(1) பக்கங்களின் எண்ணிக்கை 36

(2) புதுக்கித் திருப்பிய நாள் 24.7.88

(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம்

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

P.W.D. துறை

அரசாணை எண். 2906 W
மு. கோப்புத் தாள் எண்.

அச்சகம்
பல்வகை

நாள் : 17.9.1988 ~~198~~ .

அபா

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

ஆவண. கா-1—18,006—15-6-87.

2906
1

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

READ—the following paper :—

From Brigadier-General M. PROTHEROE, C.B., C.S.I., Quartermaster-General, to the Secretary to Government, Military Department, dated Ootacamund, 1st September 1888, No. 3163 A.

I have the honor, by order, to forward, for sanction and transfer to the Public Works Department for disposal, the estimate, plan, &c., below-mentioned, which have been approved by the Commander-in-Chief. The plan and estimate have been countersigned :—

Estimate amounting to Rs. 5,680 for constructing a Battery office for the Royal Horse Artillery at Bangalore, with specification and plan.

No. 6005, Military.

Approved and transferred to the Public Works Department for disposal.

(By order.)

OOTACAMUND, 3rd September 1888. (Signed) A. KENNEY-HERBERT, Brigdr.-Genl., Secretary to Government.

ORDER—dated 17th September 1888, No. 2906 W., Public Works.

The estimate, amounting to Rs. 5,680, for constructing a Battery office for the Royal Horse Artillery at Bangalore is sanctioned for execution when funds are available.

2. This sanction has been registered as Imperial No. 36 W. of 1888-89 and classified as Military, Original Works.

(True Extract.)

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

To the Superintending Engineer, V Circle,
with four enclosures.
" Examiner of Public Works Accounts,
with the duplicate abstract estimate.
" Military Department.

Exd. J. Henricus.
Spare Copies

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1888} Madras.

PUBLIC WORKS.

Dated September, 17th.

Recd. *Encl.*

G.O., 17th Sept. 1888, No. 2906 W.

SEPTEMBER.

Battery Office for the Royal Horse Artillery at Bangalore

Estimate for constructing a —, sanctioned.

2306
2

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General Account.

READ—the following papers :—

EXTRACT from the Proceedings of the Government of India, Military Department—(No. 640-M.W., under date Fort William, 23rd March 1888).

MADRAS.

Orders on the Military Works Revised Estimate for 1887-88 and Budget Estimate for 1888-89.

Read—

Military Department Resolution No. 2309-M.W., dated 3rd November 1887.
Letter No. 32 W., dated 6th January 1888, from the Government of Madras.
" 190 W., " 17th " " " " "
" 441 W., " 7th February " " " "
" 614 W., " 21st " " " " "

Resolution—

The estimates of revenue are accepted for the sums entered in the following table :—XXXI.—REVENUE.

—	Actuals, 1886-87.	Budget estimate, 1887-88	Revised estimate, 1887-88.	Budget estimate, 1888-89.
	RS.	RS.	RS.	RS.
In the Public Works Department.	23,984	25,000	25,000	27,800

44.—EXPENDITURE.

Revised Estimate, 1887-88.

2. The revised estimate is passed for the amount of the existing grant Rs. 5,73,500, which includes the additional grants of Rs. 7,500 and Rs. 16,000 sanctioned in Military Department letter, No. 2528-M.W., dated 19th December 1887, and telegram No. 376-M.W., dated 17th February 1888, for the conversion into barracks of buildings in Fort St. George and for Minor Works, respectively.

Budget Estimate, 1888-89.

3. The estimate has been framed for the provisional grant of Rs. 5,25,000 sanctioned in Military Department Resolution, No. 2309-M.W., of 3rd November 1887, but a further sum of Rs. 99,300 is hereby allotted to provide for expenditure on Ordnance Works in Madras. Out of this sum provision must be made to meet the cost of land required for a coal store at Vepery ; the balance will be distributed, as far as may be, in accordance with Madras G.O., No. 189-W., of the 17th January 1888,

the necessary modifications being determined by the Government of Madras in communication with the Director-General of Ordnance.

4. The Government of India regrets that no extra grant can be assigned for the provision of additional accommodation for troops at St. Thomas' Mount until full information is received as to the details of the scheme. If the project be approved, the necessary funds will probably have to be provided by postponing some of the works now entered in the budget estimate.

