Regiment of Native Cavalry	26,100	"	"	"	26,100	26,100	10	Item No 24 Class C Budget 1883/84.
Do	Do	do	11	Constructing 2 Latrines for Patients, Sepoys & Sweepers	3,300	"	"	"	3,300	3,300	11	Item No 35 Class C Budget 1883-84.
				Carried over	537436	88338	48000	34500	92010	126510		

Imperial
Military Works.

Part I (continued)

Detail of the Budget Estimate of Original works for the year 1883-84.

Head of Classification	Executive Division	Locality	Item No.	Project and Works	Amount of Estimate	Outlay: Actual to end of 1882-83	Outlay: Probable during 1883-84	Outlay: Works in Progress	Grant 1884-85: Normal: Works not Commenced	Grant 1884-85: Normal: Total	Grant 1884-85: Special: Works in Progress	Grant 1884-85: Special: Works not Commenced	Grant 1884-85: Special: Total	Grant 1884-85: Total: Works in Progress	Grant 1884-85: Total: Works not Commenced	Grant 1884-85: Total: Total	Item No.	Remarks and References.
														40283	7470	47753		
Cannanore			4	Converting the old Artillery Stables at Cannanore into a Bakery and for sinking a well	7,660	-	5000	-	-	-	2660	-	2660	2660	-	2660	4	G.O. No 2213 W of 10th August 1883.
(1) Accommodation for troops building for European troops on the Hills.	Wellington		5	Gymnasium for the depot	21,835	-	-	-	-	-	15,000	15,000	-	15,000	15,000	-		Estimate submitted to the Appl. Dy Mr Gl Bangalore Division with the Nilgiri Dn Officer No 617 of 13th March 1883.
	Ootacamund		6	Converting present Cattle shed into a Latrine and Constructing a Covered passage, Laurence Asylum	2700	-	-	-	-	-	2700	2700	-	2700	2700	-		G.O. No 3383 W of 21st December 1882.
														42,943	25,170	68,113		

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

Budget Estimate 1884-85.

	Original Works			Repairs	Establishment	Tools and Plant	Surveys & Commn.	Annuals Depart.	Total	Revised Estimate 1883-84	Budget Estimate 1883-84	Actuals 1882-83
	In progress.	Not Commenced.	Total									
Provision from Imperial Funds												
In India	44,923	59,570	104,493	57,000	.	.	.	.	161,493	97,980	88,590	76,712
In England	.	.	.	.	.	.	.	.	.	.	.	.
Total	44,923	59,570	104,493	57,000	.	.	.	.	161,493	97,980	88,590	76,712
Provision from Contributions												
In India	.	.	.	.	.	.	.	.	.	.	.	.
Grand Total	44,923	59,570	104,493	57,000	.	.	.	.	161,493	97,980	88,590	76,712

Revenue.

Abstract of the Budget Estimate of Revenue of the Public Works Department, from Military works in the Fourth Circle from 1st April 1884 to 31st March 1885.

	Budget Estimate 1884-85.	Revised Estimate 1883-84.	Budget Estimate 1883-84.	Actuals 1882-83.
In Public Works Department	2600	.	2600	1713
In Civil & Military Department	.	.	.	.
Total—	2600	.	2600	1713

Charges.

Abstract of the Budget Estimate of Expenditure of the P. W. D. of Military Works in the Fourth Circle for the year from 1st April 1884 to 31st March 1885.

		Reference to Detailed Estimate	Budget Estimate 1884-85.	Revised Estimate 1883-84.	Budget Estimate 1883-84.	Actuals 1882-83.
Original Works	In progress	-	44,923	46,980	36,590	22,039
	Not Commenced	—	59,570			
Repairs	Ordinary	—		57,000	51,000	52,000	54,673
	Special	—				
Establishment		—					
Tools and Plant		—					
Suspense Account		—					
Total		—		161,493	97,980	88,590	76,712

No.

1

12

13

14

15

16

17

Sixth Circ

S.W. E.1.
9476/83

Dated 2 October

ENCLOSURE. 5.

Statement to accom-
-pany Budget for
Imperial, Militia
for 1884-85. Vide
G.O. No. 2288W dated
16th August 1883.

OFFICE OF THE SUPERINTENDING ENGINEER,

6TH CIRCLE.

Trichinopoly 27 October 1883.

No. 1511 T.J

From

The Superintending Engineer,

6th Circle.

To

The Chief Engineer

P.W.D.

Sir,

With reference to your Memo
No 2022 C of 22d Instant, I have the
honor to inform you that I have, with
my letter No 1408 T.J of 15th Instant, sub-
mitted to you the compiled Budget
Estimates for this Circle for 1884-85 as
desired in your Nos 1838 C & 1848 C dated 2d Oct 83
& 1908 C of 9th Oct 83.

2. With regard to para 2 of the
Memo, I forward herewith the statements
under all heads of service, showing the
approximate outlay in the current year,
and the proposed expenditure during
the ensuing official year, as required
by G.O. No 2288 W of 16th August 1883, although
in your Memo under reply you call
for a statement showing only the appro-
-ximate

Statement to accompany Budget Estimate for 6th Circle Imperial Military Works for 1884-85 Vide G.O. No. 2288W. 16-8-83

No.	Names of Works	Amount of Estimate	Approximate outlay in 1883-84	Proposed Expenditure in 1884-85	Remarks.
1	2	3	4	5	6
	Brought forward			23050	
12	Magazine for 30th Regiment	650	"	650	Regimental buildings required for the new Lines for the 30th Regiment, should be ready as soon as the Lines are completed.
13	Armourers Shop for — do.	2,330	"	2,330	
14	Store-rooms for do.	1,600	"	1,600	
15	Solitary Cell — do.	920	"	920	
16	Unit-Store room for — do.	660	"	660	
17	Grant to be placed at the disposal of the Executive Engineer for Minor New Works.	500		500	Repairs — Trichinopoly — Rs. 18 Dindigul — Rs. 6000
	Total Major and Minor Works	500		29,710	

Superintending Engr's Office 6th Circle
Trichinopoly 27th October 1883

Lieutt Col R.E.
Superintending Engineer 6th Circle

6th Circle

Statement to accompany Budget Estimate, for Imperial Military Works, for 1884-85 Vide G.O. No. 2288 W. 16-8-83

No.	Names of Works	Amount of Estimate	Approximate outlay in 1883-84	Proposed Expenditure in 1884-85	Remarks.
1	2	3	4	5	6
	Brought forward			13,250	
5.	Four Latrines for 30th Regiment	6,600	"	3,300	
6	Bells of Arms Cambé-ned with Quarter guard for a 3d Regiment	8,450	"	2,000	
7	Solitary Cell for — Do —	920	"	500	
8	Magazine for — Do —	650	"	500	
9	Armourers shop for 3d Regiment	2,330	"	2,000	
10	Store-room for — Do —	1,600	"	1,100	
11	Tent Store room for Do —	660	"	500	
	Carried Over			23,050	

19

Estimates sent to Military department, the buildings will be required as soon as the 30th Regiment have built their new lines.

