(1) பக்கங்களின் எண்ணிக்கை 58

(2) புதுக்கித் திருப்பிய நாள் 8/88

(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம்

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

நிதித் துறை

அரசாணை எண்.
மு. கோப்புத் தாள் எண். 3667

அச்சகம்
பல்வகை

நாள் : 21-11-1888

498

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

ஆணை. கா-1—18,000—15-6-87.

A. Vallavi

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

Read—the following papers:—

From Brigadier-General E. FAUNCE, Quartermaster-General, to the Secretary to Government, Military Department, dated Ootacamund, 18th August 1887, No. 2915 A.

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

Abstract and detailed estimates, amounting to Rs. 40,680, for constructing sheds for bullocks, carts and trollies of the Commissariat Department on the Pudupet maidan at Madras, with plan and specification.

2. The work is included in the schedule of requirements for 1887-88, item 50, class C—*vide* G.O., No. 1160 W., of 28th April 1887, M.D. No. 2867 of 16th May 1887.

No. 5089, Military.

Approved and transferred to the Public Works Department for disposal.

(By order.)

Ootacamund, 19th August 1887. (Signed) A. KENNEY-HERBERT, Brigdr.-Genl., Secretary to Government.

From Colonel H. M. VIBART, R.E., Superintending Engineer, V Circle, to the Chief Engineer, Public Works Department, dated Bangalore, 14th April 1888, No. 132.

In returning the enclosures of your memorandum No. 3005 C., dated 7th September 1887, I have the honor to forward a plan of the Pudupet plain showing the sites of the existing buildings thereon, the site proposed for the sheds for the Commissariat Transport Department, and information with respect to the drainage of the existing and proposed buildings.

2. The buildings colored Indian ink and the drains marked with the letter *a* are those now existing. The buildings colored yellow and the drains not marked with the letter *a* are those proposed to be built.

The part marked *x* is the highest part of the plain from which the ground falls to the north and south. The drainage northwards supplies two ponds which surplus into a municipal drain running into the Cooum. The drainage from the Ophthalmic hospital skirts the Pudupet plain by the side of Marshall's road and discharges into the Cooum.

A general abstract estimate for the proposed work is enclosed.

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1888} Madras.

PUBLIC WORKS.

Dated November, 21st.

Read. *Encl.*

G.O., 21st Nov. 1888, No. 3667 W.

NOVEMBER.

Sheds

Estimate for — for bullocks, carts and trollies of the Commissariat Department on the Pudupet maidan at Madras, sanctioned.

3667

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers :—

From Brigadier-General R. C. STEWART, Quartermaster-General, to the Secretary to Government, Military Department, dated Ootacamund, 26th August 1884, No. 1029 A :—

With reference to G.O. dated 27th June 1884, No. 1623 W., Public Works, 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.

1. Plan and estimate, amounting to Rs. 11,360, for constructing new mule stables for the transport branch, Commissariat Department, on the Pudupet maidan, Madras.
2. The plan and estimate have been approved by the Commissary-General.

No. 4165, Military.

Approved and transferred to the Public Works Department for disposal.

OOTACAMUND, 27th August 1884. (Signed) A. R. KENNEY-HERBERT, Lieut.-Col., Offg. Secretary to Government.

G.O., dated 14th March 1885, No. 1345, Military.

ORDER—dated 20th March 1885, No. 703 W., Public Works.

The estimate, amounting to Rs. 11,360, for constructing stables on the Pudupet plain, Madras, for mules of the transport branch, Commissariat Department, is sanctioned.

2. The work has been included in the general revised estimate for the combined post and telegraph office, Madras, sanctioned in G.O. No. 600 W., dated 13th March 1885, and funds will be provided for it under Postal, in the Imperial Other Services budget for 1885-86. In accordance with G.O. No. 1623 W., dated 27th June 1884, the stables will be constructed by the Executive Engineer, Presidency division, who will complete the work as speedily as possible, in order that the existing mule lines on the beach may be vacated without delay and handed over to the Consulting Architect to Government for conversion into service stables for the post office.

3. This sanction has been registered as Imperial Other Services No. 71 W. of 1884-85, and classified as Civil Buildings, Original Works.

(True Extract.)

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

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

Exd. E. Fernandez.

Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of 1885 Madras.

PUBLIC WORKS.

Dated March, 20th.

Read. *Encl.*

G.O., 20th March 1885, No. 703 W.

MARCH.

