(1) Number of pages -126-

(2) Date of repair 16. 5. 87.

(3) Initials of the Referencer

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Public Works. DEPARTMENT

G.O. No. / B.P. No. 122. W

Press. / Mis.

Dated 12 - 1 - 1883. ~~198~~.

D.D.

Not to be folded or roughly handled.

12TH JANUARY 1883, No. 122 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

122 W.

PUBLIC WORKS DEPARTMENT.

General.
Account.

No. 121.

READ—the following papers :—

From the Superintending Engineer, First Circle, dated 19th October 1882, No. ——.
" " " Third " " 4th Sept. " " ——.
" " " " " " 4th Dec. " " 1566.
" " " Fourth " " 28th Sept. " " 412.
" " " " " " 2nd October " " 460.
" " " Fifth " " 2nd " " " ——.
" " " " " " 9th Dec. " " 3208.
" " " " " " 12th " " " 3247.
" " " Sixth " " 14th October " " ——.

No. 121-A.

Proceedings of the Government of India, Military Department, dated Simla, 6th November 1882, No. 1102 M.W.

Distribution of the Imperial Grant for Military Works for 1883-84.

Read—the following :—

Letter from the Secretary to Government of Madras, Public Works Department, No. 2591-W., dated 4th October 1882.

Letter from the Secretary to Government of Bombay, Public Works Department, No. 234-A.-1732, dated 23rd September 1882.

Letter from the Secretary to Government of Bengal, Public Works Department, No. 107-T.-A., dated 9th October 1882.

Letter from the Secretary to Government of North-Western Provinces and Oudh, Public Works Department, No. 3458-B.-R., dated 10th October 1882.

Letter from Secretary to Government of Punjab, Public Works Department, No. 1033-C., dated 10th October 1882.

Letter from Secretary to Chief Commissioner, Central Provinces, No. 7319, dated 7th October 1882.

Letter from Secretary to Chief Commissioner, British Burma, No. 7666, dated 28th September 1882.

Letter from Secretary to Chief Commissioner, Assam, No. 1925, dated 28th September 1882.

Letter from Secretary to Chief Commissioner, Coorg, No. 155-414, dated 25th September 1882.

Letter from Secretary to Resident, Hyderabad, No. 264-G.-A., dated 4th October 1882.

Letter from Secretary to Agent, Governor-General, Central India, No. 3812, dated 6th October 1882.

Letter from Secretary to Agent, Governor-General, Rajputana, No. 2555-S., dated 5th October 1882.

Letters from Inspector-General, Military Works, Nos. 5641 and 5883, dated 11th and 25th October 1882.

Resolution—

The following is an abstract of the demands for military works submitted by the several Local Governments and Administrations and the Military Works Department for 1883-84 compared with the corresponding Budget grants for 1882-83:—

	Demand, 1883-84.	Grant, 1882-83.
	RS.	RS.
Madras	19,16,608	6,20,000
Bombay	50,00,000	11,30,000
Bengal	4,69,100	2,32,000
North-Western Provinces and Oudh ...	7,350	18,520
Punjab	9,75,100	3,25,500
Central Provinces	7,61,000	3,72,000
British Burma	5,52,090	3,37,350
Assam	2,99,555	2,50,000
Coorg	...	5,000
Hyderabad	3,81,400	3,00,000
Central India	9,04,000	2,23,000
Rajputana	2,80,100	2,00,000
Biluchistan	10,40,000	3,60,000
Military Works Department	55,77,000	54,05,000
Reserve for unforeseen works	...	2,21,630
Total ...	1,81,63,303	1,00,00,000

2. The demands for 1883-84, it is observed, exceed the total Imperial Military Works Grant for 1882-83 by Rs. 81,63,303; but, as the annual grant for Military Works is fixed at a crore of rupees, the foregoing demands must be curtailed so as to come within that amount. After a careful consideration of the various requirements brought forward, the Government of India are pleased to sanction the following allotments for next year:—

	Provisional Grant, 1883-84.
	RS.
Madras	6,20,000
Bombay	11,00,000
Bengal	4,46,000
North-Western Provinces and Oudh	7,000
Punjab	3,00,000
Central Provinces	3,25,000
British Burma	3,00,000
Assam	2,19,000
Coorg	...
Hyderabad	2,42,000
Central India	2,10,000
Rajputana	1,73,000
Biluchistan	6,08,000
Military Works Department	54,50,000
Total ...	1,00,00,000

3. The Government of India leave it to Local Governments and Administrations and the Inspector-General of Military Works to distribute the allotments herein sanctioned to the best advantage in communication with the local military authorities concerned, due attention being paid to the following remarks, and preference being given to the works in progress. These grants include provision for any expenditure that may be incurred in England on stores for works classed as Military. The Budget Estimates should be prepared for the amounts now provisionally sanctioned, and submitted so as to reach the Government of India punctually on the 15th January 1883.

4. *Minor Works.*—The demands for Minor Works are abnormally high. On this point attention is invited to the ruling contained in Public Works Department Code, Chapter XV, paragraph 88, which limits the grant for Minor Works to $\frac{1}{10}$th of the provision for original works; and it is requested that this limit may be observed as far as possible in fixing these grants for next year.

5. *Repairs.*—In most cases the demand for repairs exceeds the amount sanctioned in Budget Orders for 1882-83. Provision for this charge should be made with due regard to actual requirements, based on the average annual expenditure of the past three years.

6. *Establishment.*—As laid down in Public Works Department Circular No. XX of 29th September 1881, the allotment for establishment in the case of the provinces to which the Provincial Service arrangements apply, except British Burma, should be calculated in the proportion of 23 per cent. on the outlay on works and repairs. For British Burma a special rate of 18 per cent. has been fixed at the request of the Chief Commissioner, while for Central India the debit to the Military Works grant for establishment should be at the rate of 25 per cent. of outlay or grant for works and repairs. The grant for the other provinces should be made with reference to requirements and to the average annual outlay for the last three years.

7. *Tools and Plant.*—The assignment for tools and plant for the provinces to which the Provincial Service arrangements are applicable should ordinarily be fixed at the rate of 1½ per cent. on the grant for works and repairs. The allotment for the other provinces is to be limited to annual average outlay, as in the case of repairs and establishment.

8. As Mercara, the only military station in Coorg, is to be abandoned on the 15th December 1882, no allotment is made for that province.

Order—

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

Ordered that this Resolution be communicated to the Local Governments and Administrations noted in the margin, and to the Inspector-General of Military Works for information and guidance.

Ordered also that copies be forwarded to the—
Quartermaster-General in India, for the information of His Excellency the Commander-in-Chief.
Finance Department, for information.
The Public Works Department, for information.
Accountant-General, Military Department, for information.
Accountant-General, Public Works Department, for information.

(Signed) W. G. CUMMING, Major, R.E.,
for Secretary to the Government of India.

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

No. 121-B.

From the Quartermaster-General, dated 21st December 1882, No. 10424.

No. 122.

ORDER—dated 12th January 1883, No. 121 W., Public Works.

In the Resolution above recorded the Government of India have assigned a grant of Rs. 6,20,000 for Military Works in this Presidency for 1883-84, the distribution of this grant being left to the Local Government.

2. The grants for "Establishment" and "Tools and Plant" are fixed ratably, while that for repairs cannot be reduced to a smaller sum than that assigned during

the current year. The grant for Minor Works has been calculated at about one-tenth of the grant for Major Works as laid down by the Government of India. The requisite provision having been made under these heads, there will remain a sum of only Rs. 1,99,580 for appropriation to Major Works.

The distribution will be as follows :—

	RS.
Major Works	1,99,580
Minor do.	22,207
Repairs	2,75,000
Establishment	1,15,761
Tools and Plant	7,452
Total ...	6,20,000

3. Of the grant of Rs. 1,99,580 for Major Works, Rs. 1,15,380 are required for incomplete works, leaving only Rs. 84,200 for new works. A contribution of Rs. 1,500, being 5 per cent. on revenue, has been taken in addition to the usual percentage for establishment in accordance with Government of India Circular* No. XX P.W., dated 29th September 1881.

* G.O., No. 365 W., dated 9th February 1882.

4. The grants for Minor Works and Repairs will be held at the disposal of Government and will be distributed on receipt of estimated requirements from Superintending Engineers, as directed in G.O., No. 405 W., of 14th February 1881.