A 3d Regiment is expected next year at Trichinopoly and they are to build new lines, as it is important that their Regimental buildings should be all ready as soon as the Lines are Completed. Funds will be required to Commence. these Estimates are being sent to the Military authorities.

Statement to accompany Budget Estimate, for 6th Circle Imperial Military Works, for 1884-85 Vide G.O. No. 2288 W. 16-8-83

No.	Names of Works	Amount of Estimate	Approximate outlay in 1883-84	Proposed Grant for the year 1884-85	Remarks.
1	2	3	4	5	6
	Imperial Ordinary Military Original Works.				
1	Construction of Latrines for the use of Native troops of 21st Regiment, Trichinopoly	3,300	"	3,300	Estimates sent to Military Authorities, the amount entered will probably allow 1 Privy being built. Two are urgently required.
2	Proposed enlargement and Construction of an outer verandah to 30th Regiment Infantry Barracks &c—	7,000	"	"	Estimate sent to Military Authorities at their request. Probably not required.
3	Constructing Bells of Arms Combined with Quarter guard for 30th Regiment—	8,450	"	8,450	
4	School room for 100 pupils for —Do.—	2,650	"	1,500	
	Carried Over—			13,250	

F. R. C. Ls. §47 H

6th Circle.

Dated 27th Octr 15.
Recd. 30

G O No 3644 / 3645 Wd 19th Decr

Imperial
Military works
Part II

Supplement

Detail of the Budget
Estimate for Repairs
for the year 1884-85

Sixth Circle

D/ 15 October 1883

Imperial
Military Works
Part II.

Detail of the Budget
Estimate for Repairs
for the year 1884-85

Supplemental 6th Circle

Part II

Imperial
Military

Detail of the Budget Estimate for
Repairs for the year 1884-85

No of Classification	Div	Locality	Items	Estimate for 1884-85 Amount	Estimate for 1884-85 Total	Estimate for 1883-84 Amount	Estimate for 1883-84 Total
			Imperial ordinary Military				
		Trichinopoly	Municipal Fuse on Military Powder Magazine at Trichinopoly	5300	5300	5300	5300

Supg Engrs Office
Trichinopoly
27/10/83

Lt Col
RE
Supg Engineer
6th Circle

To The Chief Engineer PWD
with reference to G-O-No 2904 W
15-10-83

Sixth Circle

D/ 15 October 1883

b/c to 3641 / 3645 was 29th Dec/82.

Imperial
Military Works
Part I

Detail of the Budget
Estimate for Original
Works for the year
1884-85.

Imperial
Military

6th Circle.
Part II.

Detail of the Budget Estimate for
Repairs for the year 1884-85

Head of Classification	Executive Division	Local City	Items	Estimate 1884-85 Amount	Estimate 1884-85 Total	Estimate 1883-84 Amount	Estimate 1883-84 Total
			Imperial Ordinary Military				
	Trichinopoly	Trichinopoly	Accommodation for Troops ———	4,600			
			Compensation for Quarters				
			Medical Subordinates ———	200			
			Military Roads				
			Cantonment Roads	1200	600	4000	4,000

Superintending Engineer 6th Circle
Trichinopoly 15 October 1883

Lieut Col RE
Superintending Engineer 6th Circle

Imperial
Military Works.

6th Circle.
Sheet I.

Detail of the Budget Estimate for Original Works for the year 1884-85.

Head of Classification	Executive Division	Locality	Item No.	Project and Works.	Amount of Estimate	Outlay	Grant for 1884-85 Normal			Special			Total		Item No.	Remarks.
						Actuals to end of 1882-83 / Probable during 1883-84	Works in Progress	Works not Commenced	Total	Works in Progress	Works not Commenced	Total	Works in Progress	Works not Commenced		
				Brought forward												
Accommodation for Troops	Trichinopoly	Trichinopoly	14	Armourers Shop for 30th Regiment	2,330	"	"	"	"	"	"	"	2,330	220	14	Estimate submitted to Military authorities for approval
Buildings for Stating Troops.	—Do—	—Do—	15	Store room for —Do—	1,600	"	"	"	"	"	"	"	1,600	1,600	15	Standard plan awaited Vide letter to the Chief Engr No 2157C 19-7-83
	—Do—	—Do—	16	Tent Store room for Do	660	"	"	"	"	"	"	"	660	660	16	
	—Do—	—	17	Grant to be placed at the disposal of the Executive Engineer for Minor New Works	"	"	500	"	"	"	"	"	"	500	17	
				Total										29710		

Supg Engineer's Office 6th Circle
Trichinopoly 15th October 1883

Lieut Col R E
Superintending Engineer 6th Circle

Imperial Military Works.

6th Circle.

Detail of the Budget Estimate, for Original Works for the year 1884-85.

14

Head of Classification	Executive Division	Locality	Item No.	Project and Works.	Amount of Estimate	Actuals to end of 1882-83	Outlay Estimated during 1883-84	Grant for 1884-85 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	Item No.	Remarks.
				Brought forward												16,530		13
Accommodation for Troops Building for Infantry Troops	Trichino-poly	Trichino-poly	6	Balls of Arms Combined with Quarter guard for a 3d Regiment	2,450	"	"	"	"	"	2,000	"	"	2,000	6	Abstract Estimate will be submitted on receipt of the Estimates sent for the 30th Regiment Building approved
	Do	Do	7	Solitary Cell for Do	920	"	"	"	"	"	500	"	"	500	7	
	Do	Do	8	Magazine for Do	660	"	"	"	"	"	500	"	"	500	8	
	Do	Do	9	Armourers Shop for Do	2330	"	"	"	"	"	2,000	"	"	2,000	9	
	Do	Do	10	Store room for Do	1600	"	"	"	"	"	1,000	"	"	1,000	10	Standard plan awaited vide letter to the Chief Engr & WD. No. 2157C 19-7-83
	Do	Do	11	Tent Store room	660	"	"	"	"	"	500	"	"	500	11	
	Do	Do	12	Solitary Cell for 30th Regiment	920	"	"	"	"	"	920	"	"	920	12	Estimate sent to the Military authorities for approval
	Do	Do	13	Magazine for Do	650	"	"	"	"	"	650	"	"	650	13	Do Do
				Carried Over												24,620		

Imperial Military Works.

6th Circle.

Detail of the Budget Estimate, for Original Works for the year 1884-85.