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

—	Actuals, 1886-87.	Budget estimate, 1887-88.	Revised estimate, 1887-88.	Budget estimate, 1888-89.
	Rs.	Rs.	Rs.	Rs.
Original Works { In progress ... ... / Not commenced	1,45,707	1,42,600	1,62,300	57,300
Repairs	3,11,795	3,00,000	2,78,500	68,800 / 3,00,000
Total Works and Repairs ...	4,57,502	4,42,600	4,40,800	4,20,600
Establishment	1,06,754	1,03,000	1,02,600	98,100
Tools and Plant	4,589	4,400	6,600	6,300
Add—Grants sanctioned since submission of revised estimate	5,68,845 / ...	5,50,000 / ...	5,50,000 / 7,500 / 16,000	5,25,000 / ...
Add—Grant sanctioned for Ordnance Works...	5,68,845 ...	5,50,000 ...	5,73,500 ...	5,25,000 99,300
Deduct Expenditure in England	5,68,845 1,638	5,50,000 ...	5,73,500 ...	6,24,300 ...
Net Expenditure in India	5,67,207	5,50,000	5,73,500	6,24,300

6. The provision made for works in anticipation of sanction of detailed estimates is admitted on the understanding that work will not be commenced until the estimates have been approved by competent authority.

Order—

Ordered that this resolution be communicated to the Government of Madras, with the request that 45 copies of the estimates, as now passed, may be submitted so as to reach the Government of India not later than the 1st May 1888.

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

(True Extract.)

(Signed) E. COLLEN, Lieut.-Colonel,
Secretary to the Government of India.

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

Telegram from the Director-General of Ordnance, to the Secretary to the Government of Madras, Public Works Department, dated Simla, 17th April 1888, No. 10 E.

Your telegram. Please consult Local Ordnance what reductions can most conveniently be made.

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From Colonel H. McLEOD, R.A., Inspector-General of Ordnance, to the Secretary to the Government of Madras, Public Works Department, dated Fort St. George, 20th April 1888, No. G-11.

With reference to telegram No. 11 E., dated 17th instant, from the Director-General of Ordnance in India, a copy of which is enclosed, I have the honor to inform you that the Rs. 8,830 required will be met from reappropriation from the undermentioned works referred to in letter No. 90 E. (Tour), dated Agra, 2nd January 1888, from the Director-General of Ordnance in India, to your address, republished in G.O., dated 17th idem No. 189 W. :—

Rupees 6,935 allotted for shed, Camp Equipage Depôt, Madras.
Rupees 1,895 from sum of Rs. 6,000 allotted for store rooms, Gun Carriage Factory, Madras.

Enclosure.

Telegram from the Director-General of Ordnance, to the Inspector-General of Ordnance, Madras, dated Simla, 17th April 1888, No. 11 E.

Rupees 8,830 required towards purchase site for coal store and Artificer quarters, Vepery. Inform Madras Works what reductions to meet this can most conveniently be made in works sanctioned in my 93 E. Tour 3. Report action taken.

Order—dated 23rd April 1888, No. 1199 W., Public Works.

Ordered that the final issue of the Imperial Military Works budget estimate for 1888-89 prepared for Rs 6,24,300, being the amount adopted by the Government of India in their resolution read at the head of these proceedings, be printed and circulated for the information and guidance of the officers of the department, 45 copies as noted in the margin being forwarded to the Government of India.

	Copies.
To Simla	20
To Calcutta	25
Total ...	45

2. The provision made by the Government of India for Ordnance Works during 1888-89 is Rs. 99,300. Out of this sum Rs. 41,625 have been set apart for the purchase of land for a coal store at Vepery, and the balance, Rs. 57,675, has been distributed under the departmental heads as shown below. The sum available for works has been distributed in communication with the Director-General of Ordnance.

	Rs.
Works	46,325
Establishment	10,675
Tools and plant	675
Total ...	57,675

3. The grant provided in the preliminary issue for item 1 under class A works has been reduced to the amount of the unspent balance of the sanctioned estimate for the work.

4. The alterations referred to in the proceedings of Government noted in the margin have been carried out in the final issue.

G.O., No. 423 W., dated 6th February 1888.
„ „ 504 W., „ 11th „ „
„ „ 950 W., „ 22nd March „

5. A sum of Rs. 5,555 has been provided for the guard-room and fire-engine shed for the Ordnance Depôt at Agram, Bangalore—(*vide* G.O., No. 536 W., dated 16th February 1888).

6. With reference to paragraph 4 of the letter from the Government of India above recorded, the Quartermaster-General will be requested to furnish the required

details of the scheme for providing additional accommodation for troops at St. Thomas' Mount.

7. With reference to paragraph 5 of G.O., No. 31 W., dated 6th January 1888, the Government of India will be requested to provide a special grant of Rs. 5,680 required for converting certain buildings in Fort St. George into barracks for sixty single men.

8. It is observed that the grant of Rs. 50,000 applied for in letter to the Government of India, No. 870 W., dated 16th March 1888, for regimental institutes in this Presidency has not been provided. The Government of India will again be requested to consider the proposal favorably and issue early orders on the subject.

9. The unsanctioned works for which funds have been provided in the budget should not be commenced until plans and estimates for them have been sanctioned.

10. The grants for incomplete major works and repairs will be held at the disposal of Government and distributed on receipt of detailed proposals from the officers concerned, with reference to paragraph 1322 of the Public Works Code.