Mule Stables

Estimate, amounting to Rs. 11,360, for constructing — on the Pudupet plain, Madras, sanctioned with remarks.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following letter from Brigadier-General R. C. STEWART, Quartermaster-General, to the Secretary to Government, Military Department, dated Ootacamund, 7th January 1886, No. 51 A:—

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

Estimates, amounting to Rs. 3,688, for constructing store-room, workshop, and latrine to be attached to the mules stables on the Pudupet maidan, Madras.

2. As the work is of a very urgent nature, the early sanction of Government is solicited.

No. 211, Military.

Approved and transferred to the Public Works Department for disposal.

(By Order.)

FORT ST. GEORGE,
9th January 1886.

(Signed) A. R. KENNEY-HERBERT, Lieut.-Col.,
Secretary to Government.

ORDER—dated 16th January 1886, No. 134 W., Public Works.

The estimates, aggregating Rs. 3,688, for constructing a store-room, workshop, and latrine, to be attached to the mules stables constructed on the Pudupet plain, Madras, are sanctioned as supplemental to the estimate of Rs. 11,360 sanctioned in G.O., No. 703 W., dated 20th March 1885. The total sanction for the work will now stand at Rs. 15,048, which is Rs. 403 in excess of the provision made for the purpose in the general estimate sanctioned in G.O., No. 600 W., dated 13th March 1885. The excess is small, and the Superintending Engineer should adopt measures to complete the work within the provision in the general estimate approved by the Government of India.

2. The current year's grant for the new post office, Madras, which includes provision for the mules stables, is Rs. 32,790.

3. The sanction accorded in paragraph 1 of these proceedings has been registered as Imperial, Civil Buildings, Roads and Services, No. 55 W. of 1885-86.

(True Extract.)

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

To the Superintending Engineer, V Circle, with four enclosures.
" Examiner, Public Works Accounts, with the general abstract estimate.
" Consulting Architect to Government.
" Military Department.

Exd. E. Fernandez.

Spare Copies.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of [1886] Madras.

PUBLIC WORKS.

—

Dated January, 1886.

Read. *Encl.*

G.O., 16th Jan. 1886, No. 134 W.

JANUARY.

Mules Stables on the Pudupet Plain, Madras

Estimate for a store-room, workshop, and latrine at the —, sanctioned.

GOVERNMENT OF MADRAS.

MILITARY DEPARTMENT.

15th June 1887, No. 3516.

Military Buildings—Commissariat.

Read the following papers :—

No. 182. *From Colonel J. C. GUNNING, Officiating Commissary-General, to Brigadier-General A. KENNEY-HERBERT, Secretary to Government, Military Department; dated Madras, 28th April* 1887, *No.* 243-*TB.*

In the schedule of the probable requirements of the Madras Presidency on account of Military Works for 1887-88 appended to Proceedings of Government (Public Works Department), No. 2497-W, dated 25th September 1886, a sum of Rs. 48,000 is entered on account of lines for transport attendants on the Pudupett plain at Madras.

2. I am informed, however, by the Superintending Engineer, V Circle, that no provision has been made in the preliminary budget of Military Works for 1887-88 for the construction of the said lines and that he has prepared no estimate for the work, being under the impression that the lines were being constructed under departmental arrangements.

3. It is true that, under Proceedings of Government, Military Department, No. 2111, dated 2nd April 1886, a special allowance of Rs. 3 per head (amounting to Rs. 531) was granted to the attendants for the construction of huts under Clause (*b*), Para. 220, Army Regulations, India, Vol. V, but this sum has proved to be utterly inadequate for the purpose and was asked for on the mistaken assumption that the men would construct their own huts and that no hired labor would be required. This expectation has not been realized, as the men are so hard-worked that they never have a day off and they have no time to devote to the building of their houses, and, consequently, only seven have yet been built, these seven being made of sun-burnt bricks and mud which must soon perish.

4. The proposed object, viz., to provide the attendants with huts in the vicinity of the cattle lines is thus as far off as ever, and the men have consequently to do their work under very great difficulties, living, as they still have to do, in the old cattle lines, some three or four miles from the new ones.

5. The only way out of the difficulty is to have the lines built by contract, and as the sum allotted (Rs. 48,000) is a very large one and is never likely to be made available, I have the honor to request that Government will be pleased to place Rs. 20,000 at my disposal for the required purpose. With this sum I should be able to build (by contract) good substantial lines, with kiln bricks and tiles, which would last for years. I have made inquiries, and find that each house can be built for a little over Rs. 100, and 178 houses are wanted in all.

6. I submit this proposition with reluctance, knowing how many urgent calls the Government have to meet out of limited funds; but I think the claim I put forward is a very legitimate one as the transport work of the Eastern District cannot be carried on properly while the men are located so far from their cattle, and the

fact of their being so located is owing to the action of Government in transferring to the Postal Department the transport stables on the beach, within a short distance of which the transport attendants have been hutted for generations.