Head of Classification	Executive Division	Locality	Item No.	Project and Works.	Amount of Estimate	Outlay	Grant for 1884-85 Normal			Special			Total			Item No.	Remarks.
						Actuals end of 1882-83	Probable during 1883-84	Works in Progress	Works not Commenced	Total	Works in Progress	Works not Commenced	Total	Works in Progress	Works not Commenced	Total		
				Imperial Ordinary Military Original Works														
Accommodation for Troops																		
Buildings for Native Troops	Trichino-poly	Trichino-poly	1	Constructing two Latrines for the use of Native Troops of 21st Regiment	3300	"	"	"	"	"	"	"	3300	"	"	3300	1	Estimate under preparation in the Dul office at the request of the Military authorities.
—Do—	—Do—	—Do—	2	Proposed Enlargement and Constructing an outer Verandah to 30th Regiment Infantry Barracks	7,000	"	"	"	"	"	"	"	"	"	"	"	2	Estimate sent to Military Authorities by the Dul Office on the 2-4-83 Item No. 32 Appendix B of 1883-84 Budget Probably not required
—Do—	—Do—	—Do—	3	Constructing Bell of Arms for 30th Regiment	8,450	"	"	"	"	"	"	8,450	"	"	8,450	"	3	Estimate sent to Military Authorities by the Dul Office on the 15th Sept'r 83 Number 2807 Do Do
—Do—	—Do—	—Do—	4	School room for 100 pupils for Do	2,650	"	"	"	"	"	"	1,500	"	"	1,500	"	4	Estimate under preparation in the Dul office at the Request of the Military authorities
—Do—	—Do—	—Do—	5	Four Latrines for 30th Regiment	6,600	"	"	"	"	"	"	3,300	"	"	3,300	"	5	Estimate under preparation in the Dul Office Item No 3307 Appendix B of 1883-84 Budget.
				Carried Over											16,550			

Artillery Grant 1894/95

Heads of Classification.	Estimate No.	Amount of Estimate.	Project of Works.	Amount to end of 1892-93.	Probable Amount 1893/94	Works to be Begun	Works to be Completed	Total Cost	Saved	Remarks & References.
(1) Accommodation for Troops.			Brought Over	270,000	50,949	10,000				
Buildings for European Troops in the Fairs	Kingston Saint Thomas Mount	2	New Barracks for Royal Artillery	137,760	37,349	30,000	20,000	20,000		Item No 2 Class A Budget 1893/94.
Permanent.										
— Do —	— Do —	— Do —	3 Raising the Main walls and removing the posting of the East and West Warnefs Rooms Troops Lines	4,200			4,200	4,200	3	G. O. No 3137 dated 17th Dec/91.
— Do —	— Do —	— Do —	4 Constructing 6 Blocks of Stables for two Field Batteries, Royal Artillery	20,610			10,000	10,000	4	G. O. No 3747 dated 7th October/93
— Do —			5 — Minor Works —				5,000	5,000	5	
— Do —	Quinsmy Bungalow	6	Additions and alterations to the Wash Houses, Parade Barracks	13,000						G. O. No 1100 & 377 4th May 1890.
					8,000	4,500		4,500	6	Item No 1 Class B, Budget 93/94
			Carried over	435610	88338	48,000	34500	19,200	53,700	

Part I.

Detail of the Budget Estimate for Original Works for the year 1884-85.

Heads of Classification	Section	Division	Sub-Division	Item No.	Projects & Works	Remarks & References
					Imperial Ordinary Military Original Works.	
1 Accommodation for troops. Building for European troops in the plains Permanent	Chinglepet	Poona.		1	Barracks for European troops at Poonamallee 270 men	
					New Double Storied Barracks for 200 men with out houses — 166,000	
					New Quarters for 30 Families with out houses — 22,200	
					— Do — for Apothecary — 7,100	
					Alterations to the existing buildings and demolitions — 18,476	
					3,76,000	
					Deduct value of old Materials — 4,300	
					Carried over — 3,70,000	

Outlay. 1883/84	Grant 1884/85	Remarks & References
Actuals to end of 1883/84	Probable during 1884/85	
	Works in progress	
	Works commenced	
	Total	
50,989	10,000	1. Item No 1 Class A Budget 1883/84
6,908		By G.O. No 2633 W dated 20th Sept/83 the question of the retention of the Depot is under consideration.
43,549	10,000	
532		
50,989	10,000	

P.W.O. 9645

Fifth Circle.

No 2758

Dated 2nd
Received } November 1883

G.O. No 3644 W of 19th Dec/83
3645

Budget Estimate
for repairs of Military
Works during 1884-85—
Forwards a Supplemental

B

25

Fifth Circle.

Dated 15th
Recd } October/84

No 2555

G.O. No 3644 W of 19th Dec/83
3645

Imperial Budget
Estimate of Military
Works for the year
1884-85.

B

P. W. D. 6TH CIRCLE.

From

The Superintending Engineer,

6th Circle.

To

The Chief Engineer
P. W. D

No. 1511 T.S

Dated 27 Octr / 1883

Received 30

Enclosure 5

G.O. No 3644 W dy 19th Dec/83
3645

Statements called for in G.O. No 2288 W of 16th August 83. in connection with Budgets for 1884-85.

Forwarded the —

No 2758

24

Part II

Budget Estimate for repairs of Military Works in the 5th Circle during 1884-85.

Head of Service.	Division.	Locality.	Items	Estimate 1884/85 Amount	Estimate 1883/84 Amount	Remarks.
Military Works			Imperial Ordinary Military Repairs — Amusement Tax on Military Buildings at Madras.	16,000		Vide G.O. No 2521 W. & 2904 W. dated 8th September & 15th October 1883.

Chepauk. — 2nd November 1883

Asst Superintending Engineer 6th Circle.

Compared

mate outlay in the current year.

I have the honor to be

Sir

Your most obedient servant.

Lieut R.E.
Dep. Engineer, Leeds.

List of Military Works estimated to cost Rs. 2,500 and under, and for which Funds are required in the Public Works Budget for 1884-85—*cont.*

Division or District.	Station.	Description of buildings, &c., and for what corps or department needed.	Approximate estimate of cost.	Remarks by the standing Barrack Committee as to the necessity of the buildings, references to former applications, orders of Government, &c.	Remarks by the Officer Commanding Division or District.	Remarks by the Commander-in-Chief.
Ceded Districts—*cont.*	Bellary—*cont.*	*Native Infantry Hospital.* Two small cook-rooms for use by 25th and 27th regiment.	600	A temporary arrangement for utilizing an unused latrine has been recommended, but has not been found to answer. There is no other place available, and out-door cooking is not advisable for sick. The lines are distant about ½ mile. This is included in the budget works for 1883-84, and the estimate (approximate) is for Rs. 1,200. The present is for two small sheds against the rear compound wall. G.O., No. 2590 W., dated 4th October 1882.	To turn a latrine, even an unused one and for a temporary arrangement, into a cook-room, seems to me altogether unsuited and objectionable. Two small cook-houses are undoubtedly required.	Cook-houses very necessary. Should there be no objection on sanitary grounds and if the latrine has not been in use, there seems no reason why the proposed arrangement should not answer.
		Ordnance Depot. Out-houses for the quarters of the laboratory sergeant, attached to the ordnance department.	620	These quarters have been recently formed from a portion of the depot stores and are devoid of the accommodation asked for. Estimate sanctioned in G.O., No. 2461 W., dated 3rd September 1883.	Must be repaired and is therefore recommended.	When funds are available.
		Female Hospital. Compound wall	1,600	There is at present no fence round this hospital to ensure the privacy of the inmates. This hospital is close to the station hospital and the European infantry barracks.	This is, I think, very much required. There is absolutely nothing to prevent a passer-by seeing the patients in their beds. Privacy is also required for the patients walking about of an evening and for washing soiled linen.	Very desirable.