11. The grant for minor works will also be held in reserve, and, after providing for incomplete works of 1887-88, the balance will be placed at the disposal of the officers commanding divisions and districts.

(Here enter No. 1200 W., dated 23rd April 1888.)

(True Extract.)

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

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

Endorsement—dated 23rd April 1888, No. 1200 W., Public Works.

Forwarded to the Government of India, Military Department.

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

Exd. J. Moses.
Spare Copies

10 v
4

GENERAL.
ACCOUNT.

Govt. of {1888} Madras.

PUBLIC WORKS.

Dated April, 23rd.

Recd. *Encl*

G.O., 23rd Apr. 1888, No. 1200 W.

APRIL.

Military Works Budget Estimate for 1888-89

Forwarding copies of the final issue of the Imperial—.

FINAL ISSUE.

2306
5

IMPERIAL.
MILITARY WORKS.

MADRAS.

PUBLIC WORKS DEPARTMENT.

IMPERIAL BUDGET-ESTIMATE

OF

MILITARY WORKS

OF THE

GOVERNMENT OF MADRAS

FOR THE YEAR

1888-89.

CHEPÁK,
23rd April 1888.

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

29.06
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IMPERIAL.
MILITARY WORKS.

MADRAS.

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IMPERIAL.
MILITARY WORKS.

MADRAS.

REVENUE.

ABSTRACT OF THE BUDGET-ESTIMATE OF REVENUE OF THE PUBLIC WORKS DEPARTMENT FROM MILITARY WORKS IN MADRAS FROM 1st APRIL 1888 TO 31st MARCH 1889.

	Actuals, 1886-87.	Budget-Estimate, 1887-88.	Revised Estimate, 1887-88.	Budget-Estimate, 1888-89.
	Rs.	Rs.	Rs.	Rs.
In Public Works Department	23,984	25,000	25,000	27,800
In Civil and Military Departments	...	...	...	...
Total ...	23,984	25,000	25,000	27,800

CHARGES.

ABSTRACT OF THE BUDGET-ESTIMATE OF EXPENDITURE OF THE PUBLIC WORKS DEPARTMENT OF MILITARY WORKS IN MADRAS FOR THE YEAR FROM 1st APRIL 1888 TO 31st MARCH 1889.

	Reference to Detailed Estimate.	Actuals, 1886-87.	Budget-Estimate, 1887-88.	Revised Estimate, 1887-88.	Budget-Estimate, 1888-89.
		Rs.	Rs.	Rs.	Rs.
Original Works { In progress	...	1,45,707	1,42,600	1,41,395	74,277
Original Works { Not commenced					1,34,273
Repairs ... ... { Ordinary	...	3,11,795	3,00,000	3,18,242	3,00,000
Repairs ... ... { Special					
Establishment	...	1,06,754	1,03,000	1,06,979	1,08,755
Tools and Plant	...	4,589	4,400	6,884	6,995
Suspense Account	...	...	...	...	...
Total ...	...	5,68,845	5,50,000	5,73,500	6,24,300

IMPERIAL.
MILITARY WORKS.

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MADRAS.

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

	Actuals, 1886-87.	Budget-Estimate, 1887-88.	Revised Estimate, 1887-88.	Budget-Estimate, 1888-89. Original Works. In progress.	Not commenced.	Total.	Repairs.	Establishment.	Tools and Plant.	Suspense Account.	Barrack Department.	Total.
Provision from Imperial Funds.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
In India ...	5,67,207	5,50,000	5,73,500	74,277	1,34,273	2,08,550	3,00,000	1,08,755	6,995	...	...	6,24,300
In England.	1,638	...	...	...	...	...	...	...	...	...	...	...
Total ...	5,68,845	5,50,000	5,73,500	74,277	1,34,273	2,08,550	3,00,000	1,08,755	6,995	...	...	6,24,300
Provision from Contributions.												
In India ...	...	...	...	...	...	...	...	...	...	...	...	...
Grand Total ..	5,68,845	5,50,000	5,73,500	74,277	1,34,273	2,08,550	3,00,000	1,08,755	6,995	...	...	6,24,300

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

	Actuals, 1886-87.	Budget-Estimate, 1887-88.	Revised Estimate, 1887-88.	Budget-Estimate, 1888-89. Original Works. In progress.	Not commenced.	Total.	Tools and Plant.	Suspense Account.	Total.
	Rs.								
	1,638	...	...	...	...	...	...	...	...
Total ...	1,638	...	...	...	...	...	...	...	...

IMPERIAL.
MILITARY WORKS.