5. The Superintending Engineers concerned will lose no time in submitting for the sanction of Government plans and estimates for those works for which provision of funds has been made for expenditure during 1883-84. The few works for which provision is made are of great urgency, and Superintending Engineers should endeavour to fully utilize the grants assigned.

6. With these remarks the Preliminary Issue of the Military Works Budget Estimate for 1883-84 is circulated for the information and guidance of the officers of the department, and four copies will be forwarded to the Government of India.

(Here enter No. 122 W., dated 12th January 1883.)

(True Extract.)

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

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

No. 123.

Endorsement—dated 12th January 1883, No. 122 W., Public Works.

Copy of the above with four copies of the Preliminary Issue of the Budget forwarded to the Government of India.

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

Exd. C. Howarth.
Spare Copies

GENERAL.
ACCOUNT.

Govt. of (1883) Madras.

PUBLIC WORKS.

Dated January, 12th.

Recd.

G.O., 12th Jan. 1883. No. 122 W.

JANUARY.
Nos. 121—123.

**Military Works Budget
Estimate.**

Passing orders on the Preliminary Issue of the — for 1883-84.

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GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

182
4

General.
Account.

121.

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122/5

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Accountant-General, Public Works Department, for information.

(Signed) W. G. CUMMING, Major, R.E.,
for Secretary to the Government of India.

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

No. 121-B.

From the Quartermaster-General, dated 21st December 1882, No. 10424.

No. 122.

ORDER—dated 12th January 1883, No. 121 W., Public Works.

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(Here enter No. 122 W., dated 12th January 1883.)

(True Extract.)

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

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

Exd. C. Howarth.
Spare Copies

12/6

GENERAL.
ACCOUNT.

Govt. of (1883) Madras.
PUBLIC WORKS.

Dated January, 12th.

Recd.

G.O., 12th Jan. 1883, No. 121 W.

JANUARY.
Nos. 121-122.

Military Works Budget Estimate.

Passing orders on the Preliminary Issue of the — for 1883-84.

Preliminary Issue

Imperial
Military Works

Madras

Public Works Department

P.W./7

Imperial Budget Estimates
of
Military Works
of the
Government of Madras.
for the year
1883-84

Chepauk
Jany 1883

By R. H. Sankey Col RE
Secretary to Government
P W Dept

Imperial
Military Works

Madras

122/8

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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 B. List of Class C Works —

Revenue

Abstract of the Budget Estimate of Revenue of the Public Works Department from Military Works in Madras from 1st April 1883 to 31st March 1884

—	Budget Estimate 1883-84	Regular Estimate 1882-83	Budget Estimate 1882-83	Actuals 1881-82
	R	R	R	R
In Public Works Department	30,000	30,000	30000	46,836
In Civil and Military Departments	"	"	"	"
Total	30000	30,000	30000	46,836

Charges

Abstract of the Budget Estimate of Expenditure of the Public Works Department of Military Works in Madras for the year from 1st April 1883 to 31st March 1884.

—		Reference to Details Estimate	Budget Estimate 1883-84	Regular Estimate 1882-83	Budget Estimate 1882-83	Actuals 1881-82
Original Works	In Progress		115,380	294,397	60,361	115,574
	Not Commenced		106,407		162,103	
Repairs	Ordinary		275,000	273,067	275,000	269,097
	Special		"		"	
Establishment			115,761	115,126	115,126	96,161
Tools and Plant			7,452	7,410	7410	9,603
Suspense Accounts			"	"	"	"
Total			620,000	690,000	620,000	490,435

Note. The difference between the Budget and Regular Estimate for 1882-83 under original works is due chiefly to the supplemental grant

---

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

129/10

Budget Estimate 1883-84

	Original Works: In progress	Original Works: Not commenced	Original Works: Total	Repairs	Establishment	Tools & Plant	Suspense Account	Barrack Department	Total	Regular Estimate 1882-83	Budget Estimate 1882-83	Actuals 1881-82
Provision from Imperial Funds												
In India	115,380	106,407	221,787	275,000	115,761	7452	"	"	620,000	690,000	620,000	490,435
In England	"	"	"	"	"	"	"	"	"	"	"	"
Total	115,380	106,407	221,787	275,000	115,761	7452	"	"	620,000	690,000	620,000	490,435
Provision from Contributions												
In India	"	"	"	"	"	"	"	"	"	"	"	"
Grand Total	115,380	106,407	221,787	275,000	115,761	7452	"	"	620,000	690,000	620,000	490,435

Statement showing the works on which the outlay in England above provided for is to be incurred.

Budget Estimate 1883-84

Original Works: In progress	Original Works: Not commenced	Total	Tools & Plant	Suspense Acct	Total	Regular Estimate 1882-83	Budget Estimate 1882-83	Actuals 1881-82

Nil

Imperial Military Works

Madras

Part I

Detail of the Budget Estimate for Original Works for the year 1883-84

Class A Works

19/11

Heads of Classification	Executive Division	Locality	Item No	Projects and Works	Amount of Estimate	Outlay: Actual to end of 1881-82	Outlay: Probable during 1882-83	Grant 1883-84 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 and References
				Imperial Ordinary Military Original Works														
(1) Accommodation for troops— Buildings for European troops in the plains— Permanent.	Chingleput	Poonamallee	1	Barracks for European troops at Poonamallee	270506	22104	28835	"	"	"	20000	"	20000	20000	"	20000	1	Sanctioned by the Govt of India Register No 38 M.W. of 1878-79. G.O. No 465 W of 19 Feby/79 Item No 1 of Class A Works of Budget of 1882-83
				New double-storied barracks for 200 men with out-houses	166885													
				New quarters for thirty families with out-houses	82300													
				Do for Apothecary	7150	22104	28835											
				Alterations to existing buildings and demolition	18476													
					274811													
				Deduct value of old materials	4305													
					270506													
	Do	St Thomas Mount	2	New Barrack for Royal Artillery	127750	17672	21834	"	"	"	20000	-	20000	20000	"	20000	2	G.O. No 1894 W of 25 Aug/82 Item No 2 of Class A Works of Budget of 1882-83
	Coimbatore	Mallapuram	3	Barracks for detachment British Infantry to accommodate 100 men	90830	-	21568	"	"	"	20000	-	20000	20000	-	20000	3	G.O. No 1840 W of 18 Aug/82 Item No 3 of Class A Works of Budget of 1882-83
				Carried over				"	"	"	60000	-	60000	60000	-	60000		

Detail of the Budget Estimate for Part I Original Works for the year 1883-84

Class A Works (Contd)

Heads of Classification	Executive Division	Locality	Item No.	Projects & Works	Amount of Estimate	Outlay Actual to end of 1881-82	Outlay Probable during 1882-83	Grant 1883/84 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	Item No.	Remarks and References
				Brought forward Imperial Ordinary Contd Military Contd Original Works Contd	„	„		„	„	„	60000	„	60000	60000	„	60000		
(1) Accommodation for troops. Buildings for European troops in the plains.	Bellary	Bellary	4	Constructing stables for one Field Battery	„	„	2,500	„	„	„	20000	„	20000	20000	„	20000	4	Estimate awaited. Item No 6 of Class A Works of Budget of 1882-83
Permanent. Contd	Presidency	Fort St George	5	A covered Gymnasium to be erected in the Ball Alley of the European Regiment	„	„	2580	„	„	„	5000		5000	5000	„	5000	5	Estimate awaited. Item No 7 of Class A Works of Budget of 1882-83
	Nilgiri	Wellington	6	New wash houses fitted with boilers drying and iron rooms for the married quarters	„	„	[illegible]	„	„	„	2880	„	2880	2880	„	2880	6	Estimate awaited. Item No 10 of Class A Works of Budget of 1882-83
	Do.	Wellington Do.	7	Housing for half a Company of Queen's Own Sappers & Miners	„	„	[illegible]	„	„	„	7500	„	7500	7500	„	7500	7	Estimate awaited. Vide letter to Govt of India No 1956 W of 2 Sept/82
				Carried over				„	„	„	95380	„	95380	95380	„	95380		

Class A. Works (continued)