No. 183. *From Colonel H. G. SAUNDERS, for Controller of Military Accounts, to Brigadier-General A. KENNEY-HERBERT, Secretary to Government, Military Department; dated 7th May* 1887, *B.*

Forwarded. Attached is a further communication * from the Commissary-General proposing that the required sum should be met from the Public Works Department budget, in which case the application falls to be considered by Government in that department.

* No 322-TB, of 5th May 1887.

From Colonel C. HAYTER, for Officiating Commissary-General, to the Controller of Military Accounts; dated Madras, 5th May 1887, No. 322-TB.

In reply to your letter No. 457, dated 2nd May 1887, I have the honor to state that I would propose that the required sum should be met from the Public Works Department budget as the sum of Rs. 48,000 is entered on account of lines for transport attendants in the schedule appended to Proceedings of Government in the Department Public Works No. 2497-W of 25th September 1886.

No. 2717.

Transferred to the Public Works Department for favorable consideration.

(By Order.)

OOTACAMUND, *10th May* 1887. (Signed) A. KENNEY-HERBERT, Brigdr.-Genl., *Secretary to Government.*

No. 124-D.

Referred to the Quarter Master General for favor of the opinion of His Excellency the Commander-in-Chief, whether, in the circumstances stated by the Commissary-General, the required amount may be transferred from any of the Class "B" works in the final issue of the Military budget.

(Signed) J. O. HASTED, Col., R.E., *Secretary to Government, P.W.D.*

18th May 1887.

No. 184. *From Brigadier-General E. FAUNCE, Quarter Master General, Madras Army, to the Secretary to Government, Public Works Department; dated Ootacamund, 25th May* 1887, *No.* 1928-*A.*

In returning the papers received under your No. 124-D of 18th instant, relative to the transfer of a sum of Rs. 20,000 from any of the Class B works in the current year's budget towards the construction of lines for transport attendants on the Pudupett Maidan at Madras, I am directed to express the Commander-in-Chief's regret that he cannot recommend an alienation of funds from any of the Class "B" works this year, and to remark that as funds for the construction of lines for the accommodation of Native troops are not as a rule provided in the Public Works Department, it would seem undesirable that the cost of hutting transport followers should be met in that department.

No. 162-D.

Forwarded to the Military Department, with advertence to its endorsement No. 2717, dated 10th May 1887, herewith returned, with enclosures.

2. There is no other head in the Military Works budget from which the large sum asked for by the Commissary-General can be provided.

OOTACAMUND, *27th May* 1887. (Signed) J. O. HASTED, Col., R.E., *Secretary to Government, P.W.D.*

No. 185. ORDER THEREON, 15th June 1887, No. 3516.

The reply of the Public Works Department communicated to the Commissary-General and the Controller of Military Accounts.

(True Extract.)

(Signed) A. KENNEY-HERBERT, Brigdr.-Genl., *Secretary to Government.*

To the Commissary-General.
" Controller of Military Accounts.
" Public Works Department.

Exd. E. C. Shunker.

Govt. of [1887] Madras.

MILITARY.

To THE COMMISSARY-GENERAL,
&c., &c., &c.

Dated June, 15th.

Issued

Recd. *Encl.*

G.O., 15th June 1887, No. 3516.

Fo 1761 W of 15th Jn Copy 1887

JUNE.
Nos. 182—185.

Communicated to the
S.E.V. Circle for information
Sgd/ J.O.H
W

S.E.V.C

Military Buildings—Commissariat.

Lines at Pudupett.—Intimation from the Public Works Department that no funds are available for the construction of — for transport attendants.

FINAL ISSUE.

IMPERIAL.
MILITARY WORKS.

MADRAS.

PUBLIC WORKS DEPARTMENT.

IMPERIAL BUDGET-ESTIMATE

OF

MILITARY WORKS

OF THE

GOVERNMENT OF MADRAS

FOR THE YEAR

1887-88.

CHEPÂK,
28th April 1887.

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

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Ditto ditto Class B	6 & 7
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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 1887 TO 31st MARCH 1888.

	Budget-Estimate, 1887-88.	Revised Estimate, 1886-87.	Budget-Estimate, 1886-87.	Actuals, 1885-86.
	Rs.	Rs.	Rs.	Rs.
In Public Works Department	25,000	16,000	30,000	25,881
In Civil and Military Departments	...	...	...	...
Total ...	25,000	16,000	30,000	25,881

CHARGES.