PART

DETAIL OF THE BUDGET-ESTIMATE FOR

CLASS A

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.
					Rs.
				IMPERIAL ORDINARY.	
				Military.	
				Original Works.	
(1) *Accommodation for troops*— Buildings for European troops in the plains. Permanent.	Bellary ...	Bellary ...	1	Gun-shed for Royal Artillery ...	11,560
	West Coast.	Malapuram ...	2	Barracks for a detachment of British Infantry to accommodate 50 additional men.	1,32,867
Accommodation for Native troops.	Presidency.	Bangalore ...	3	Additions, &c., to public buildings, Madras Infantry Regiment, for a Pioneer Regiment.	21,636
				Total ...	...

[4]

MADRAS.

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I.

ORIGINAL WORKS FOR THE YEAR 1888-89.

WORKS.

Outlay.		Grant, 1888-89.			Item No.	Remarks and References.
Actual to end of 1886-87.	Probable during 1887-88.	Works in progress.	Works not commenced.	Total.		
Rs.	Rs.	Rs.	Rs.	Rs.		
...	3,970	7,590	...		1	G.O., No. 1042 W., dated 6th April 1888.
1,22,672	17,000	20,000	...		2	G.O., No. 2822 W., dated 21st October 1887. Item No. 1, class A works, budget of 1887-88.
15,188	6,636	5,000	...		3	G.O., No. 2952 W., dated 29th November 1884. Item No. 2, class A works, budget of 1887-88. Supplemental estimate is awaited.
...	...	32,590	...	32,590		

[5]

IMPERIAL
MILITARY WORKS.

PART

DETAIL OF THE BUDGET-ESTIMATE FOR

CLASS B

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.
					Rs.
				IMPERIAL ORDINARY.	
				Military.	
				Original Works.	
(1) *Accommodation for troops*— Buildings for European troops in the plains. Permanent.	Nilgiri ...	Wellington ...	1	Quarters for three Apothecaries ...	...
	Chingleput.	Poonamallee...	2	New barracks	1,66,885
	Presidency.	Bangalore ...	3	New saddle room, British Cavalry...	4,158
Accommodation for Native troops.	Do. ...	Madras ...	4	Constructing 4 latrines—2 for males and 2 for females—Perambur lines.	...
(2) *Ordnance Works* ...	Bellary ...	Bellary ...	5	New workshops for the Arsenal ...	...
	Presidency.	Madras ...	6	Purchase of land for coal store and Artificers' quarters at Vepery.	...
	Do. ...	Do. ...	7	Turners' shop, Gun Carriage Factory.	6,245
	Do. ...	Do. ...	8	Extra accommodation as store-room in the Gun Carriage Factory.	...
	...	...	9	Minor works under Ordnance ...	...
(3) *Commissariat buildings.*	West Coast.	Calicut ...	10	Sheds for transport animals ...	7,790
(8) *Fortifications.*	Do. ...	Cannanore ...	11	Converting the Cannanore Fort into a defensible post.	6,450
	North Arcot.	Vellore ...	12	Constructing a draw-bridge and gate for the fort.	5,555
	Presidency.	Bangalore ...	13	Constructing a fire-engine shed and guard-room in the Agram entrenchment.	...
			14	Reserve with the Government for incomplete major works.	...
			15	Minor works	...
				Total ...	...

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I—*cont.*

ORIGINAL WORKS FOR THE YEAR 1888-89.

WORKS.

Outlay.		Grant, 1888-89.			Item No.	Remarks and References.
Actual to end of 1886-87.	Probable during 1887-88.	Works in progress.	Works not commenced.	Total.		
Rs.	Rs.	Rs.	Rs.	Rs.		
...	...	...	6,500		1	Estimate under revision. Item No. 2, class B works, budget of 1887-88.
...	...	...	20,000		2	G.O., No. 405 W., dated 19th February 1879.
...	...	...	4,158		3	G.O., No. 423 W., dated 6th February 1888.
...	...	...	3,000		4	Estimate is awaited. Item No. 39, class C works, budget of 1887-88.
...	6,858	22,650	...		5	Estimate is awaited.
...	...	...	41,625		6	Do.
...	...	...	10,000		7	Do.
...	...	...	4,105		8	G.O., No. 2946 W., dated 5th November 1887.
...	...	...	9,570		9	
...	...	...	3,310		10	Estimate is awaited. Item No. 46, class C works, budget of 1887-88.
4,347	...	3,064	...		11	G.O., No. 3274 W., dated 1st December 1887.
...	...	...	6,450		12	G.O., No. 528 W., dated 7th March 1885. Item No. 11, class B works, budget of 1887-88.
...	...	...	5,555		13	G.O., No. 536 W., dated 16th February 1888.
...	...	15,973	...		14	
...	...	...	20,000		15	
...	...	41,687	1,34,273	1,75,960		