Fort St. George,
11th October 1883.

(Signed) D. J. S. McLEOD, Major,
for Quartermaster-General.

ENDORSEMENT

Appendix No. 3003 *W., dated* 24*th October* 1883.

Buildings and Roads.

Schedule of the probable requirements of the Madras Presidency on account of Imperial Works for 1884-85.

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Class.	Original Works. Major Works. Works in progress.	Original Works. Major Works. New Works.	Original Works. Major Works. Total.	Original Works. Minor Works.	Original Works. Total.	Repairs.	Establishment.	Tools and Plant.	Suspense.	Grand Total.	Remarks.
				Imperial, Ordinary. *Military.*		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
(1) Accommodation for troops—Buildings for European troops in the plains—Permanent.	Chingleput.	St. Thomas' Mount.	1	New barracks for Royal Artillery.	A	40,000	..	40,000	..	..	..	..	..	..	..	Estimate of Rs. 1,27,750 sanctioned in G.O., No. 1894 W., of 25th July 1882. Item No. 2, Class A Works, of Budget of 1883-84.
	Coimbatore.	Malapuram.	2	Barracks for detachment British Infantry to accommodate 100 men.	A	40,000	..	40,000	..	..	..	..	..	..	..	Estimate of Rs. 90,830 sanctioned in G.O., No. 1840 W., of 18th July 1882. Item No. 3 Class A Works, of Budget of 1883-84.
	Presidency.	Bangalore..	3	Alterations and additions to wash-houses for the British Infantry.	A	4,500	..	4,500	..	..	..	..	..	..	..	Estimate of Rs. 12,500 sanctioned in G.O., No. 1102 W., of 7th May 1880. Item No. 1, Class B Works, of Budget of 1883-84.
	Do. ..	Fort Saint George.	4	A covered gymnasium to be erected in the Ball Ally of the European regiment.	A	..	9,800	9,800	..	..	..	..	..	..	..	Estimate awaited. Item No. 17, Appendix B, Budget of 1883-84.
	Do. ..	Do. ..	5	An armourer's shop on the standard plan, for the European Infantry regiment.	B	..	5,000	5,000	..	..	..	..	..	..	..	Estimate awaited.
	Chingleput.	St. Thomas' Mount.	6	Constructing six blocks of stables for two field batteries of Royal Artillery.	A	..	20,160	20,160	..	..	..	..	..	..	..	Estimate of Rs. 20,160 sanctioned in G.O., No. 2747 W., of 1st October 1883.
	Do. ..	Do. ..	7	Plunge-bath for Royal Artillery.	B	..	12,600	12,600	..	..	..	..	..	..	..	Estimate awaited. Item No. 1, Appendix B, Budget of 1883-84.

List of Military Works estimated to cost Rs. 2,500 and under, and for which Funds are required in the Public Works Budget for 1884-85—*cont.*

Division or District.	Station.	Description of buildings, &c., and for what corps or department needed.	Approximate estimate of cost.	Remarks by the standing Barrack Committee as to the necessity of the buildings, references to former applications, orders of Government, &c.	Remarks by the Officer Commanding Division or District.	Remarks by the Commander-in-Chief.
		Royal Artillery—cont.	Rs.			
		Stone drains to forage yard and lines, Royal Horse Artillery.	1,440	G.O., No. 3066 of 2nd December 1879. Much required.	Desirable	When funds are available.
		Cook-houses for sergeants' messes of two field batteries. One desirable.	1,470	Very necessary. First brought forward in 1882.	Very necessary	Approved.
		12th Royal Lancers.				
		To provide a gymnasium and fencing room ..	1,500	Very necessary. Recommended that half of No. 5 block, British cavalry barracks, be converted into a regimental gymnasium and fencing gallery. First time brought forward.	Strongly recommended ..	When funds are available.
		A latrine with twelve seats for use of the men whilst at stables is indispensable.	1,200	Very necessary. First time brought forward ..	Six seats urgently required.	Six seats approved.
		Commissariat Department.				
		To build, or render present building used as such (built for a native), quarters for the station butcher.	500	Very necessary, if the station butcher is to live at the slaughter-house. First time brought forward.	Desirable	When funds are available.
		To improve the road leading from slaughter-house to circular road near cavalry barracks to enable meat carts to travel to and fro without breaking down or injuring meat by jolting.	1,400	Necessary	Desirable when funds are available.	Do. do.
		Transport Department.				
Bangalore Division—*cont.*	Bangalore—*cont.* ..	The speedy construction in the transport cattle-lines of a shed for carts and trollies.		The adoption of existing camel-sheds, which are more than are now required for camels, into these buildings is very necessary. The mules (other than sick ones) should be picketted in regular mule-lines, south of transport non-commissioned officers' quarters and only such mules left under shelter. First time these requirements have been brought forward.	Necessary, so far as recommended by Committee.	Approved.
		A saddle-room	1,200			
		Store-rooms				
		All being urgently required for the storage of saddles, line, gear, &c., and for protection of carts and trollies.				
		Army Hospital Corps.				
		Thirty-three huts to be erected in the vicinity of the south station hospital.	924	First time these requirements have been brought forward.	Necessary on the corps being embodied.	Do.
		Twenty-seven huts near the north station hospital are absolutely necessary for the use of the men of the native army hospital corps doing duty in Bangalore. Clause 264, paragraph 24, Army Circulars, 30th November 1882.	756			
		Medical Department.				
		Stables for medical subordinates attached to Royal Artillery and Cavalry, south station hospital.	1,000	Much required. Temporary stabling at present, which is objectionable.	Necessary if the medical subordinates are entitled to stabling.	When funds are available.
		British Infantry.				
		Roofing the corrugated iron urinals in barrack square.	1,320	G.O., No. 3065, dated 21st July 1876 .. .. ,, No. 4383 ,, 30th August 1876. ,, No. 2611 ,, 26th September 1876. ,, No. 2732 ,, 11th October ,,	Urgently required ..	Approved.
		Latrines for native followers	1,600	Strongly urged by the medical authorities. First recommended in 1882. Much needed, there being no proper resort to this class.	Required	Do.
	Wellington ..	Removing the present concrete floors of latrines of Nos. 1, 2, 3, 4 and 5 barracks and school blocks and relaying the same with 12 square tiles.	1,680	G.Os., Nos. 1472 and 1812, dated 4th and 9th June 1874. Recommended 1882. Very necessary. The present concrete flooring is always out of repair.	Very necessary	Do.
		Bath-rooms to Nos. 1, 2, 3, 4 and 5 blocks for pay sergeants.	2,350	Recommended 1881 and 1882. Very necessary, as at present the married pay sergeants who live upstairs are without bath-rooms.	Very desirable	Do.
		Brick tiled flooring, instead of present concrete, to covered passage leading from married quarters to latrines.	1,000	Recommended 1882. Very necessary. The present flooring is always out of repair.	Desirable	Do.
		Purveyor's stores to be enlarged as the space is insufficient for bedding, clothing and furniture.	2,000	Recommended 1882. Necessary	Necessary	Do.
		Supplying 7 cooking stoves to staff sergeants' quarters similar to those for married quarters.	600	Very necessary. First time brought forward ..	Very desirable	Do.
		Supplying cooking range to sergeants' mess capable of cooking for 30 sergeants.	800	Do. do. do. ..	Desirable	Do.
		Compound wall and alterations to the Commissariat buildings.	1,280	G.O., No. 345, dated 24th August 1875. Desirable.	Not urgently required ..	When funds are available.
		Drainage works near barracks	1,322	G.O., No. 1748, dated 23rd July 1872. Desirable, much wanted.	Recommended	Do. do.
		Erecting a stone reservoir and laying pipes between springs and outlet of spring water supply.	2,070	G.O., No. 6809, dated 28th November 1876, desirable.	Desirable	Do. do.
Ceded Districts.		*27th Regiment, Native Infantry.*				
	Bellary	School	1,300	The present building is wanting in room and ventilation. Rs. 1,000 was the amount of estimate in budget list for 1883-84 for 100 scholars, but provision has since been made for 130. G.O., No. 2590 W., dated 4th October 1882.	This is very much required, the present building being quite unsuitable.	Do. do.
		Latrine for the left wing	1,500	The present one is inconveniently situated for this half battalion and there is not sufficient seat accommodation for the whole regiment, G.O., No. 2590 W., dated 4th October 1882.	Recommended, but the estimate appears very high. The latrine is much required.	Estimate seems expensive.