ABSTRACT OF THE BUDGET-ESTIMATE OF EXPENDITURE OF THE PUBLIC WORKS DEPARTMENT FROM MILITARY WORKS IN MADRAS FOR THE YEAR FROM 1st APRIL 1887 TO 31st MARCH 1888.

	Reference to Detailed Estimate.	Budget-Estimate, 1887-88.	Revised Estimate, 1886-87.	Budget-Estimate, 1886-87.	Actuals, 1885-86.
		Rs.	Rs.	Rs.	Rs.
Original Works. — In progress		41,060	1,85,200	2,08,035	1,85,232
Original Works. — Not commenced.	...	1,01,540			
Repairs ... ... — Ordinary ...	...	3,00,000	3,17,700	3,10,465	1,73,187
Repairs ... ... — Special ...	...	...			
Establishment	...	1,03,000	1,07,500	1,20,700	83,263
Tools and Plant	...	4,400	5,000	5,400	3,563
Suspense Account	...	...	...	...	...
Total ...	...	5,50,000	6,25,400	6,44,400	4,45,245

IMPERIAL.
MILITARY WORKS.

MADRAS.

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

	Budget-Estimate, 1887-88.									Revised Estimate, 1886-87.	Budget-Estimate, 1886-87.	Actuals, 1885-86.
	Original Works.			Repairs.	Establishment.	Tools and Plant.	Suspense Account.	Barrack Department.	Total.			
	In progress.	Not commenced.	Total.									
Provision from Imperial Funds.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
In India ...	41,060	1,01,540	1,42,600	3,00,000	1,03,000	4,400	...	...	5,50,000	6,25,400	6,44,400	4,45,245
In England.	...	...	...	...	...	...	...	...	...	—2,000	...	— 236
Total ..	41,060	1,01,540	1,42,600	3,00,000	1,03,000	4,400	...	...	5,50,000	6,23,400	6,44,400	4,45,009
Provision from Contributions In India ...	...	...	...	...	...	...	...	...	...	...	...	— 72
Grand Total.	41,060	1,01,540	1,42,600	3,00,000	1,03,000	4,400	...	...	5,50,000	6,23,400	6,44,400	4,45,081

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

	Budget-Estimate, 1887-88.						Revised Estimate, 1886-87.	Budget-Estimate, 1886-87.	Actuals, 1885-86.
	Original Works.			Tools and Plant	Suspense Account.	Total.			
	In progress.	Not commenced.	Total.						
							Rs.		Rs.
	...	...	...	...	...	...	2,000	...	236
Total ...	...	...	...	...	...	...	2,000	...	236

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 Madras Presidency.	West Coast.	Malapuram ...	1	Barracks for a detachment of British Infantry to accommodate 50 additional men.	1,35,892
Accommodation for Native troops.	Presidency.	Bangalore ...	2	Public buildings for a regiment of Native infantry.	21,636
	Trichinopoly.	Trichinopoly.	3	Construction of stone drains required for new lines.	...
				Total ..	...

I.

ORIGINAL WORKS FOR THE YEAR 1887-88.

WORKS.

Outlay.		Grant, 1887-88.			Item No.	Remarks and References.
Actual to end of 1885-86.	Probable during 1886-87.	Works in progress.	Works not commenced.	Total.		
Rs.	Rs.	Rs.	Rs.	Rs.		
1,14,981	8,315	11,000	...	11,000	1	G.O., No. 2305 W., dated 13th September 1886; No. 560 W., dated 24th February 1887. Item No. 1, class A works, budget of 1886-87. Supplemental estimate for Rs. 38,940 forwarded to the Government of India for sanction.
...	15,000	6,636	...		2	G.O., No. 2952 W., dated 29th November 1884. Item No. 11, class B works, budget of 1886-87.
...	1,000	5,140	...		3	Estimate is awaited. Item No. 13, class B works, budget of 1886-87.
				11,776		
...	...	22,776	...	22,776		