13

			Brought forward	"	"		"	"	95380	-	95380	95380	-	95380		
			Imperial Ordinary Works													
			Military Works													
			Original Works Contd													
(2) Ordnance works	Presidency Madras	8	Improvements to the Gun Powder Factory	224105	183879	20	—	"	20000	-	20000	20000	-	20000	8	Estimate of Rs 224105 sanctioned in G.O. No 2740 of 31st Oct 1879, No 428 W of 17 July 80, No 2489 W of 16 Oct 1880 No 2813 W of 12 June 81, No 425 W of 10 July 81, No 1399 W of 5 June 82, and No 2274 W of 12 Decr 82. Further estimates awaited. Item No 16 Class A Works of Budget of 1882-83
	[illegible] Madras		Composition mills one group viz 1 Charcoal Pulverizing room 1 Sulphur do 1 House for 8 H.P. Engine with two boilers 1 Tank	24,800												
			Glazing and dusting houses one group viz 1 Glazing house 1 Dusting do 1 House for 12 H.P. engine and two boilers 1 Watch house 1 Expense Magazine													
			Carried over				"	"	115380	-	115380	115380	-	115380		

	Brought forward	-	-	115,380	-	115,380	115,380	-	115,380
	Imperial Ordinary Conts								
	Military Conts								
	Original Works Conts								
12 (12) Ordnance Works Conts	Improvements to the Gun Powder Factory Cont								
	Glazing & dusting house one group Conts viz 1 Tank Complete with traverses, tramways roads &c.								
	Incorporating Mills one group No 3 viz. 6 Mill rooms 1 house for 25 H.P Engine with two boilers 1 Green Charge Deposit magazine 2 watch houses 1 Tank Complete with tramway and roads								
	Carried over	-	-	115,380	-	115,380	115,380	-	115,380

		Brought forward	115,380	115,380	115,380	115,380
		Imperial Ordinary Works				
		Military Works				
		Original Works				
12	21 Ordnance Works	Improvements to the Gun Powder Factory. Works				
		1 Master Worker's house 1 Master Refiner's do				
		1 Drying house				
		Pebble-Cutting house				
		1 Granulating house to be converted into a Pebble-Cutting Machine house				
		Two additional Compound walls				
		2 Bridges				
		Total	115,380	115,380	115,380	115,380

Class B Works

Imperial Ordinary
Military
Original Works

11 Accommodation for [illegible] troops. Buildings for European troops in the plains Permanent	[illegible]	1	Stables for horses for two Field Batteries	-	-	-	-	14000	14000	-	14000	14000	1 Estimate awaited. Item No 1 Class C Works of Budget of 1882-83
Do	Do	2	Raising main walls &c of the East & West barrack rooms of Troops lines	4200	-	-	-	4000	4000	-	4000	4000	2 G.O. No 3137 W of 17 Dec 1881.
	Presidency Range [illegible]	3	Alterations and additions to wash houses for the British Infantry	1500	-	-	-	8000	8000	-	8000	8000	3 G.O. No 1107 W of 7 May 1880. Item No 8 Class C Works of Budget of 1882-83
Do	Do	4	Public Building for Cavalry Regiment	-	-	-	-	15000	15000	-	15000	15000	4 Estimates ~~awaited~~ under consideration
Do	Do	5	Stables for three Batteries R.H.A. & Field Batteries	-	-	-	-	14000	14000	-	14000	14000	5 Estimate of Rs 4500 sanctioned in G.O. No 1484 W of 24 June 1882. Further Estimate awaited. Item No 11 Class C Works of Budget of 1882-83
			Carried over	-	-	-	-	55000	55000	-	55000	55000	

			Brought forward Imperial Ordinary — Contd Military — Contd Original Works — Contd	„	„	„	-	55000	55000	„	55000	55000		
(1) Accommodation for Native Buildings for Native Troops	[illegible] Bangalore	6	Constructing two latrines for the Queen's Own Sappers & Miners	„	„	„	„	3800	3800	-	3800	3800	6	Estimate awaited
	Bellary Bellary	7	Armourers Shop for the 26th Native Cavalry	„	„	„	„	2700	2700	-	2700	2700	7	G.O. No. 2266 W. of 14 Septr/81. Item No 17 Class C Works of Budget of 1882-83
	[illegible] Vellore Arcot	8	Armourers Shop for the Native Infantry Regiments	„	„	„	-	2800	2800	-	2800	2800	8	G.O. 1547 W of 30 June 1881 Item No 15 of Class A Works of Budget 1882-83
(2) Ordnance Works	[illegible]	9	Renewing a portion of the terrace roof of the Armoury of the Grand Arsenal	„	„	„	-	4900	4900	.	4900	4900	9	G.O. No. 2227 W. of 30 August 1882
			Carried over	„	„	„	„	69200	69200	-	69200	69200		

Class B. Works (Continued)

18

			Brought forward Imperial Ordinary. Cont. Military. Cont. Original Works. Cont.	"	"	"	"	"	"	69200	69200	-	69200 69200
(1) Ordnance Works - cont.	Presi-dency	Fort St. George	10 Mounting Ordnance	"	"	"	"	"	"	10000	10000	-	10000 10000 10 Estimate awaited
(13) Commissariat Buildings	Comba Conna - nore	11	Constructing a Bakery	"		"	"	"		5000	5000	-	5000 5000 11 Estimate awaited
			12 Minor Works	"	"	22207	22207	-					22207 22207 12
			Total			22207	22207	-		84200	84200	-	106407 106407

19

Imperial
Military Works

Appendix B

Madras

List of Works (or Class C Works) omitted from the Budget Estimates of 1883-84, but on which Expenditure may be incurred during the year by Re-appropriation from Class B Works

19

Imperial Ordinary
Military
Original Works.

(1) Accommodation for troops — Buildings for European troops in the plains Permanent	Chingleput	St Thomas Mount	1	Plunge Bath for Royal Artillery			1	Estimate awaited
	Do	Do	2	Coffee shops three in number one for each North, South and the New Artillery Barracks			2	Do
	Coimbatore	Malapuram	3	Canteen for Detachment British Infantry			3	Do
	Do	Do	4	Gymnasium for Do			4	Do
	Do	Cannanore	5	Plunge bath for Do	4690		5	G.O. No 418 of 10 July 1876
	Do	Do	6	Improving latrines of the British Infantry	2780	7	6	G.O. No 1056 of 4 April 1877
	Do	Do	7	Boarded floors to the hospital of Do	5570		7	~~Estimate awaited~~ G.O. No 3335 W of 16th Dec 1882

Imperial Ordinary contd

Military contd

Original Works contd

Accommodation for troops Buildings for European troops in the plains. Permanent.	Bellary	Bellary	8	Infectious ward of station hospital	„	„	
	Do	Do	9	New gun shed with collar makers and wheelwright shop combined for the Royal Artillery	„	„	
	Presidency	Bangalore	10	Garrison Gymnasium of the Fourth Class	44,600 ✓	1788 „	„
	Do	Do	11	Quarters for school master & school mistress of the British Infantry.	6170 ✓	„	
	Do	Do	12	Converting some of the married quarters for three staff sergeant quarters	2930 ✓	„	

„	„	„	„	„	„	„	„	„	8	Estimate awaited
„	„	„		„	„	„	„	„	9	Do
„	„	„	„	„	„	„	„	„	10	G O No 1560 of 21 June 1876.
„	„	„	„	„	„	„	„	„	11	G O No 3066 W of 2 Dec 1879 ✓
„	„	„	„	„	„	„	„	„	12	G O No ~~1481 W~~ 3066 W of ~~24~~ 2 Dec 1879 ~~Jan 1882~~ Estimates for other works awaited

Imperial Ordinary. Contd

Military. Contd.

Original Works. Contd

(1) Accommodation for troops. Buildings for European troops in the plains. Permanent.	Presidency	Bangalore	13	Quarters for the Apothecary with station hospital including stables, godown &c	-	-	-	-	-	-	-	-	-	-	-	13	Estimate awaited
	Do	Do.	14	Quarters for an Asst. Apothecary with station hospital	-	-	-	-	-	-	-	-	-	-	-	14	Do
	Nilgiri	Wellington	15	Drainage pipe for the remaining blocks the same as No 5 block	-	-	-	-	-	-	-	-	-	-	-	15	Do
	Do	Do	16	New flooring to latrines of barracks and family quarters.	-	-	-	-	-	-	-	-	-	-	-	16	Do
	Do	Do	17	Bath room to wash-houses	3120	-	-	-	-	-	-	-	-	-	-	17	Do No 1672 W 9th June /72
Buildings for European troops in the hills. Permanent.	Do	Do	18	Constructing a Female hospital at the Wellington Depot	-	-	-	-	-	-	-	-	-	-		18	Estimate awaited

98

Imperial Ordinary. Contd.