APPENDIX

LIST OF WORKS (OR CLASS C WORKS) OMITTED FROM THE BUDGET-ESTIMATE OF 1888-89, BUT ON CLASS B

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.
					Rs.
				IMPERIAL ORDINARY.	
				Military.	
				Original Works.	
(1) *Accommodation for troops*— Buildings for European troops in the plains. Permanent.	Bellary ...	Bellary ...	1	Infectious disease ward, cook-house and station hospital.	6,140
	Do. ...	Do. ...	2	Alterations and additions to Military prison and adjoining buildings.	...
	Do. ...	Do. ...	3	Swimming-bath, British Infantry.	7,644
	Do. ...	Do. ...	4	Armourer's shop, 2nd Light Cavalry.	2,695
	Do. ...	Do. ...	5	Quarters for the Bandmaster, British Infantry.	...
	Do. ...	Do. ...	6	Quarters for Schoolmaster, British Infantry Regiment.	...
	Do. ...	Do. ...	7	Quarters for Schoolmistress, British Infantry Regiment.	...
	Nilgiri ...	Wellington ...	8	Gymnasium, 2nd Royal Fusiliers.	...
	West Coast.	Calicut ...	9	A new barrack with subsidiary buildings for 30 men.	...
	Chingleput	Poonamallee...	10	Improving the old barracks ...	...
	Do. ...	Do. ...	11	Warrant Officers' quarters ...	...
	Do. ...	Do. ...	12	Two Staff Sergeants' quarters, first class.	...
	Do. ...	Do. ...	13	Coffee shop	...
	Do. ...	Pallávaram ...	14	One mortuary room for each of the three hospitals, Nos. 1 to 3.	5,660
	Do. ...	St. Thomas' Mount.	15	A wheeler and collar maker's shop for the West barracks.	5,450
	Do. ...	Do. ...	16	Sergeants' mess for East barracks.	...
	Do. ...	Do. ...	17	Quarters for 3 Medical Subordinates attached to the Station Hospital	...
	Do. ...	Do. ...	18	Quarters for head-quarters staff, Royal Artillery.	...
	Do. ...	Do. ...	19	General improvements to the drains of the cantonment.	...

29,06
W

B.

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

Outlay.		Amount applied for 1888-89.			Item No.	Remarks and References.
Actual to end of 1886-87.	Probable during 1887-88.	Works in progress.	Works not commenced.	Total.		
Rs.	Rs.	Rs.	Rs.	Rs.		
...	...	...	6,140		1	G.O., No. 330 W., dated 7th February 1884. Item No. 4, class C works, budget of 1887-88.
...	...	...	11,260		2	Estimate is awaited. Item No. 5, class C works, budget of 1887-88.
...	...	...	7,644		3	G.O., No. 2434 W., dated 19th October 1885. Item No. 3, class C works, budget of 1887-88.
...	...	...	2,695		4	G.O., No. 2266 W., dated 14th September 1881. Item No. 1, class C works, budget of 1887-88.
...	...	...	3,529		5	Estimate is awaited.
...	...	...	2,950		6	Do. do.
...	...	...	2,950		7	Do. do.
...	...	...	10,000		8	Estimate is awaited. Item No. 7, class C works, budget of 1887-88.
...	...	...	20,000		9	Estimate is awaited. Item No. 10, class C works, budget of 1887-88.
...	...	...	5,000		10	Estimate is awaited. Item No. 31, class C works, budget of 1887-88.
...	...	...	3,500		11	Estimate is awaited. Item No. 32, class C works, budget of 1887-88.
...	...	...	6,000		12	Estimate is awaited. Item No. 33, class C works, budget of 1887-88.
...	...	...	9,000		13	Estimate is awaited. Item No. 34, class C works, budget of 1887-88.
...	...	...	3,000		14	Estimate is awaited. Item No. 30, class C works, budget of 1887-88.
...	...	...	5,660		15	G.O., No. 2717 W., dated 3rd November 1884. Item No. 21, class C works, budget of 1887-88.
...	...	...	6,000		16	G.O., No. 1118 W., dated 14th April 1888. Item No. 22, class C works, budget of 1887-88.
...	...	...	8,000		17	Estimate is awaited. Item No. 24, class C works, budget of 1887-88.
...	...	...	12,000		18	Estimate is awaited. Item No. 25, class C works, budget of 1887-88.
...	...	...	10,000		19	Estimate is awaited. Item No. 23, class C works, budget of 1887-88.

IMPERIAL.
MILITARY WORKS.