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.	Bellary ...	Bellary ...	1	Collar maker and wheeler's shop, Royal Artillery.	5,663
	Nilgiri ...	Wellington ...	2	Quarters for three Apothecaries ...	...
	Do. ...	Do. ...	3	Quarters for a Barrack Serjeant ...	7,348
	Presidency.	Fort St. George	4	Converting a racquet court into a covered gymnasium.	11,890
	Chingleput.	St. Thomas' Mount.	5	Removing and reconstructing 11 cook houses attached to F/1st, and Q/1st, Royal Artillery.	2, 970
Accommodation for Native troops.	Presidency.	Bangalore ...	6	Public buildings for a regiment of Native cavalry.	30,990
	Do. ...	Do. ...	7	Store rooms and workshops for the Pioneer regiment.	4,740
(2) *Ordnance Works* ...	Bellary ...	Bellary ...	8	Twelve Staff Sergeants' quarters, Ordnance Department.	...
	Presidency.	Fort St. George.	9	Adapting the existing magazine for storage of powder for Fort armament.	...
	Do. ...	Madras ...	10	Coal store, Ordnance Department.	...
(3) *Fortifications* ...	North Arcot.	Vellore ..	11	Draw bridge and gate for the Fort	6,450
				Minor Works and Reserve ...	...
				Total ...	...
				Grand Total ...	...

I—*cont.*

ORIGINAL WORKS FOR THE YEAR 1887-88.

WORKS.

OUTLAY.		GRANT, 1887-88.			ITEM No.	REMARKS AND REFERENCES.
Actual to end of 1885-86.	Probable during 1886-87.	Works in progress.	Works not commenced.	Total.		
Rs.	Rs.	Rs.	Rs.	Rs.		
...	1,084	4,579	...		1	G.O., No. 914 W., dated 3rd April 1884. Item No. 3, class C works, budget of 1886-87.
...	...	...	16,000		2	Estimate is awaited.
...	3,213	4,135	...		3	G.O., No. 1941 W., dated 21st August 1885.
2,040	289	9,570	...		4	G.O., No. 1552 W., dated 20th June 1884. Item No. 17, class C works, budget of 1886-87.
...	...	...	2,970	37,254	5	G.O., No. 1111 W., dated 23rd April 1887.
...	...	...	10,000		6	G.O., No. 1302 W., dated 25th May 1886. Item No. 36, class C works, budget of 1886-87.
...	...	...	3,000	13,000	7	G.O., No. 534 W., dated 24th February 1887. Item No. 35, class C works, budget of 1886-87.
...	...	...	10,000		8	Estimate is awaited.
...	...	...	17,000		9	Do. do.
...	...	...	9,000	36,000	10	Do. do.
...	...	...	3,583	3,583	11	G.O., No. 528 W., dated 7th March 1885. Item No. 54, class C works, budget of 1886-87.
...	...	...	29,987	29,987		
...	...	18,284	1,01,540	1,19,824		
...	...	...	...	1,42,600		

APPENDIX

LIST OF WORKS (OR CLASS C WORKS) OMITTED FROM THE BUDGET ESTIMATE OF 1887-88, 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	Armourer's shop, 2nd Light Cavalry.	2,695
	Do. ...	Do. ...	2	A new gun-shed, Royal Artillery.	...
	Do. ...	Do. ...	3	Swimming-bath, British infantry.	7,644
	Do. ...	Do. ...	4	Infectious disease ward and cook-house, Station hospital.	6,140
	Do. ...	Do. ...	5	Alterations and additions to Military prison and adjoining buildings.	...
	Do. ...	Do. ...	6	Armourer's shop for the Arsenal ...	...
	Nilgiri ...	Wellington ...	7	Gymnasium	...
	Do. ...	Do. ...	8	Constructing a new Lock hospital.	...
	Do. ...	Do. ...	9	Accommodation for a mountain battery.	...
	West Coast.	Calicut ...	10	Providing barrack accommodation for 100 men.	...
	Do. ...	Cannanore ...	11	Plunge-bath for European Infantry barracks.	4,640
	Do. ...	Do. ...	12	Improving latrines for European Infantry barracks.	2,780
	Do. ...	Do. ...	13	Improving the roof of regimental guard room, European Infantry barracks.	...
	Presidency.	Fort St. George.	14	Remodelling drainage	...
	Do. ...	Madras ...	15	Constructing coach-houses and stables on the esplanade in front of the Body Guard lines for use of officers in Fort St. George.	...
	Do. ...	Bangalore ...	16	Constructing V drains round the single men's blocks.	10,240
	Do. ...	Do. ...	17	Quarters for schoolmaster and schoolmistress.	

B.