Military. contd

Original works - Contd

(1) Accommodation for Troops. Building for European troops on the hills. Permanent	Nilgiri Ootacamund	19	Boys hospital at the Lawrence Asylum	30550	19	G.O. No. 3181 W of 12th Decr. 1882. ~~Estimate awaited Vide letter to the Govt. of India No. 1956 W. of 2 Augt 1882~~
Buildings for Native troops	Presidency Bangalore	20	Addition to Regimental School, Sappers and Miners	3,500	20	G.O. No. 2155 W. of 31st Augt 1882.
Do	Do	21	Additional married quarters for European Non-Commissioned Officers Lascars &c Sappers & Miners	5240	21	G.O. No. 1518 W. of 17 June 1882.
	Trichinopoly Trichinopoly	22	Public Buildings for Native Infantry Regiment		22	Estimate awaited
	Chingleput Pallavaram	23	One dining room for each of the four hospitals No. 1 to 4		23	Do

Imperial Ordinary contd
Military contd
Original Works contd

(1) Accommodation for Troops	Chingle-put	Palla-varam	24	New lines for one Native Infantry Regiment		24	Estimate awaited
Buildings for Native Troops	Ganjam	Berham-pore	25	Armourers shop		25	Do
	Trichin-opoly	Trichin-opoly	26	Family quarters enlarged for the 30 Regt N. I.		26	Do
	Do	Do	27	Four latrines for do		27	Do
(2) Ordnance Works	Presi-dency	Madras	28	Improvements to the barrel machine shop at the Gun Carriage Factory	4,030	28	G.O. No 2473 W 9th Sept/82
	Do	Bangalore	29	Ordnance Buildings		29	Estimate awaited
	Bellary	Bellary	30	Repairing Fort		30	Do

Imperial Ordinary - Contd

Military - Contd

Original Works - Contd

(3) Commissariat Buildings	Bellary	Bellary	31	Slaughter house and hanging shed for meat	"		"	"	"	"	"	"	"	"	"	31	Estimate awaited
	Presidency	Madras	32	Sheds for the public Cattle and lines for their attendants	"	"	"	"	"	"	"	"	"	"		32	Do
	Coimbatore	Malapuram	33	Quarters for a Commissariat staff Sergeant	"		"	"	"	"	"	"	"	"	"	33	Do
	Presidency	Madras	34	New slaughter house	"	"	"	"	"	"	"	"	"	"	"	34	Do
	Do	Do	35	Quarters for Station Butchers	"	"	"	"	"	"	"	"	"	"	"	35	Do
	Do	Do	36	Quarters for the Warrant and Non-Commissioned Officers	"		"	"	"	"	"	"	"	"	"	36	Do
(7) General Cantonment Works	Nilgiri	Wellington	37	Water supply Improvements	"	"	"	"	"	"	"	"	"		"	37	Do

To be numbered

1st Circle.

Statement shewing the amounts of the estimated requirements, in lump sums to be provided in the Imperial Budget estimate Military works for the year 1883-84 - Prepared vide G.O No. 405 W. of 14/2/81.

Divisions	Minor Works				Repairs				Tools & Plant	Remarks.
	Military Normal	Civil Buildings.	Communications	Miscellaneous Public Improvements.	Military Normal.	Civil Buildings.	Communications	Mis: Pub: Improvts		
Ganjam Division	2500	-	-	-	2500	-	-	-	-	
Vizagapatam Do	1000	-	-	-	5000	-	-	-	-	
Godavari Eastern Do	-	-	-	-	500	-	-	-	-	
Do Western Do	-	-	-	-	-	-	-	-	-	
Total	3500	-	-	-	8,000	-	-	-	-	

Note - There are no Major Original works under the head "Military" in this Circle.

Supg Engr's Office 1st Circle
Dowlaishweram
19th October 1882

C. Stewart
Offg Supg Engr 1st Circle

compd by
D.S.

Imperial
Buildings & Roads.

3rd Circle

Budget Estimate for 1883-84.

Abstract

	Estimate 1883-84		Estimate 1882-83	
	Amount	Total	Amount	Total
Military				
Original Works	57,076		37,274	
Repairs	28,000		28,000	
Total Military		87,076		65,274
Other Services				
Civil Buildings Repairs	800		700	
Total Civil Buildings		800		700

Imperial
Buildings & Roads

3rd Circle
1/2
H

Part I

Detail of the Budget Estimate of Original Works, Imperial Buildings & Roads for the year 1883–84.

Head of classification	Executive Division	Locality	Item No.	Projects and Works	Amount of Estimate	Outlay Actual to end of 1881–82	Outlay Probable during 1882–83	Grant 1883–84	Remarks and References.
				Imperial Military Ordinary Original Military Works.					
Accommodation for Troops. Buildings for European Troops in the plains, permanent.	Bellary	Bellary	1	Constructing stables for one Field Battery	37.413	"	1.000	36.413	Estimate has been sent to the Military authorities – Item No. 6 class A. works of 1882–83 Budget. 21,500
Do	Do	Do	2	New pattern punkahs for British Infantry Barracks	5.000	"	3.242	1.758	G. O. No. 427. W of 11-2-79 Item No. 8 class A works of 1882–83, Budget. 3242
Commissariat Buildings	Do	Do	3	Slaughter House & hanging shed for meat.	7.210	"	"	7.210	Estimate has been sent to the Military authorities. Item No. 18. class. A. Works of 1882–83. Budget. 7210
Buildings for Native Troops.	Do	Do	4	Armourer's shop for the Native Cavalry (Standard plan) –	2.695	"	"	2.695	G. O. No. 2266. W of 14th Sept./81 Item No. 17 of appendix to 1882–83, Budget. Class B
	Do	Do	5	Infection Ward to the Station Hospital	Approximate 5.000	"	"	5.000	Recommended by the Brigadier General Commanding Ceded Districts.
								53.076	

Head of Classification	Executive Division	Locality	Item No.	Projects and Works	Amount of Estimate	Outlay Actual to end of 1881—82	Outlay Probable during 1882—83.	Grant 1883—84	Remarks and References
								53,076	
	Bellary	Bellary		New pattern punkahs for Station Hospital —— Rs 1,125					Recommended by the Brigadier General Commanding Ceded Districts
				New Pharmacy for the Native Cavalry —— 732					
				Latrine for the 27th Regiment Native Infantry —— 1,500					
				Two small cook rooms for Native Infantry Hospital —— 1,200					
				School room for 27th Regiment Native Infantry —— 1,000					
				For unforeseen demands —— 443				6,000	
					Total Military ——			59,076.	

Imperial
Buildings & Roads

Part. II

Budget Estimate for Repairs, Imperial Buildings & Roads for the year 1883–84.

Head of classification	Division	District	Items	Estimate 1883–84 Amount	Estimate 1883–84 Total	Estimate 1882–83 Amount	Estimate 1882–83 Total
			Imperial Ordinary Military Repairs.				
Military	Bellary	Bellary	Annual Repairs	28,000		28,000	
			Total Military		28,000		28,000
			Other Services Civil Buildings Repairs				
Postal	Bellary	Bellary	Annual Repairs	200		100	
	Cuddapah	Cuddapah	Do.	100		100	
	Kurnool	Kurnool	Do.	100		100	
					400		300
Telegraph	Bellary	Bellary	Do.	300		300	
	Kurnool	Kurnool	Do.	100		100	
					400		400
			Total Civil Buildings		800		700

Major. R.E.
Superintending Engineer
III Circle

Supdg: Engr's Office, III Circle
Bellary. 4th September 1882.

[illegible] No. 7

From,

The Superintending Engineer
III Circle

To,

The Chief Engineer
P. W. Department
Madras.

Dated – 4th } 5/12th/82
Received } 1882.

__Military__

Budget Estimate for
1883 – 84.

B

No. 1566

Suprg: Engr's Office 3rd Circ

Camp Chintakunta 4th Decr/82

From Major J. Pennycuick. R.E
& Superintending Engineer
III Circle

To The Chief Engineer
P.W.D.