APPENDIX

LIST OF WORKS (OR CLASS C WORKS) OMITTED FROM THE BUDGET-ESTIMATE OF 1888-89, BUT ON CLASS B

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.
					Rs.
				Brought forward ...	
				IMPERIAL ORDINARY—*cont.*	
				Military—*cont.*	
				Original Works—cont.	
(1) *Accommodation for troops*—Buildings for European troops in the plains. Permanent.	Chingleput.	St. Thomas' Mount.	20	Battery office for P/1st Royal Artillery, East barracks.	...
	Do. ...	Do. ...	21	Raising the roof of harness room, troop lines.	4,200
	Do. ...	Do. ...	22	Converting the disused gun-shed between the north barracks and main guard into a coffee shop, recreation room and library.	2,520
	Presidency.	Fort St. George.	23	Remodelling the drainage ...	...
	Do. ...	Do. ...	24	Sundry works in connection with extra accommodation, British Infantry and Royal Artillery.	...
	Do. ...	Do. ...	25	Repairs to floors of B, C and D blocks family quarters.	...
	Do. ...	Do. ...	26	Construction of coach houses and stables for the use of officers.	...
	Do. ...	Do. ...	27	Constructing two solitary cells in the Military prison.	...
	Do. ...	Bangalore ...	28	Quarters for Schoolmaster and Schoolmistress, Royal Artillery.	10,240
	Do. ...	Do. ...	29	New orderly room, or conversion of Quartermaster's stores into orderly room and stores, 12th Lancers.	...
	Do. ...	Do. ...	30	Battery office for Royal Horse Artillery.	...
	Do. ...	Do. ...	31	Buildings for wheeler's shop, Royal Artillery.	...
	Do. ...	Do. ...	32	Drainage of Royal Horse Artillery grass-cutters' lines at Ulsoor and preventing the fouling of the adjacent nullah.	...
	Do. ...	Do. ...	33	Drainage, British Infantry barracks	...
	Do. ...	Do. ...	34	Quarters for Senior Apothecary North Station hospital.	5,300

MADRAS

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B—*cont.*

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

Outlay.		Amount applied for 1888-89.			Item No.	Remarks and References.
Actual to end of 1886-87.	Probable during 1887-88.	Works in progress.	Works not commenced.	Total.		
Rs.	Rs.	Rs.	Rs.	Rs.		
...	...	...	5,000		20	Estimate is awaited. Item No. 26, class C works, budget of 1887-88.
...	...	...	4,200		21	G.O., No. 3137 W., dated 17th December 1881. Item No. 27, class C works, budget of 1887-88.
...	...	...	2,520		22	G.O., No. 1234 W., dated 28th May 1885. Item No. 29, class C works, budget of 1887-88.
...	...	...	10,000		23	Estimate is awaited. Item No. 14, class C works, budget of 1887-88.
...	...	...	20,000		24	Estimate is awaited.
...	...	...	10,070		25	Do. do.
...	...	...	15,770		26	Estimate is awaited. Item No. 15, class C works, budget of 1887-88.
...	...	...	2,800		27	Estimate is awaited.
...	...	...	10,240		28	G.O., No. 2884 W., dated 20th September 1886. Item No. 17, class C works, budget of 1887-88.
...	...	...	6,500		29	Estimate is awaited. Item No. 18, class C works, budget of 1887-88.
...	...	...	3,700		30	Estimate is awaited. C.R.O. 8919/88.
...	...	...	3,100		31	Do. do.
...	...	...	2,846		32	Do. do.
...	...	...	8,000		33	Do. do.
...	...	...	5,300		34	G.O., No. 3385 W., dated 27th November 1883. Item No. 19, class C works, budget of 1887-88.

IMPERIAL.
MILITARY WORKS.

APPENDIX

LIST OF WORKS (OR CLASS C WORKS) OMITTED FROM THE BUDGET-ESTIMATE OF 1888-89, BUT ON CLASS B

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.
					Rs.
				Brought forward ...	...
				IMPERIAL ORDINARY—*cont.*	
				MILITARY—*cont.*	
				Original Works—cont.	
(1) *Accommodation for troops*— Buildings for European troops in the plains. Permanent Accommodation for Native troops.	Presidency.	Bangalore ...	35	Quarters for the Assistant Apothecary, North Station hospital.	4,773
	Vizagapatam.	Vizianagram.	36	Regimental store-room for Native Infantry, including storage for camp equipage.	3,480
	Bellary ...	Bellary ...	37	School-house for Native Infantry Regiment.	3,030
	West Coast.	Mangalore ...	38	Providing drains for the lines of Native Infantry.	...
	Chingleput.	Pallávaram ...	39	Magazine for Madras Infantry Regiment on standard plan.	4,900
	Do. ...	Do. ...	40	Armourer's shop for Madras Infantry Regiment.	2,880
	Presidency.	Bangalore ...	41	Public buildings for a regiment of Native Infantry.	30,990
	Do. ...	Madras ...	42	Flushing drains of Native Infantry lines at Rayapuram.	4,300
	Trichinopoly.	Trichinopoly.	43	Store-rooms and workshop, &c., for four Pioneers.	...
(2) *Ordnance Works* ...	Bellary ...	Bellary ...	44	Constructing six double quarters for the Staff Sergeants attached to the Ordnance Department.	42,420
	Presidency.	Fort St. George.	45	Magazines	...
	Do. ...	Madras ...	46	Providing sun-shades to doors and windows in the Ordnance Lines.	4,160
	Do. ...	Do. ...	47	Shed for the camp equipage ...	6,935
	Chingleput.	St. Thomas' Mount.	48	Wooden-shed at the proof range.	2,820
(3) *Commissariat Buildings.*	Nilgiri ...	Wellington ...	49	Quarters for three Hospital Purveyors.	4,750