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

Outlay.		Amount applied for 1887-88.			Item No.	Remarks and References.
Actual to end of 1885-86.	Probable during 1886-87.	Works in progress.	Works not commenced.	Total.		
Rs.	Rs.	Rs.	Rs.	Rs.		
...	...	...	2,695		1	G.O., No. 2266 W., dated 14th September 1881. Item No. 6, class C works, budget of 1886-87.
...	...	...	3,979		2	Estimate is awaited.
...	...	...	7,644		3	G.O., No. 2434 W., dated 19th October 1885. Item No. 4, class C works, budget of 1886-87.
...	...	...	6,140		4	G.O., No. 320 W., dated 7th February 1884. Item No. 5, class C works, budget of 1886-87.
...	...	...	11,260		5	Estimate is awaited. Item No. 2, class C works, budget of 1886-87.
...	...	...	4,630		6	Estimate is awaited.
...	...	...	10,000		7	Estimate is awaited. Item No. 7, class C works, budget of 1886-87.
...	...	...	4,180		8	Estimate is awaited. Item No. 9, class C works, budget of 1886-87.
...	...	...	10,000		9	Estimate is awaited.
...	...	...	...		10	Estimate is awaited. Amount not shown by the Military Department.
7	...	...	4,633		11	G.O., No. 418, dated 16th February 1876. Item No. 11, class C works, budget of 1886-87.
...	...	...	2,780		12	G.O., No. 1056 W., dated 4th April 1879. Item No. 12, class C works, budget of 1886-87.
...	...	...	5,060		13	Estimate is awaited.
...	...	...	10,000		14	Estimate is awaited. Item No. 13, class C works, budget of 1886-87.
...	...	...	15,770		15	Estimate is awaited.
...	...	...	7,830		16	Do. do.
...	...	...	10,240		17	G.O., No. 2384 W., dated 20th September 1886. Item No. 19, class C works, budget of 1886-87.

IMPERIAL
MILITARY WORKS.

APPENDIX

LIST OF WORKS (OR CLASS C WORKS) OMITTED FROM THE BUDGET-ESTIMATE OF 1887-88, BUT ON CLASS B WHICH EXPENDITURE MAY BE INCURRED DURING THE YEAR BY RE-APPROPRIATION FROM WORKS—*cont.*

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.	Outlay. Actual to end of 1885-86.	Outlay. Probable during 1886-87.	Amount applied for 1887-88. Works in progress.	Amount applied for 1887-88. Works not commenced.	Amount applied for 1887-88. Total.	Item No.	Remarks and References.
					Rs.	Rs.	Rs.	Rs.	Rs.	Rs.		
				IMPERIAL ORDINARY—*cont.*								
				MILITARY—*cont.*								
				Original Works—cont.								
(1) *Accommodation for troops*—Buildings for European troops in the plains. Permanent.	Presidency.	Bangalore ...	18	New orderly room for 12th Lancers, or conversion of Quartermaster's stores into orderly room and stores.	...	...	...	...	6,500		18	Estimate is awaited.
	Do. ...	Do. ...	19	Quarters for Senior Apothecary, North Station hospital.	5,300	...	...	...	5,300		19	G.O., No. 3385 W., dated 27th November 1883. Item No. 20, class C works, budget of 1886-87.
	Do. ...	Do. ...	20	Quarters for the Assistant Apothecary, North Station hospital.	4,773	...	...	...	4,773		20	G.O., No. 938 W., dated 5th April 1884. Item No. 21, class C works, budget of 1886-87.
	Chingleput.	St. Thomas' Mount.	21	A wheeler and collar maker's shop, West barracks.	5,660	...	...	...	5,660		21	G.O., No. 2717 W., dated 3rd November 1884. Item No. 24, class C works, budget of 1886-87.
	Do. ...	Do. ...	22	Sergeants' Mess for East barracks.	...	...	...	...	6,000		22	Estimate is awaited.
	Do. ...	Do. ...	23	General improvements to the drains of the cantonment.	...	...	...	...	10,000		23	Do. do.
	Do. ...	Do. ...	24	Quarters for three Medical Subordinates, Station hospital.	...	...	...	...	8,000		24	Do. do.
	Do. ...	Do. ...	25	Quarters for head-quarter's staff, Royal Artillery.	...	...	...	...	12,000		25	Do. do.
	Do. ...	Do. ...	26	Battery office for P/1st Royal Artillery.	...	...	...	...	5,000		26	Do. do.
	Do. ...	Do. ...	27	Raising the roof of harness rooms, troop lines.	4,200	...	...	...	4,200		27	G.O., No. 3137 W., dated 17th December 1881. Item No. 25, class C works, budget of 1886-87.
	Do. ...	Do. ...	28	Wooden shed at the proof range ...	2,820	...	...	...	2,820		28	G.O., No. 3077 W., dated 13th December 1884. Item No. 26, class C works, budget of 1886-87.
	Do. ...	Do. ...	29	Converting the disused gun shed between the North barracks and the main guard into a coffee shop, recreation room, and library.	2,520	...	...	...	2,520		29	G.O., No. 1234 W., dated 28th May 1885. Item No. 27, class C works, budget of 1886-87.
	Do. ...	Pallávaram ...	30	One mortuary room for each of the three hospitals, Nos. 1 to 3.	...	...	...	...	3,000		30	Estimate is awaited. Item No. 28, class C works, budget of 1886-87.
	Do. ...	Poonamallee.	31	Improvements to the old barracks with possibility of obviating construction of the new.	...	...	...	...	5,000		31	Estimate is awaited.
	Do. ...	Do. ...	32	Warrant officers' quarters ...	...	...	...	...	3,500		32	Do. do.
	Do. ...	Do. ...	33	Two Staff Sergeants' quarters, first class.	...	...	...	...	6,000		33	Do. do.
	Do. ...	Do. ...	34	Coffee shop	...	...	...	...	9,000		34	Do. do.