Sir,

With reference to G.O. No. 2985 W of 13th ultimo, I have the honour to state that assuming the rate of Rs 140 per horse to be correct the amount required for the battery at Bellary will be approximately Rs 17,000.

2. I must however not be understood as accepting the correctness of the above rate in the absence of a plan or of any information as to how it has been arrived at.

I have the honour to be
Sir
Your most obedt servant

Major R.E
Suprg: Engineer 3rd Circle

7 R
140
110
15400

From,
Major J. Pennycuick R.E.
Supdg: Engineer
III Circle.

To,
The Chief Engineer
P. W. Depart.
Madras.

Camp Chintakunta
Dated. 4th } December 1882.
Recd }

No. 1566.

Battery at Bellary: —
Stating the approximate amount
Rs. 17000 will be required
for the ⸺.

No. 412

II/31/1

Imperial
Military works

Fourth Circle

Public Works Depart.
Imperial Budget Estimate
of
Military Works
for the year
1883-84

Lt Colonel R.E.
Supdg: Engineer IV Circle

Coimbatore }
28th September/82 }

II/2

B2

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Abstract of the Budget Estimate of Charges	1
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— " — II — Do — Do — for Repairs	10
— " — III — Do — Do — for Establishment	11
— " — IV — Do — Do — for Tools & Plant	11

Imperial
Military Works

Charges

Fourth Circle
II/3

Abstract of the Budget Estimate of expenditure on Military works for the year from 1st April 1883 to 31st March 1884 B

	Reference to detailed estimate	Budget Estimate 1883-84	Budget Estimate 1882-83	Regular Estimate 1882-83
Military				
Original works	2-9	1,68,993	1,25,833	45,070
Repairs	10	47,500	45,800	45,800
Establishment	11	54,123	48,508	22,717
Tools and Plant	11	3,247	2,910	1,363
Total Military		2,73,863	2,23,051	1,14,950

Imperial
Military works

Part I

Fourth Circle

Detail of the Budget Estimate of Original Works for the year 1883-84

Head of classification	Executive Division	Locality	Item No.	Projects & works	Amount of Estimate	Outlay: Actual to end of 1881-82	Outlay: Probable during 1882-83	Grant 1883-84: Normal	Grant 1883-84: special	Item No.	Remarks & References
				Imperial Ordinary Military Original works							
(1) Accommodation for troops Buildings for European Troops in the plains Permanent	Coimbatore	Malleapuram	1	Constructing Barracks for a detachment of British Infantry	90,830	-	5,568		50,000	1	G.O. No. 1840 W of 18th July 1882 2500
		Cannanore	2	Improvements to the Latrines of European Barracks	2,780	7	-	2773	-	2	G.O. No. 1056 W of 4th April 1879
		Do.	3	Plunge Bath for the British Infantry	4,640	..	..	..	4,640	3	Item No. 5 in the Final Issue of the Budget of 1882-83 Class B G.O. No. 418 of 16th February /76
		Do.	4	Two additional Staff Sergeants Quarters for European Infantry Regiment	6,260	-	-	-	6,260	4	Estimate submitted to the Chief Engineer P. W. D. with S. E's No. 129 of 10th March 1880 and held in obeyance under G.O. No. 100 fw dated 23rd April 1880
Buildings for European troops in the Hills Permanent	Nilgiri	Wellington	5	Supplying Cooking stoves to each married quarters	8,020				8,000	5	Item No. 9 of Budget of 1882-83 Estimate ready
				Carried over	-	-	-	2,773	68,900	-	

Fourth Circle

11/5

Imperial
Military works

Part I (Continued)

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

85

Head of classification	Executive Division	Locality	Item No	Projects & works	Amount of Estimate	Outlay actual to end of 1881-82	Outlay Probable during 1882-83	Grant 1882-83 Normal	Grant 1882-83 Special	Item No	Remarks & Reference
				Brought forward	–	–	–	2773	68,900		
				Military (contd) Original works (contd)							
Buildings for European troops in the hill Permanent (Contd)	Nilgiri	Wellington	6	New wash house fitted with bricks drying and ironing rooms for the married quarters Item No 29	–	–	–	–	6,000	6	Item No 10 of Budget of 188283 Estimate under preparation 3120 (2,880)
	"	Do	7	Bath rooms to Wash houses Item 28	3,120	–	–	–	3,120	7	G.O. No 1472 of 14th June 1874
	"	Do	8	Female Hospital at Wellington Depot Item No 10	–	–	–	–	10,000	8	Item No 26 of appendix No 21 to G.O. No 2292 dated 16th September 1882 Estimate under preparation
	"	Do	9	Gymnasium at Wellington Item No —	–	–	–	–	10,000	9	After Appendix No 2 to G.O. No 2292 dated 16th September 182 Estimate under preparation
	"	Do	10	Fire valves with branch and 4 cisterns to Married Quarters Wellington Barracks Item No — [illegible] Works [illegible]	–	–	–	–	2,500	10	Do Do
				Carried over				2773	100,520		

(5)

Imperial
Military works

Part I (Continued)

11/6

Fourth Circle

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	Outlay actual to end of 1881-82	Outlay Probable during 1882-83	Grant 1883-84 Normal	Grant 1883-84 Special	Item No.	Remarks & References
				Brought forward — Military (Contd) Original works (Contd)	-	-	-	2,773	1,00,520		
Buildings for European troops in the hill (Permanent (Contd)	Nilgiri	Wellington	11	Disposing of roof drainage from 1. 2. 3. 4 & 6 blocks of Barracks at Wellington	.	.	.		2,500	11	Estimate under preparation
Commissariat Buildings	Coimbatore	Cannanore	12	Converting the Royal Artillery Family Quarters into a Battery	7,000	-	-		7,000	12	Item No. 10 of Budget 1879-80. Work deferred under G.O No 993 W of 21st April 1880 Class C
Buildings for Native troops	Nilgiri	Wellington	13	Sappers Providing quarters &ca for a Company of		-	-	-	16,000	13	Estimate under preparation
	Coimbatore	Cannanore	14	Latrines & dry earth stores for one Native Infantry Regiment	7,000	-	-	7,000	-	14	Item No. 3 of Budget 1879-80. Estimate submitted to Chief Engineer P.W.D with S.E No 853 of 22d March 1879.
Ordnance Work!	North Arcot	Vellore	15	Constructing an armourers Shop for the Native Infantry Regiment	2,800	-	-		2,800	15	Commenced [illegible] in 1882-83 [illegible] G.O. No 1547 W of 20th June 1881.
				Carried over		-	-	9,773	1,28,820		

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	Projects and works	Amount of Estimate	Outlay: Actual to end of 1881-82	Outlay: Probable during 1882-83	Grant 1883-84: Normal	Grant 1883-84: Special	Item No	Remarks & Reference
				Brought forward	-	-	-	9,773	128,820		
				Military (contd) Original works (contd)							
4 Staff & Miscellaneous	Nilgiri	Oota-cammund	16	Hospital at the Lawrence Asylum for Boys Plan No 31	30,980	-	-	-	15,000	16	
	Do	Do	17	New Water supply at Lawrence Asylum Estm No —	-	-	-	-	7,000	17	Estimate will be submitted
			18	Minor works	-	-	-	8,400	-	18	
				Total Military	-	-	-	18,173	150,820		

$\underbrace{18,173 \quad 150,820}_{1,68,993}$

Imperial
Military

Part II

Fourth Circle

Budget Estimate for Repairs Military for the year 1883-84

Head of Classification	Executive Division	Locality	Items	Estimate 1883-84 Amount	Estimate 1883-84 Total	Estimate 1882-83 Amount	Estimate 1882-83 Total
			Imperial Ordinary Military Repairs				
Military	Coimbatore		Annual Repairs	25000		22,600	
	North Arcot		Do.	3,500		3,000	
	Salem		Do.	4,000		7,000	
	Nilgiri		Do.	15,000		13,200	
			Total Military Rs		47,500		45800

Imperial

Part III

Fourth Circle

Budget Estimate for Establishment for Imperial Military Works for the year 1883-84

			Budget Estimate 1883-84	Budget Estimate 1882-83
Military				
Works	1,68,993	25 per cent on the provision of Rs 2,16,493 for Works & Repairs	54,123	48,508
Repairs	47,500			
	2,16,493			
Total Military			54,123	48,508

Part IV

Budget Estimate for Tools and Plant for Imperial Military Works for 1883-84.