List of Military Works estimated to cost Rs. 2,500 and under, and for which Funds are required in the Public Works Budget for 1884-85—*cont.*

Division or District.	Station.	Description of buildings, &c., and for what corps or department needed.	Approximate estimate of cost.	Remarks by the standing Barrack Committee as to the necessity of the buildings, references to former applications, orders of Government, &c.	Remarks by the Officer Commanding Division or District.	Remarks by the Commander-in-Chief.
		Commissariat Department—cont.	Rs.			
Eastern District—*cont.*	St. Thomas' Mount.	Sinking a well, erecting a moat and trough apparatus, public cattle depôt.	800	Required in the public cattle depôt in consequence of there being no water nearer than a tank 250 yards distant from the lines which in the hot season is perfectly dry; during the period the bullocks have to be taken to the river for water.	Recommended. When funds are available.	When funds are available.
		Lavatories on the standard plan for the north barracks.	2,000	Urgently required for the barracks ..	Recommended. These barracks have no proper lavatories.	Approved.
		Lavatories on the standard plan for the south barracks.	2,000	Do. do. ..		
		Bath-room for hospital of the native infantry regiment.	360	Much required, there being no accommodation which could be used for the purpose.	Recommended.	Do.
		Hospital wall to be completed	286	Present wall encloses three sides of the hospital, while on the fourth side and nearest the regimental lines there is none. If wall is completed, all ingress and egress will be confined to the regular entrance and a better watch kept over the movements of patients.	Do.	Do.
	Vizianagrum ..	Three public latrines, viz., one for men in the left wing, and two for women, one in each wing, on dry earth system.	2,255	Much required, there being at present only one latrine for men in the right wing, sanctioned *vide* Proceedings of Madras Government, No. 292, dated 24th January 1874. Rs. 765 for one completed, sanction for three more asked for.	Do.	Do.
		Powder magazine with surrounding walls on standard plan.	1,990	Much required, the present magazine having been condemned and having no protecting walls round it. The shelves being built into the walls are continually attacked by white-ants.	Do.	Do.
		Armourer's workshop	900	Much required, the work having been sanctioned *vide* Proceedings of Madras Government, No. 1111, dated 17th April 1873, progress of work stopped on account of famine in 1877, and not since completed.	Do.	Do.
		A wall to the military hospital of the native infantry regiment.	1,016	There is no wall or fence separating the hospital from a small village which adjoins it, to which patients in hospital can find easy access. A proper wall is therefore absolutely necessary. Approved when funds are available—*vide* extract from list of works for 1878-79. Estimate sanctioned in G.O., No. 1236 W., dated 25th April 1883.	Do.	Do.
	Berhampore ..	School-house for a native infantry regiment ..	960	A school-house is absolutely required for the use of the regiment, the present building (regimental property) having fallen in and being utterly unsuited for the purpose. G.O., No. 3764, dated 6th July 1883. P.W., No. 1768, dated 23rd June 1883.	Do.	Do.
		Barracks, Native Infantry.				
Western District.	Mangalore ..	Forge trough and cupola to the armourer's workshop, also a screen as per clause *e*, paragraph 13 of G.O.C.C., No. 12, dated 12th February 1874.	730	Original estimate for Rs. 500 sanctioned—*vide* Proceedings of Madras Government, Military, No. 2133, dated 13th September 1876. G.O., No. 2590 W., dated 4th October 1882.	Required	When funds are available.
		European Infantry.				
	Calicut	Introducing dry earth system	758	An important work. G.O., No. 2590 W., dated 4th October 1882.	Important	Most important.
		European Infantry.				
		Replacing the laterite flooring of the recreation room with concrete in chunam and asphalte.	2,140	Recommended. The laterite perishes rapidly. Sanction in abeyance.	Depends on the result of the experiment made with these materials in the native infantry place of arms.	Necessary.
		Replacing the present flooring of the school-room with concrete in chunam and asphalte.	770	Recommended. The laterite flooring perishes rapidly.	Seems desirable	Do.
		Replacing the present wooden railings round the barracks with open laterite work.	639	Recommended on economic grounds. The wooden railings are expensive and require constant renewal. Sanctioned by Commander-in-Chief.	Desirable	Do.
	Cannanore ..	Replacing the present flooring of the European infantry cells with concrete in chunam and asphalte.	1,100	Recommended. Laterite flooring is found to perish rapidly. Sanction in abeyance.	Depends on the results of the experiment made in the native infantry place of arms with these materials.	Do.
		Station Hospital.				
		Sinking a well	664	Another well is required. The water-supply is very scanty during the hot weather. Sanctioned by Commander-in-Chief.	Recommended	Very necessary.
		Ordnance Department.				
		Raising the parapet of the magazine redoubt on a level with its eaves and moving the guard-room from inside to outside the ditch.	1,900	Desirable as a precautionary measure ..	Do.	Very desirable.
		Native Infantry.				
	Quilon	An armourer's shop	1,700	Much needed. The existing building is unsuited to present requirements. Browning arms cannot be carried on.	Desirable	Very necessary.
		Royal Artillery.				
Bangalore Division.		A new latrine for the staff sergeant's quarters, Royal Horse Artillery, the present one being old and condemned on sanitary grounds.	2,100	Very necessary. This was condemned by a Board of which Deputy Surgeon-General was a member. Recommended in 1882.	Urgently required ..	Recommended.
	Bangalore ..	Ration shed for field batteries	1,750	G.O., No. 1232 of 14th May 1872. Much required. No cover for issue of rations.	Desirable	When funds are available.
		A battery staff sergeant's quarters for Royal Horse Artillery. One more required is now desirable.	1,100	Very necessary. There is at present no quarters for battery quartermaster-sergeant. The Committee recommended the conversion of the present camp store into a quarter, the camp equipage being removed into old foot artillery barracks. First time recommended.	Conversion recommended ..	Approved.