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B—*cont.*

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

Outlay.		Amount applied for 1888-89.			Item No.	Remarks and References.
Actual to end of 1886-87.	Probable during 1887-88.	Works in progress.	Works not commenced.	Total.		
Rs.	Rs.	Rs.	Rs.	Rs.		
...	...	...	4,773		35	G.O., No. 958 W., dated 5th April 1884. Item No. 20, class C works, budget of 1887-88.
...	...	...	3,480		36	G.O., No. 2628 W., dated 27th October 1884. Item No. 35, class C works, budget of 1887-88.
...	...	...	3,030		37	G.O., No. 149 W., dated 17th January 1884. Item No. 31, class C works, budget of 1887-88.
...	...	...	11,710		38	Estimate is awaited. Item No. 38, class C works, budget of 1887-88.
...	...	...	4,500		39	G.O., No. 334 W., dated 8th February 1886. Item No. 41, class C works, budget of 1887-88.
...	...	...	2,880		40	G.O., No. 3149 W., dated 22nd December 1884. Item No. 42, class C works, budget of 1887-88.
...	...	...	15,000		41	G.O., No. 1302 W., dated 25th May 1886. Item No. 6, class B works, budget of 1887-88.
...	...	...	4,300		42	G.O., No. 1397 W., dated 4th June 1884. Item No. 40, class C works, budget of 1887-88.
...	...	...	4,900		43	Estimate is awaited. Item No. 43, class C works, budget of 1887-88.
...	...	...	10,000		44	G.O., No. 1650 W., dated 18th June 1887. Item No. 8, class B works, budget of 1887-88.
...	...	...	33,000		45	Estimate is awaited. Item No. 9, class B works, budget of 1887-88.
...	...	...	4,160		46	G.O., No. 2243 W., dated 22nd August 1887.
...	...	...	6,935		47	G.O., No. 2558 W., dated 27th September 1887. Item No. 51, class C works, budget of 1887-88.
...	...	...	2,820		48	G.O., No. 3077 W., dated 18th December 1884.
...	...	...	4,500		49	G.O., No. 615 W., dated 21st February 1888.

2906/13

APPENDIX

LIST OF WORKS (OR CLASS C WORKS) OMITTED FROM THE BUDGET-ESTIMATE OF 1888-89, BUT ON CLASS B

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.
					Rs.
				Brought forward ...	
				IMPERIAL ORDINARY—*concld.*	
				MILITARY—*concld.*	
				Original Works—concld.	
(3) *Commissariat Buildings.*	West Coast.	Malapuram ...	50	Cattle shed for the Commissariat Department.	...
	Do. ...	Quilon ...	51	Armourer's shop	...
	Chingleput.	Guindy ...	52	Quarters for Station Butcher attached to slaughter-house.	5,800
	Presidency.	Bangalore ...	53	Quarters for a Conductor, Transport Department.	...
	Do. ...	Do. ...	54	Quarters for an Ap[illegible]liance Sergeant near Cattle lines, Transport Department.	...
	Do. ...	Madras ...	55	Workshops and sheds for carts, doolies, &c., Transport Department.	...
	Do. ...	Do. ...	56	Quarters for a Conductor, Commissariat Department.	...
	Do. ...	Teynampet ...	57	Constructing a wheat godown ...	...
(8) *Fortifications* ...	West Coast.	Malapuram ...	58	Constructing a fortified post ...	5,248
	Presidency.	Fort St. George	59	Demolition of Wallajah ravelin and two lunettes.	...
	Do. ...	Do. ...	60	Constructing a draw-bridge at north gate.	...
	Do. ...	Do. ...	61	Demolition of out-houses, clearance of ditch and completion of walls.	...
			62	Water-supply, Lawrence Asylum...	...
(4) *Staff and Miscellaneous.*	Nilgiri ...	Ootacamund.			