			Budget Estimate 1883-84	Budget Estimate 1882-83.
Military				
Works	1,68,993	1½ per cent on the provision of Rs 2,16,493 for Works & Repairs	3,247	2,910
Repairs	47,500			
	2,16,493			
Total Military			3,247	2910

From,

The Supg: Engineer
IV Circle

Dated 28th } Septr 1882
Received

No: 412

Imperial Budget-Estim
of Military Works
for the year 1883-84

No: 460

Supg: Engineer's office IV circle
Coimbatore, 2d November 1882.

From,

The Supg: Engineer
IV Circle

To,

The Chief Engineer
P.W. Departt,
Madras.

Sir,

I have the honor to bring to your notice that the following works, which have already been sanctioned and completed, have been entered in the schedules of works annexed to G.O. No. 2,590 W of 4th October 1882.

1. Item No 56 - Rebuilding Sick line stables at Oosoor - This work was sanctioned in G.O. No. 33 W. of 12th February 1880 & completed in 1881/82.

Works below 2500 Rs.

2. Erecting a stone reservoir laying pipes between the springs and place of outlet of the spring water supply at Wellington; completed some time ago.

I h

2 It is believed that these works have been included in the lists by a mistake and may be struck out of them.

I have the honor to be
Sir
Your most obt. servant

J. Beatty - Colonel R.E.
Supg. Engineer IV circle

No. 1457

From

The Supg. Engineer,
~~Fourth~~ Circle

Dated 2d }
Despd. 3d } October/82

No. 460

Schedule of Military Works:—

Bringing to notice that the works specified which have already been sanctioned and completed have been entered in the —— annexed to Co. Ons. 2590 W of 4th October/82.

B/

III/1

5th Circle.

Imperial Budget Estimate
of
Military Works
for
1883–84.

Recd 3 Octr 82

(1)				Brought forward Military Original Works (continued)	501756	39776	50835	·	·	·	118078	77900	195978	118078	77900	195978		
Accommodation for Troops. 4' Buildings for Native Troops in the Plain.	Presidency	Bangalore	10	Contracting Lattrines with 30 seats for Native Sappers and Miners. Item 32	3380	533	·	·	·	·	2847	·	2847	2847	·	2847	10	The Estimate has been sent to Chief Engineer with letter No 2005 dated 31st August 1882.
(2) Ordnance Works.	do	Madras	11	Gun Powder Factory—Improvements. Item No 43	199305	183879	20000	·	·	·	·	·	·	·	·	·	11	G.O. No 1399 W dated 5th June 1882. Item No 16 of Budget of 1882-83 Class A. 20000
				Composition Mills One Group for do Item No 43	26260	·	·	·	·	·	·	15000	15000	·	15000	15000		The estimate is prepared. Item 36 in the Schedule attached to G.O. No 2292 W dated 16th Septr/81
				One Master Worker's house and One Master refiner's house. Item 46	10170	·			·	·	·	10170	10170	·	10170	10170		Sanctioned in G.O. No 73 of 12th June 1881. Item No 40 of Schedule do do
					235735	183879	2000	·	·	·	·	25170	25170	·	25170	25170		
				Carried Over	740871	224188	70835	·	·	·	120925	103070	223995	120925	103070	223995		

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

N1/5 44

Heads of Classification	Executive Division	Locality	Item No.	Projects & Works	Amount of estimate	Outlay: Actual to end of 1881-82	Outlay: Probable during 1882-83	Grant, 1883-84: Normal: Works in progress	Grant, 1883-84: Normal: Works not commenced	Grant, 1883-84: Normal: Total	Grant, 1883-84: Special: Works in progress	Grant, 1883-84: Special: Works not commenced	Grant, 1883-84: Special: Total	Grant, 1883-84: Total: Works in progress	Grant, 1883-84: Total: Works not commenced	Grant, 1883-84: Total: Total	Item No.	Remarks and References
				Brought forward	7,40,871	2,24,188	70,835	•	•	•	1,20,925	1,03,070	2,23,995	1,20,925	1,03,070	2,23,995		
(2) Ordnance Works.	Presidency	Madras.	12	Gun Carriage Factory - Barrel Machine shop roof - Renewal & repairs	4,030	•	•	•	•	•	•	4,030	4,030	•	4,030	4,030	12	Sanctioned in G. O. No. 2413W dated 16th September 1882.
	do	do	13	Grand Arsenal - Renewing a portion of the terrace roof of the Armoury	4,940	•	•	•	•	•	•	4,940	4,940	•	4,940	4,940	13	Sanctioned in G. O. No. 2223W dated 30th August 1882.
(3) Commissariat Buildings.	Chingleput	Guindy	14	Slaughter house and Butcher's Quarters.	9,818	•	•	•	•	•	•	9,818	9,818	•	9,818	9,818	14	The estimate has been submitted to the Chief Engineer with letter No. 2186 d/14th September 1882
(4) Staff & Miscellaneous	Presidency	Madras.	15	Stables for 50 horses proposed to be erected on the covered way of the North face of Fort St. George.	× 17,800	•	•	•	•	•	•	17,800	17,800	•	17,800	× 17,800	15	× Approximate amount approved in G. O. No. 2219W dated 29th August 1880
				Carried over	7,77,459	2,24,188	70,835	•	•	•	1,20,925	1,39,658	2,60,583	1,20,925	1,39,658	2,60,583		

III/7 45

				Brought forward	777,459	2,24,188	70,835	•	•	•	120925	139658	260583	120925	139658	260583	
(8) Fortifications	Presidency	Madras	16	Emplacements with racers and racer curbs for $\frac{280}{68}$ Pr. R. M.L. Guns for R.A. annual practice over seaward Range	•		•	•	•	•	•	3,500	3,500	•	3,500	3,500	16 Estimate will be submitted.
	do	do	17	3 Coast Batteries completing expense Magazine & emplacement for the 9 M. L. R. Guns.	41,500	•		•	•	•	•	41,500	41,500	•	41,500	41,500	17 Approximate amount.
	do	do	18	Emplacements and Magazines for New Armament of Fort St. George.	•	•	•	•	•	•		20,000	20,000	•	20,000	20,000	18 Estimate will be submitted.
	do	do	19	Demolition of Outworks. Cleaning of Fort ditch and completion of counter scarp walls.	•	•	•	•	•	•	•	25,000	25,000	•	25,000	25,000 90000	19 Do
	Presidency	•	20	Minor Works.	•	•	•	•	•	•	•	20,000	20,000	•	20,000	20,000	20
				Total Ordy. Works	8,18959	2,24,188	70,835			•	120925	249658	370583	120925	249658	370583	

Imperial
Military Works

Fifth Circle

Part II

Budget Estimate for Repairs of Military works in the 5th Circle during 1883-84.

Heads of Classification	Divisions	Locality	Items	Estimate 1883-84 Amount	Estimate 1883-84 Total	Estimate 1882-83 Amount	Estimate 1882-83 Total	Remarks
			Imperial Ordinary Military					
Military	Presidency		Repairs	160,000		150,000		
	Chingleput		do	40,000		35,000		
			Total Repairs		200,000		185,000	

Madras
2d October 1882

Alexr Prendergast Coll R.E.
Supdg. Engineer, 5th Circle.

K.S.

No. 3208.

SUPERINTENDING ENGINEER'S OFFICE,
5TH CIRCLE, MADRAS,
Chepauk, 9th December 1882.

49

From
THE SUPERINTENDING ENGINEER,
5TH CIRCLE,

To
THE Chief Engineer
P. W. D.

SIR,

Enclosures.

With reference to para 2 of G. O. No. 2985 W dated 13th November 1882, I have the honor to report that the approximate amount to be provided in next year's Budget for completing Stables at Bangalore is Rs. 67400, and at St. Thomas Mount Rs. 48000.

I have the honor to be
Sir
Your Most Obedt. Servt.
Alexr Henderson
Coll. R.E.
Superintg. Engr.
5th Circle.

From

THE SUPERINTENDING ENGINEER,
5TH CIRCLE,

To

THE Chief Engineer
D.P.W.

Dated 9th }
Recd. } December 1882

ENCLOSURES.

No. 3208.

Stables -

Reports that the approximate amount to be provided in next years Budget for completing ——— at Bangalore is Rs 67400 & at St Thomas Mount Rs 48000

No. 3247.