APPENDIX

LIST OF WORKS (OR CLASS C WORKS) OMITTED FROM THE BUDGET-ESTIMATE OF 1887-88, BUT ON

CLASS B

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.
					Rs.
				IMPERIAL ORDINARY—*cont.*	
				MILITARY—*cont.*	
				Original Works—cont.	
(1) *Accommodation for troops*— Buildings for Native troops.	Vizagapatam	Vizianagram.	35	Regimental store room for Native infantry, including storage for camp equipage	3,480
	Bellary ...	Bellary ...	36	School-house for the Native Infantry regiment.	3,030
	West Coast.	Quilon ...	37	Sepoy lines	...
	Do. ...	Mangalore ...	38	Providing drains for the lines of the Native infantry.	...
	Presidency.	Madras ..	39	Constructing four latrines, two for males and two for females for Native Infantry lines at Pesambûr.	...
	Do. ...	Do. ...	40	Flushing drains for Native Infantry lines at Râyapuram.	4,300
	Chingleput.	Pallâvaram ...	41	Magazine for a Madras Infantry regiment.	4,900
	Do. ...	Do. ...	42	Armourer's shop for a Madras Infantry regiment.	2,880
(2) *Ordnance Works.*	Trichinopoly.	Trichinopoly.	43	Workshops for a Pioneer regiment.	...
	Presidency.	Madras ...	44	Compound wall round the Gunpowder Factory.	...
	Do. ...	Do. ...	45	Extra accommodation as store-rooms in the Gunpowder Factory.	...
(3) *Commissariat Buildings.*	West Coast.	Calicut ...	46	Mule and Cattle shed ...	...
	Presidency.	Bangalore ..	47	Quarters for a Conductor, Transport Department.	5,800
	Do. ...	Do. ...	48	Quarters for Ambulance Sergeant, near Cattle lines, Transport Department.	...
	Do. ...	Madras ...	49	Lines for transport attendants ...	...
	Do. ...	Do. ...	50	Workshops and sheds for carts, doolies, &c., Transport Department.	...
	Do. ...	Do. ...	51	Construction of a shed at the Camp Equipage Depôt.	...

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

KS—*cont.*

Outlay.		Amount applied for 1887-88.			Item No.	Remarks and References.
of 1885-86.	Probable during 1886-87.	Works in progress.	Works not commenced.	Total.		
Rs.	Rs.	Rs.	Rs.	Rs.		
...	...	...	3,480		35	G.O., No. 2628 W., dated 27th October 1884. Item No. 32, class C works, budget of 1886-87.
...	...	...	3,030		36	G.O., No. 149 W., dated 17th January 1884. Item No. 33, class C works, budget of 1886-87.
...	...	...	20,000		37	Estimate is awaited.
...	...	...	6,030		38	Do. do.
...	...	...	3,000		39	Do. do.
...	...	...	4,300		40	G.O., No. 1397 W., dated 4th June 1884. Item No. 34, class C works, budget of 1886-87.
...	...	...	4,590		41	G.O., No. 334 W., dated 8th February 1886. Item No. 38, class C works, budget of 1886-87.
...	...	...	2,880		42	G.O., No. 3149 W., dated 22nd December 1884. Item No. 29, class C works, budget of 1886-87.
...	...	...	8,000		43	Estimate is awaited.
...	...	...	20,200		44	Estimate is awaited. Item No. 39, class C works, budget of 1886-87.
...	...	...	6,000		45	Estimate is awaited. Item No. 40, class C works, budget of 1886-87.
...	...	...	4,000		46	Estimate is awaited.
...	...	...	5,800		47	G.O., No. 992 W., dated 16th April 1886. Item No. 51, class C works, budget of 1886-87.
...	...	...	3,000		48	Estimate is awaited.
...	...	...	48,000		49	Estimate is awaited. Item No. 49, class C works, budget of 1886-87.
...	...	...	5,500		50	Estimate is awaited. Item No. 50, class C works, budget of 1886-87.
...	...	...	5,300		51	Estimate is awaited. Item No. 48, class C works, budget of 1886-87.
...	...	...	...	...		