GENERAL.
ACCOUNT.

Govt. of {1883} Works.

PUBLIC WORKS.

Dated July, 31st.

Read.

Read

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.

(Appendix to G.O., No. 3002 W., dated 24th October 1883.)

LIST of Military Works estimated to cost Rs. 2,500 and under, and for which Funds are required in the Public Works Budget for 1884-85.

Division or District.	Station.	Description of buildings, &c., and for what corps or department needed.	Approximate estimate of cost.	Remarks by the standing Barrack Committee as to the necessity of the buildings, references to former applications orders of Government, &c.	Remarks by the Officer Commanding Divison or District.	Remarks by the Commander-in-Chief.
		Arsenal.	Rs.			
Eastern District.	Fort St. George ..	A verandah to Section II, VI, and VII, Store ..	400	Very much needed for the storage of serviceable fire-engines which are now kept out.	Recommended	Approved.
		A store-room in the forge workshop	520	Very much needed, the present one being too small.	Do.	Do.
		Railings to miscellaneous workshop and a door between them and armourer's shop.	790	Very much needed	Do.	Do.
		A shed in the new park	440	Very much needed for painting canvas ..	Do.	Do.
		The verandah of the European infantry officers' mess-house to be extended.	1,900	Required as the present verandah is too small ..	Recommended. The mess-house has a very small verandah and would be much improved by a verandah along the sea-face of the building.	Do.
		A good water-tap for the quarters of the superintendent of fire-engines.	200	Very much needed	Recommended	Do.
		Body Guard.				
		Dispensary for veterinary department for Body Guard.	1,300	*Nil*	Do.	When funds are available.
		Gun-powder Factory.				
		Breaking down house .. .. .. 1 Breaking down machine. 1 House for 6-horse power engine and boiler.	500	G.O., No. 59, dated 7th January 1874 ..	Recommended as being apparently portion of the scheme for the thorough renewal of the gun-powder factory—*vide* items in the list of major works.	Approved.
		Powder magazine .. .. Wooden flooring and thorough repair.	1,100	G.O., No. 1501, dated 31st March 1875 ..		
	Madras	*Commissariat Department.*				
		A wheat store-room for the Government bakery.	1,785	There is no place at present should emergency demand the storage of wheat without endangering the safety of the bread-stuffs by the introduction of weavils into the main building. Estimate sanctioned in G.O., No. 1863 W., dated 5th July 1883.	Recommended.	Do.
		The levelling of the bakery compound and a system of drainage to carry off the washing of the bakery.	950	There is no drainage-water lodges, and for sanitary purposes it is necessary that the ground should be levelled and a proper system of drains laid down.	Do.	When funds are available.

GENERAL.
ACCOUNT.

Govt. of {1883} Madras.

PUBLIC WORKS.

Dated December, 19th.

Read.

Encl.

G.O., 19th Dec. 1883, No. 3644 W.

DECEMBER.

Military Works Budget Estimate for 1884-85

The Preliminary Issue of the — circulated with remarks.

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. 1963 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

From Brigadier-General R. C. STEWART, Quartermaster-General, to the Chief Engineer and Secretary to Government, Public Works Department, dated Fort St. George, 12th December 1883, No. 8892.

Having submitted to the Commander-in-Chief your letter, No. 2233 C., dated 16th November 1883, I am desired to return the statement which accompanied it, and to offer the following observations.

2. The proposed grants shown in the statement in question leave unprovided for the following works in class "B" (of this office letter, No. 7336, dated 22nd October 1883), all of which His Excellency considered to be of more or less urgency, requiring to be provided for in the approaching year :—

	Rs.
Item No. 7.—Accommodation for a native infantry regiment, Bangalore	16,610
Item No. 10.—Drainage, barracks, Bellary	3,000
„ No. 11.—Armourer's shop, Light Cavalry, Bellary	2,695
„ No. 12.— Do. do. Vellore	2,900
„ No. 14.—Accommodation, third native infantry regiment, Trichinopoly	14,280

3. Of these items, Nos. 10, 11 and 12, aggregating Rs. 8,595, might apparently be provided for out of a sum of Rs. 10,000 by which the balance of the estimate for the coast batteries, Madras, to be included in next year's allotments, should now be reduced from Rs. 20,000, as in statement, to Rs. 10,000 only, in consequence of the recent transfer in the current year of Rs. 10,000 to that work from the work of mounting ordnance, Fort St. George.

4. His Excellency the Commander-in-Chief is aware that by this diversion of funds the full allotment of Rs. 40,000, in the coming year, to the work of mounting ordnance, Fort St. George, will be interfered with; but being of opinion that a fair proportion of the whole grant should be devoted to works of comparatively small cost, say, under Rs. 5,000, which otherwise have to be postponed from year to year (the particular works now in question are examples), he would prefer the unfeated re-distribution of the sum mentioned in the coming year, leaving a portion of the work connected with mounting ordnance, Fort St. George, to be carried out in 1885-86.

5. Of the other two items, No. 14 may be removed from the list of works of immediate urgency, if the proposals made by His Excellency for the abolition of Poonamallee as a convalescent depôt are approved by Government, in which case the third regiment now destined for Trichinopoly would be sent to Poonamallee, where there would be ample public buildings for it.

6. Even so item No. 7 will remain to be provided for, and to meet this, Sir Frederick Roberts would urge the necessity of application being made to the Government of India for a special grant of funds, on the grounds that it is demanded by the unforeseen return to the Presidency of a regiment serving in Bengal. This regiment, wherever sent, would have to be provided with public buildings, and, in the opinion of His Excellency, it is undesirable any delay should be allowed to take place in meeting this present demand because before long the return of another regiment to the Presidency will involve similar provision having to be made elsewhere for a second regiment.

Order—dated 19th December 1883, No. 3644 W., Public Works.

In the Resolution read above the Government of India have provisionally fixed the Military grant of this Presidency for 1884-85 at Rs. 6,50,000, and have left the allotment of the grants to individual works to be fixed by the Local Government in communication with the local Military authorities.

2. The distribution of the grant under departmental heads is as follows :—

		Rs.
Original	Major Works	2,23,680
	Minor Works	22,320
Repairs		2,75,000
Establishment		1,21,200
Tools and Plant		7,800
	Total ...	6,50,000

3. The allotment of the major works grant to works has received the approval of His Excellency the Commander-in-Chief; and the minor works and repairs allotments will be held at the disposal of Government, to be appropriated as may seem desirable early next year.