SUPERINTENDING ENGINEER'S OFFICE,
5TH CIRCLE, MADRAS,
Chepauk, 12th December 1882

50

From

THE SUPERINTENDING ENGINEER,
5TH CIRCLE,

To

THE Chief Engineer
P.W.D.

SIR,

Enclosures.

+ with file & No 3160 W of 30-11-82 & sent [illegible] on the 6-Decr 1882

With reference to your Memorandum No 2178+ dated 28th November 1882 I have the honor to report that the allotment to be entered in the Budget for 1883-84 for placing in position the $\frac{80}{68}$ Powder Guns in Fort St George is Rupees 13600-

I have the honor to be
Sir
Your Most Obed.t Servt.

Hew Lindesay
Colt R.E.

Superintdg Engr
5 Circle

From

THE SUPERINTENDING ENGINEER,

5TH CIRCLE,

To

THE Chief Engr.
P.W.D.

Dated 12th } December 1882
Recd.

ENCLOSURES.

No. 3247

80/68 Pounder Guns —

Reports that the allotment to be entered in the Budget for 1883–84 for placing in position the in Fort St George is Rupees 13100.

Imperial
Military

Trichinopoly District
Part II

Detail of the Budget Estimate for Repairs for the year 1883-84

Head of Classification	Division	Locality	Items	Estimate 1883-84 Amount	Estimate 1883-84 Total	Estimate 1882-83 Amount	Estimate 1882-83 Total
			Imperial Ordinary				
			Military				
	Trichinopoly	Trichinopoly	Accommodation for Troops	4,500		4,500	
			Compensation for Quarters				
			Medical Subordinates	200		200	
			Military Roads				
			Cantonment Roads	1188		1188	
					5888		5888

Superintg Engineer's Office }
Trichinopoly 14th October 1882 }

Lieut Col.
Superintending Engineer
6th Circle

A.S.

From,

The Supg Engineer
6th Circle

To,

The Chief Engineer
D.P.W.,

Dated 14th October 1882

Trichinopoly District

Imperial
Military Works
Part II

Detail of the Budget
Estimate for repairs for
the year 1883-84.

Imperial
Military Works

Trichinopoly District
Part I

Detail of the Budget Estimate for Original Works for the year 1883-84

Head of Classification	Executive Division	Locality	Item No.	Project and Works	Amount of Estimate	Outlay		Grant for 1883-84									Item No.	Remarks
								Normal			Special			Total				
						Actual to end of 1881-82	Probable during 1882-83	Works in progress	Works not commenced	Total	Works in progress	Works not commenced	Total	Works in progress	Works not commenced	Total		
	Trichinopoly	Trichinopoly		Imperial Ordinary														
				Military														
				Major original Works														
				Nil														
			1	Minor original Works	.	.	.	.	700	700	.	.	.	.	700	700	1	

Superintg. Engineer's Office
Trichinopoly 14th October 1882

W.S.

Lieutt Col R.E.
Superintending Engineer
6th Circle

From, M.C. 1-7037

The Supg Engineer
6th Circle

To,
The Chief Engineer
D.P.W.

Dated 14th October 1882

Trichinopoly District

Imperial
Military Works
Part I
Detail of the Budget
Estimate for Original
Works for the year 1883-84.

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. 1102 M.W.

GOVERNMENT OF INDIA.

MILITARY DEPARTMENT.

Simla, the 6th November 1882.

Distribution of the Imperial Grant for Military Works for 1883-84.

READ the following :—

Letter from the Secretary to Government of Madras, Public Works Department No. 2591-W., dated 4th October 1882.

Letter from the Secretary to Government of Bombay, Public Works Department, No. 234-A.-1732, dated 23rd September 1882.

Letter from the Secretary to Government of Bengal, Public Works Department, No. 197-T.-A., dated 9th October 1882.

Letter from the Secretary to Government of North-Western Provinces and Oudh, Public Works Department, No. 8153-B.-R., dated 10th October 1882.

Letter from Secretary to Government of Punjab Public Works Department, No. 1053-C., dated 10th October 1882.

Letter from Secretary to Chief Commissioner, Central Provinces, No. 7319, dated 7th October 1882.

Letter from Secretary to Chief Commissioner, British Burma, No. 7666, dated 28th September 1882.

Letter from Secretary to Chief Commissioner, Assam, No. 1925, dated 28th September 1882.

Letter from Secretary to Chief Commissioner, Coorg, No. 155-414, dated 25th September 1882.

Letter from Secretary to Resident, Hyderabad, No. 201-G.-A., dated 4th October 1882.

Letter from Secretary to Agent, Governor General, Central India, No. 3812, dated 6th October 1882.

Letter from Secretary to Agent, Governor General, Rajputana, No. 2555-S., dated 5th October 1882.

Letters from Inspector General, Military Works, Nos. 5841 and 5383, dated 11th and 25th October 1882.

RESOLUTION.—The following is an abstract of the demands for military works submitted by the several Local Governments and Administrations and the Military Works Department for 1883-84, compared with the corresponding budget grants for 1882-83 :—

	Demand, 1883-84. Rs.	Grant, 1882-83. Rs.
Madras	19,16,608	6,20,000
Bombay	50,00,000	11,30,000
Bengal	4,69,100	2,32,000
North-Western Provinces and Oudh	7,350	18,520
Punjab	9,75,100	3,25,500
Central Provinces	7,61,000	3,72,000
British Burma	5,52,090	3,37,350
Assam	2,99,555	2,50,000*
Coorg	...	5,000
Hyderabad	3,81,400	3,00,000
Central India	9,04,000	2,23,000
Rajputana	2,80,100	2,00,000
Biluchistan	10,40,000	3,60,000
Military Works Department	55,77,000	54,05,000
Reserve for unforeseen works	...	2,21,630
Total	1,81,63,303	1,00,00,000

2. The demands for 1883-84, it is observed, exceed the total Imperial
Military Works Grant for 1882-83 by Rs. 81,63,303; but, as the annual grant
for Military Works is fixed at a crore of rupees, the foregoing demands must
be curtailed so as to come within that amount. After a careful consideration of
the various requirements brought forward, the Government of India are
pleased to sanction the following allotments for next year :—

	Provisional grant, 1883-84. Rs.
Madras	6,20,000
Bombay	11,00,000
Bengal	4,46,000
North-Western Provinces and Oudh	7,000
Punjab	3,00,000
Central Provinces	3,25,000
British Burma	3,00,000
Assam	2,19,000
Coorg	...
Hyderabad	2,12,000
Central India	2,10,000
Rajputana	1,73,000
Biluchistan	6,08,000
Military Works Department	54,50,000
Total	1,00,00,000

The Government of India leave it to Local Governments and Adminis-
trations and the Inspector General of Military Works to distribute the allot-
ments herein sanctioned to the best advantage in communication with the local
military authorities concerned, due attention being paid to the following
remarks, and preference being given to the works in progress. These grants
include provision for any expenditure that may be incurred in England on
stores for works classed as Military. The Budget Estimates should be pre-
pared for the amounts now provisionally sanctioned, and submitted so as to
reach the Government of India punctually on the 15th January 1883.

4. *Minor Works.*—The demands for minor works are abnormally high. On this point attention is invited to the ruling contained in Public Works

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Department Code, Chapter XV, paragraph 88, which limits the grant for minor works to $\frac{1}{15}$th of the provision for original works; and it is requested that this limit may be observed, as far as possible, in fixing these grants for next year.

P 6

5. *Repairs.*—In most cases the demand for repairs exceeds the amount sanctioned in Budget Orders for 1882-83. Provision for this charge should be made with due regard to actual requirements, based on the average annual expenditure of the past three years.

6. *Establishment.*—As laid down in Public Works Department Circular No. XX of 29th September 1881, the allotment for Establishment in the case of the Provinces to which the Provincial Service arrangements apply, except British Burma, should be calculated in the proportion of 23 per cent. on the outlay on works and repairs. For British Burma a special rate of 18 per cent. has been fixed at the request of the Chief Commissioner, while for Central India the debit to the Military Works grant for establishment should be at the rate of 25 per cent. of outlay or grant for works and repairs. The grant for the other Provinces should be made with reference to requirements and to the average annual outlay for the last three years.