B—*concld.*

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

Outlay.		Amount applied for 1888-89.			Item No.	Remarks and References.
Actual to end of 1886-87.	Probable during 1887-88.	Works in progress.	Works not commenced.	Total.		
Rs.	Rs.	Rs.	Rs.	Rs.		
...	...	...	4,000		50	Estimate is awaited.
...	...	...	2,600		51	Estimate is awaited.
...	...	...	4,740		52	Estimate is awaited. Item No. 53, class C works, budget of 1887-88.
...	...	...	5,800		53	G.O., No. 992 W., dated 16th April 1886. Item No. 47, class C works, budget of 1887-88.
...	...	...	3,000		54	Estimate is awaited. Item No. 48, class C works, budget of 1887-88.
...	...	...	40,630		55	Estimate is awaited. Item No. 49, class C works, budget of 1887-88.
...	...	...	4,000		56	Estimate is awaited.
...	...	...	5,950		57	Estimate is awaited. Item No. 52, class C works, budget of 1887-88.
...	...	...	5,000		58	G.O., No. 3114 W., dated 18th November 1887. Item No. 55, class C works, budget of 1887-88.
...	...	...	7,426		59	Estimate is awaited. Item No. 57, class C works, budget of 1887-88.
...	...	...	2,680		60	Estimate is awaited. Item No. 58, class C works, budget of 1887-88.
...	...	...	10,000		61	Estimate is awaited.
...	...	...	7,000		62	Estimate is awaited. Item No. 54, class C works, budget of 1887-88.

Quarter Master General's Office,

Ootacamund, 1st September 1888.

Barracks and Buildings.
Estimates.

No. 3163. A

2906/14

From

Brigadier-General M. PROTHEROE, C.B., C.S.I.

Quarter Master General,

To

The SECRETARY TO GOVERNMENT,

Military Department.

Sir,

I have the honor, by order, to forward for sanction and transfer to the Public Works Department for disposal, the estimate, plan, &c., below-mentioned which have been approved by the Commander-in-Chief. The plan and estimate have been countersigned.

Estimate amounting to Rs: 6680 for constructing a Battery Office for the Royal Horse Artillery at Bangalore with Specification and Plan.

I have the honor to be,
Sir.
Your obedt servant,

M Protheroe
Brigt Genl
Quarter Master Genl.

G. O. 1200 W. 23.4.88

CWC № 8919

MILITARY (1888.) DEPARTMENT.

No. 6477

№ 6005 Approved and transferred to the Public Works Department for disposal.

(Byrden)

A. Kenney Herbert. Br Genl
Secretary to Government

Ootacamund
3rd Septr 1888

From

THE QUARTER MASTER GENERAL,

OOTACAMUND,

To

THE SECRETARY TO GOVERNMENT,

MILITARY DEPARTMENT.

Dated 1st
Received 3rd } September.

R 6.9.88

No. 3163 A.

Enclosures 5
(+1 Plan)

Forwards for sanction and transfer to the Public Works Department for disposal, plan and estimate for construct. a Sig: Office for the R. H. A. at Bangalore.

2206/16

Public Works Department.

Current No. 8919
Letter No. 6005
Dated 3rd September 1888
From the Secy to Govt: Milly: Dept:

Sanction recm
7.9.88

NOTE OF REMARKS.

The estimate under review amounting to Rs 3180 provides for Constructing a Battery & Office for the Royal Horse Artillery at Bangalore.

The accommodation proposed is as follows

Office Room — 24×21
Officers do — 21×12
Battn do — 10×6

With a verandah 6' in width on three sides.

The foundation and basement are to be built with 2nd coarse Cannon rubble the former will be 3 feet deep and the latter 2 ft high. The walls are to be constructed with 1st class cement

carried up to a height of 2o ft. the returned is to be painted and the interior plastered with 2 coats of Flora lime.

The flooring will be of stone laid on 4" of Concrete & pointed with portland Cement Except the bath room which is to be floored with asphalte $\frac{3}{4}$" thick laid on 4" of Concrete.

The roof is to be constructed with two trusses with one purlin on principal rafters, purlin & ridge piece are to be of teak & and will be covered with Mangalore tiles.

The doors and windows are to be made of teak timber.

The roof timbers are to be wood oiled 2 coats and the doors and windows are to be painted 2 coats with Chocolate colored paint.

260 Rft of 1' Shaped drain is provided to carry off the drainage. The eaves are fair, and

The Est: has been considered by the Ch. Engr. and approved by Govt and the Mily: Deptt:-

Engr
7/6/1888

Public Works Department.

2306

17

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the

Read the following

From the Deputy Quarter Master General H.E. No. 3163 A & 1st September 1888.

Endt. in the Military Deptt. No. 6005 a/3rd September 1888.

The estimate amounting to Rs. 5680 for constructing a battery office for the Royal Horse Artillery at Bangalore is sanctioned for execution when funds are available.

2 This sanction has been regulated as Imperial No. 36. Rs. of 1888-89 and classified as Military Works.

WCB
10.9.88

3. The S.E.T. Circle with 4 enclosures.

4. Examiner P.W. Accts with the disp: abstracts.

5. Military Department.

Jm
11/9/88

Cr

Govt. of {1888} Madras.

PUBLIC WORKS.

1879

Dated

Read. Read.

G.O. 17 Septr 1888, No. 2706 W

Battery Wpice for the
Royal Horse artillery
=
at Bangalore
=
Estr for construction &
sanctioned.

20/37

20/5

Estr 1879