4. Plans and estimates for works entered under class B should be submitted by Superintending Engineers for sanction as early as practicable. Estimates for these and other works entered under class C have already been called for in G.O., No. 3002 W., of the 24th October 1883.

5. The works under class B are all considered of great urgency by His Excellency the Commander-in-Chief; and with the view of fully utilizing the grants assigned, estimates for such as have not yet been sanctioned should be prepared and forwarded without delay.

6. The Government of India will be addressed separately regarding the special grant required by His Excellency the Commander-in-Chief for the accommodation of a regiment of native infantry at Bangalore.

7. With these remarks, the Preliminary Issue of the Military Works Budget Estimate for 1884-85 is circulated for the information and guidance of the officers of the Public Works Department, and four copies will be forwarded to the Government of India as usual.

(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. E. Fernandez.
Spare Copies

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

EAD—the following papers:—

From the Superintending	Engineer,	First	Circle,	dated	2nd October 1883.
Do.	do.	Second	„	„	6th „ „
Do.	do.	Third	„	„	4th and 18th October 1883.
Do.	do.	Fourth	„	„	11th September 1883.
Do.	do.	„	„	„	25th October 1883, No. 468.
Do.	do.	Fifth	„	„	15th „ „ „ 2555.
Do.	do.	„	„	„	2nd November „ „ 2758.
Do.	do.	„	„	„	9th „ „
Do.	do.	Sixth	„	„	15th October „
Do.	do.	„	„	„	27th „ „ „ 1511 T.J.

Office note from the Examiner of Public Works Accounts, dated 13th November 1883, No. 848.

Extract from the Proceedings of the Government of India, Military Department, dated Simla, 1st November 1883, No. 1091 M.W.

Distribution of the Imperial Grant for Military Works for 1884-85.

Resolution—

The following is the provisional distribution of the grant for 1884-85 :—

	Rs.
Reserved with Government of India	3,00,000
Military Works Department	60,00,000
Bombay	12,50,000
Madras	6,50,000
Hyderabad	2,25,000
Central India	2,25,000
British Burma	3,25,000
Punjab	2,50,000
Rajputana	1,50,000
Central Provinces	1,75,000
Assam	2,50,000
Bengal	85,000
North-Western Provinces and Oudh	1,15,000

These grants include provision for any expenditure that may be incurred in England on stores for works classed as Military.

2. The Government of India leave it to the Local Governments and Administrations and the Inspector-General of Military Works, in communication with the local Military authorities respectively concerned, to allot the above grants to individual works as may appear most desirable.

3. The preliminary budget estimates should be prepared for the amounts now provisionally sanctioned, and should be submitted so as to reach the Government of India punctually by the 15th January 1884.

(Signed) G. CHESNEY,
Secy. to the Govt. of India.

(1) Number of pages 196

(2) Date of repair 8-87

(3) Initials of the Referencer

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

PW DEPARTMENT

G.O. No. / B.P. No.	3644-W 3648-W	Press. / Mis.	
Dated	19-12-1883		~~198~~ .

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Schedule of the probable requirements of the Madras Presidency on account of Imperial Works for 1884-85—*cont.*

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Class.	Original Works. Major Works. Works in progress.	New Works.	Total.	Minor Works.	Total.	Repairs.	Establishment.	Tools and Plant.	Suspense.	Grand Total.	Remarks.
				Imperial, Ordinary *cont.*		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
				Military—cont.												
Accommodation for troops—Buildings for native troops—*cont.*	Coimbatore.	Quilon ..	30	Magazine for Native Infantry barracks.	B.	..	3,560	3,560	..	..	..	..	..	..	..	Estimate awaited.
	Do. ..	Do. ..	31	Store-room for do. ..	B.	..	5,000	5,000	..	..	..	..	..	..	..	Do.
	North Arcot	Vellore ..	32	Armourers' shop for a regiment of Native Infantry.	A.	1,980	..	1,980	..	..	..	..	..	..	..	Estimate for Rs. 2,800 sanctioned in G.O., No. 1547 W., of 20th June 1881.
	Vizagapatam	Vizianagram.	33	Regimental store-room, to be included as storage for Camp Equipage.	B.	..	5,000	5,000	..	..	..	..	..	..	..	Estimate awaited.
Ordnance Works.	Presidency.	Fort St. George.	34	Mounting ordnance ..	A.	32,000	..	32,000	..	..	..	..	..	..	..	Estimate of Rs. 42,035 sanctioned in G.O., No. 2970 W., of 19th October 1883. Item No. 2, Class B Works, Budget of 1883-84.
	Do. ..	Madras ..	35	Completing the emplacements and improving the store-rooms, &c., of the coast batteries.	A.	22,300	..	22,300	..	..	..	..	..	..	..	Estimate of Rs. 42,320 sanctioned in G.O., No. 1691 W., of 13th June 1883. Item No. 34, Appendix B, Budget of 1883-84.
	Do. ..	Do. ..	36	Improvements to the gunpowder factory. Further estimates required— Glazing and dusting house, one group. Incorporating mills, one group. Drying-house. Pebble cutting house. Granulating house to be converted into a pebble cutting machine house.	A.	20,000	..	20,000	..	..	..	..	..	..	..	The last sanction brought up the total sanctions to Rs. 2,26,655. G.O., No. 2748 W., of 1st October 1883. Item No. 4, Class A Works, Budget of 1883-84. Further estimates are awaited.
Commissariat Buildings.	Do. ..	Do. ..	37	New additional compound wall. Two bridges. Improvements to the wheel shop of the gun carriage factory.	B	..	4,000	4,000	..	..	..	..	..	..	..	Estimate awaited.
	Presidency.	Guindy ..	38	Converting the late Superintending Engineer's office at Guindy into a Commissariat slaughter-house.	B	..	11,800	11,800	..	..	..	..	..	..	..	Estimate for Rs. 11,800 sanctioned in G.O., No. 1399 W., of 12th May 1883. Item No. 43, Appendix B, Budget of 1883-84.
	Do. ..	Madras ..	39	Quarters for station butcher.	B	..	4,740	4,740	..	..	..	..	..	..	..	Estimate awaited. Item No. 44, Appendix B, Budget of 1883-84.
	Do. ..	Do. ..	40	Sheds for public cattle and lines for their attendants.	B	..	20,000	20,000	..	..	..	..	..	..	..	Estimate awaited.
	Do. ..	Do. ..	41	Quarters for three warrant and five non-commissioned officers of the Commissariat department.	A	..	26,740	26,740	..	..	..	..	..	..	..	Estimate of Rs. 26,740 sanctioned in G.O., No. 1836 W., of 2nd July 1883. Item No. 45, Appendix B, Budget of 1883-84.
	Nilgiri ..	Wellington.	42	Bakery at	A	..	10,000	10,000	..	..	..	..	..	..	..	Under consideration.
	Coimbatore.	Cannanore.	43	Converting the old artillery stables at Cannanore into a bakery and sinking a well.	A	2,660	..	2,660	..	..	..	..	..	..	..	Estimate of Rs. 7,660 sanctioned in G.O., No. 2213 W., of 10th August 1883. Item No. 41, Appendix B, Budget of 1883-84.
	Do. ..	Malapuram.	44	Quarters for Commissariat staff sergeants.	B	..	4,000	4,000	..	..	..	..	..	..	..	Estimate awaited.
Fortifications.	Presidency.	Bangalore.	45	Entrenchment as place of refuge including ordnance depôt. Rs. Fortifications .. 16,000 Ordnance buildings .. .. 14,900 Laboratory .. 1,380	A	..	32,780	32,780	..	..	..	..	..	..	..	Estimates aggregating Rs. 34,280 sanctioned in G.O., No. 3060 W., of 30th October 1883.
				Total ..		1,78,800	3,67,805	5,46,605	54,660	6,01,265	3,50,000	2,18,791	14,269	..	11,84,325	