7. *Tools and Plant.*—The assignment for tools and plant for the Provinces to which the Provincial Service arrangements are applicable should ordinarily be fixed at the rate of 1½ per cent. on the grant for works and repairs. The allotment for the other Provinces is to be limited to annual average outlay, as in the case of repairs and establishment.

8. As Mercara, the only military station in Coorg, is to be abandoned on the 15th December 1882, no allotment is made for that Province.

ORDER.—Ordered, that this Resolution be communicated to the Local Governments and Administrations noted in the margin, and to the Inspector General of Military Works for information and guidance.

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

P 7

Ordered also, that copies be forwarded to the—

Quarter Master General in India, for the information of His Excellency the Commander-in-Chief.
Finance Department, for information.
The Public Works Department, for information.
Accountant General, Military Department, for information.
Accountant General, Public Works Department, for information.

Wm G. Cumming Major R.E.
for Secretary to the Government of India

Govt. Central Branch Press, Simla.—No. 1307 M. D.—8-1-82.—525.

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

M.E. No. 7848

G.O. 330 W - 12.2.80.
G.O. 365/366 W d/ 9-2-82
G.O. 2590. W 4-10-82
G.O. 2478 W 11-11-82
G.O. 2485 W d/ 13.11.82

List of Major Works proposed to be provided for out of Budget Grant for 1883/84

Station	Works	Assignment	Remarks
	Unfinished Works	100,000	Items No. 1, 27, 13, 16, 22, 25, 29, 43 & 49 of Schedule attached to G.O. No. 2590. W. dated 4th October 1882
Bangalore	Stabling Royal Arty	15,000	Item No. 20 of do
St. Thos. Mount	do do	15,000	" " 6 " "
Bangalore	Improvements to washhouses British Infantry	10,000	" " 17 " "
do	Latrine for Sappers	3800	" " 32 " "
Vellore	Armourer's Shop	2800	Item No. 15 of Budget 1882/83 not executed because Regiment temporarily withdrawn, will be required 1883/84.
Bellary	Armourer's Shop. Native Cavalry	+2695 2495	Item No. 34 of Schedule in G.O. No. 2590 W dated 4th October 1882
Berhampore	Armourer's Shop	3000	Item No. 38 of do
Fort St. George	Repair to roof Arsenal	4940	Item No. 42 of do
Wellington	Water Supply Improvements to	5000	Estimate approved by Commander in Chief and forwarded to P.W.D.
St. Thos. Mount	Harness Rooms Improvements to	4200	Item No. 6 of Schedule G.O. No. 2590 W dated 4th October 1882
		166,435	

Station	Works	Assignment	Remarks
		164,435	
Bangalore	Public Buildings for Cavalry Regiment	20,000	Estimate approved by Commander in Chief and forwarded to P.W.D. important.
Cannanore	Battery	7,000	Estimate called for. Considered most important.
Fort St George	Mounting Ordnance on Fort St George	13,000	Estimate awaited.
Bangalore	Ordnance Buildings	12,000	New Ordnance Buildings as noted in letter from Inspector General of Ordnance published in G.O. Military Department No 5130 dated 25th Sept 1882 are wanted, and His Excellency the Commander in Chief will address Government regarding them.
Bellary	Repairing Fort	8000	Estimate awaited.
Trichinopoly	Public Buildings for N. I. Regiment	10,000	If new lines are built, new Guard room &c will be required.
		234,435	

D. J. S. McLeod Major,
Offg Deputy Qr Mr General.

Quarter Master General's Office
Fort St George 21st December 1882

57

QUARTERMASTER-GENERAL'S OFFICE,
Fort Saint George
21st December 1882.

No. 10,424.

From
THE QUARTERMASTER-GENERAL,

To
THE Secretary to Government
Public Works Department.

SIR,

With G.O. 8752 & [illegible] C. 21-12-82. S.P. 22/12

Referring to your letter No. 2244 C. dated 6th Instant, I am desired to attach a list of Works in the order of their urgency which His Excellency the Commander in Chief proposes should be carried out in the year 1883/84 and the grants to be assigned to them.

I have the honor to be,
Sir,
Your Obedient Servant,
D. J. S. McLeod Major,
Offg Deputy Qr Mr General.

M.

1882

W.C. No. 8891

From

The Quarter Master General

121
122 } W

Dated 21st } Dec
Recd. 22 }

No. 10424

One Enclosure.

Submits a list of Major Works proposed to be provided for out of the Budget Grant for 1883/84

No. 15 D A. No. 768 D/9.1.83

GOVT. OF MADRAS. } 1883. { P. W. DEPT.
59 Encl 1

SECRETARY.

Chepauk, 6th January 1883.

OFFICE NOTE.

To

C

Herewith the Military Budget Estimate for 1883-84. Please check and fill in the Actuals for 1881-82.

Very early return of the Budget is requested.

D.W.

R.S.

No. 837 D/9.1.83
Encl

Needful done. Papers returned.

9/1

9/1/83

B

X/

No 121 ~ d/12th Jany/83 sent

Public Works Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT. 6^o

Read the following

From the Supdtg. Engr. First Circle (No. 7280 — d/ 19th October 1882)
— " — " — Third " (" 6739 " d/ 4th Septr. ")
— " — " — Do " (" 8408 1566 d/ 4th Decr. ")
— " — " — Fourth " (" 6609 412 d/ 28th Septr. — ")
— " — " — Do " (" 7577 460 d/ 2d Octr. — ")
— " — " — Fifth " (" 6653 " d/ 2d — " — ")
— " — " — Do " (" 8471 3208 d/ 9th Decr. ")
— " — " — Do " (" 8543 3247 d/ 12th — ")
— " — " — Sixth " (" 7037 " d/ 14th Octr. ")
From Govt. of India, Military Dept. (No. 7848 1102 MW d/ 6th Nov —)
" Quartermaster General (" 8891 10424 d/ 21st Decr.)

In the Resolution above recorded, the Government of India have assigned a grant of Rs. 6,20,000 for Military Works in this Presidency for 1883/84, the distribution of this grant being left to the Local Government.

2. The grant for "Establishment" and "Tools and Plant" are fixed rateably, while that for Repairs cannot be reduced to a smaller sum than that assigned during the current year. The grant for Minor Works has been calculated at about one-tenth of the grant for Major Works as laid down by the Govt of India. The requisite provision having been made under these heads, there will remain a sum of only Rs 1,99,580

for appropriation to Major Works.

The distribution will be as follows—

Major Works	Rs	1,99,580
Minor "	"	22,207
Repairs	"	2,75,000
Establishment	"	1,15,761
Tools & Plant	"	7,452
Total	Rs	6,20,000

3. Of the grant of Rs 1,99,580 for Major Works, Rs 1,15,380 are required for Incomplete Works, leaving only Rs 84,200 for New Works. A contribution of Rs 1,500, being 5 per cent on Revenue has been taken in addition to the usual percentage

for Establishment in accordance with the Govt of India Circular & No. XX PW of 29th Septr/81

& GO. No. 365 W of 9 Feby/82

4. The grants for Minor Works and Repairs will be held at the disposal of Government, and will be distributed on receipt of estimated requirements from Supdg Engineers as directed in GO. No. 405 W of 14th February 1881.

5.– The Supdg Engineers concerned will lose no time in submitting for the Sanction of Government plans and Estimates

8.10

for those works for which provision of funds has been made for Expenditure during 1883/84. The few works for which provision is made are of great urgency, and Supdg Engineers should Endeavour to fully utilize the grants aſsigned.

6. With these remarks the Preliminary Iſsue of the Military Works Budget Estimate for 1883/84 is circulated for the information and guidance of the officers of the Department and for

copies will be forwarded
to the Govt of India.

(H. E. No. 122 of 1st Jany/83)

Copy of the above
with four copies of the
Preliminary Spec of the
Budget forwarded to
the Govt of India.

5/1/83

16
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Desd
22/1

Supt of Engineers S
Examiner P.W. Accts S/
Military Dept /
Financial C.S. /7
Acct Genl Madras 4

Mr. Desd with Budget
12/1/83
4 Spare Specs
Desd 22/1/83

784

Govt. of (1883) Madras
PUBLIC WORKS.

Dated [illegible] 12/11

Recd. Encl.

G.O. 12 Jany 1883 No. 121-1
122-1

Nos. 121-123

Military Works Budget

[illegible] Circle

Passing orders on the
Preliminary [illegible] of
for 1883'84

~~200~~

Dit 16

Bnd