Schedule of the probable requirements of the Madras Presidency on account of Imperial Works for 1884-85—*cont.*

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Class.	Original Works. Major Works. Works in progress.	Original Works. Major Works. New Works.	Original Works. Major Works. Total.	Original Works. Minor Works.	Original Works. Total.	Repairs.	Establishment.	Tools and Plant.	Suspense.	Grand Total.	Remarks.
				IMPERIAL, ORDINARY—*cont.*		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
				Military—cont.												
Accommodation for troops—Buildings for European troops in the plains—Permanent.	Presidency.	Bangalore..	8	Garrison gymnasium of the 4th class.	B	..	44,600	44,600	..	..	..	..	..	..	..	Estimate of Rs. 44,600 sanctioned in G.O., No. 1560, of 21st June 1876. Item No. 12, Appendix B, Budget of 1883-84.
	Do. ..	Do. ..	9	Quarters for senior apothecary, north station hospital.	B	..	4,830	4,830	..	..	..	..	..	..	..	Estimate awaited. Item No. 15, Appendix B, Budget of 1883-84.
	Bellary ..	Bellary ..	10	Three blocks of stables for Royal Artillery at	A	2,000	..	2,000	..	..	..	..	..	..	..	Estimate of Rs. 10,000 sanctioned in G.O., No. 2099 W., of 1st August 1883. Item No. 10, Appendix B, Budget of 1883-84.
	Do. .	Do. ..	11	Infectious disease ward of station hospital.	B	..	8,000	8,000	..	..	..	..	..	..	..	Estimate awaited. Item No. 8, Appendix B, Budget of 1883-84.
	Do. ..	Do. ..	12	Pipes and cisterns to supply water from the artesian well to British troops.	B	..	3,000	3,000	..	..	..	..	..	..	..	Estimate awaited.
	Do. ..	Do. ..	13	Completion of system of drainage of wash-houses.	B	..	3,000	3,000	..	..	..	..	..	..	..	Estimate awaited.
	Coimbatore.	Cannanore.	14	Plunge-bath for British Infantry.	B	..	4,690	4,690	..	..	..	..	..	..	..	Estimate of Rs. 4,690 sanctioned in G.O., No. 418, of 10th February 1876. Item No. 5, Appendix B, Budget of 1883-84.
	Do. ..	Malapuram.	15	Canteen for detachment British Infantry.	B	..	5,000	5,000	..	..	..	..	..	..	..	Estimate awaited. Item No. 3, Appendix B, Budget of 1883-84.
Do. do. in the hills—Permanent.	Nilgiri ..	Wellington.	16	Extending the 6-inches water main-pipe from the barrack square to the married quarters at	A	9,400	..	9,480	..	..	..	..	..	..	..	Estimate of Rs. 9,530 sanctioned in G.O., No. 198 W., of 18th January 1882. Item No. 23, Appendix B, Budget of 1883-84.
	Do. ..	Do. ..	17	Gymnasium at ..	B	..	15,000	15,000	..	..	..	..	..	..	..	Estimate awaited.
	Presidency.	Madras ..	18	New regimental school at the Perambúr lines.	B	..	2,500	2,500	..	..	..	..	..	..	..	Do.
	Do. ..	Do. ..	19	Two latrines for the regimental lines at Rávapuram.	B	..	3,000	3,000	..	..	..	..	..	..	..	Do.
	Chingleput.	Pallávaram.	20	One mortuary room for each of the three hospitals, Nos. 1 to 3.	B	..	3,000	3,000	..	..	..	..	..	..	..	Estimate awaited. Item No. 20, Appendix B, Budget of 1883-84.
	Do. ..	Do. ..	21	Regimental magazine on the standard plan.	B	...	4,500	4,500	..	..	..	..	..	..	..	Estimate awaited.
	North Arcot.	Vellore ..	22	School-house for a Native Infantry regiment.	B	..	5,000	5,000	..	..	..	..	..	..	..	Do.
	Presidency.	Bangalore.	23	Accommodation for regiment of Native Cavalry.	A	..	29,600	29,600	..	..	..	..	..	..	..	Estimate awaited. Item No. 24, Appendix B, Budget of 1883-84.
				Rs.												
				Place of arms and armourers' shop. 7,165												
				Infirmary .. 5,800												
				Magazine .. 2,750												
				Guard-room .. 3,510												
				School .. 1,715												
				Water-trough .. 510												
				Water-well .. 2,320												
				Drains, roads, &c. 5,800												
	Do. ..	Do. ..	24	Accommodation for one regiment of Native Infantry (less magazine).	A	..	14,610	14,610	..	..	..	..	..	..	..	Estimate awaited.
	Do. ..	Do. ..	25	Regimental latrines for Queen's Own Sappers and Miners.	A	3,960	..	3,960	..	..	..	..	..	..	..	Estimate awaited. Item No. 25, Appendix B, Budget of 1883-84.
	Trichinopoly.	Trichinopoly.	26	Accommodation for one regiment of Native Infantry.	A	..	17,200	17,200	..	..	..	..	..	..	..	Estimate awaited. Item No. 28, Appendix B, Budget of 1883-84.
				Rs.												
				Place of arms and guard-room .. 8,450												
				Cells 920												
				Store-room .. 2,200												
				School-room .. 2,650												
				Magazine .. 650												
				Armourers' shop. 2,330												
	Do. ..	Do. ..	27	Accommodation for a third regiment of Native Infantry as above.	A	..	17,200	17,200	..	..	..	..	..	..	..	Estimate awaited.
	Do. ..	Do. ..	28	Two latrines for Native Infantry regiment.	B	..	5,200	5,200	..	..	..	..	..	..	..	Estimate awaited. Item No. 33, Appendix B, Budget of 1883-84.
	Bellary ..	Bellary ..	29	Armourers' shop for a regiment of Native Cavalry.	B	..	2,695	2,695	..	..	..	..	..	..	..	Estimate awaited.