APPENDIX

LIST OF WORKS (OR CLASS C WORKS) OMITTED FROM THE BUDGET-ESTIMATE OF 1887-88, BUT ON CLASS B

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.
					Rs.
				IMPERIAL ORDINARY—*concld.*	
				Military—*concld.*	
				Original Works—concld.	
(3) *Commissariat Buildings.*	Presidency.	Teynampet ...	52	Construction of a wheat godown ...	...
	Chingleput.	Guindy ...	53	Quarters for station butchers attached to slaughter-house.	...
(4) *Staff and Miscellaneous.*	Nilgiri ...	Ootacamund.	54	Water-supply, Lawrence Asylum.	...
(8) *Fortifications* ...	West Coast.	Malapuram.	55	Constructing fortifications ...	...
	Presidency.	Fort St. George	56	Facing the *en revête* of Fort St. George with Portland cement.	...
	Do. ...	Do. ...	57	Demolition of Wallajah ravelin and two lunettes.	...
	Do. ...	Do. ...	58	Constructing a draw-bridge to North Gate.	...
				Total ...	

B—*concld.*

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

Outlay.		Amount applied for 1887-88.			Item No.	Remarks and References.
Actual to end of 1885-86.	Probable during 1886-87.	Works in progress.	Works not commenced.	Total.		
Rs.	Rs.	Rs.	Rs.	Rs.		
...	...	...	5,950	...	52	Estimate is awaited. Item No. 46, class C works, budget of 1886-87.
...	...	...	4,730	...	53	Estimate is awaited. Item No. 52, class C works, budget of 1886-87.
...	...	...	7,000	...	54	Estimate is awaited. Item No. 55, class C works, budget of 1886-87.
...	...	...	8,000	...	55	Estimate is awaited.
...	...	...	5,000	...	56	Do. do.
...	...	...	7,426	...	57	Estimate is awaited. Item No. 53, class C works, budget of 1886-87.
...	...	...	2,680	...	58	Estimate is awaited.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

READ—the following papers :—

Extract from the Proceedings of the Government of India, Military Department, dated Fort William, 18th March 1887, No. 607 M-W. (Accounts—Budget Estimate) :—

MADRAS.

Orders on Military Works Budget Estimate for 1887-88, *and Revised Estimate for* 1886-87.

Read—

Military Department Resolution, No. 1672 M-W., dated the 1st November 1886.
Letter, No. 3327-W., dated the 17th December 1886, from Government of Madras.

RESOLUTION.—The estimates of Revenue are accepted for the sums entered in the subjoined table :—

REVENUE.

—	Budget estimate, 1887-88.	Revised estimate, 1886-87.	Budget estimate, 1886-87.	Actuals, 1885-86.
	RS.	RS.	RS.	RS.
In Public Works Department	25,000	16,000	30,000	25,881
Total ...	25,000	16,000	30,000	25,881

EXPENDITURE.

Budget Estimate, 1887-88.

2. The estimate has been prepared for the grant of Rs. 5,50,000 sanctioned in Military Department Resolution, No. 1672 M-W., dated 1st November 1886 ; with reference to paragraph 2 of the letter from the Government of Madras quoted in the preamble, the Government of India regret being unable to provide a larger allotment.

3. The details of part I of the estimate are passed, subject to the following remarks :—

i. *Class A works—Item* 1, *barracks for* 50 *additional men and canteen at Malapuram.*—It has been found desirable to allot only Rs. 11,000 for this work, until it is known what the supplemental estimate includes, what it amounts to, and what prospect there is of the work being vigorously prosecuted. The balance of the grant may be held in reserve by the Madras Government for the present.

ii. *Class B works.*—It is noticed that estimates for items Nos. 2, 6, 7, 8 and 9 have not been prepared and sanctioned. The provision made for items 2 and 6 of the budget seems too high, but the allotments are admitted on the condition that no excess is permitted to take place.

iii. The remaining three items are Ordnance works, but were not brought forward by the Director-General of Ordnance in his schedule of requirements for 1887-88, and the Government of India has no means of judging whether the works proposed will be completed for the sums entered in the budget estimate. The allotments aggregating Rs. 36,000 are passed provisionally subject to redistribution in communication with the Inspector-General of Ordnance, who should obtain the concurrence of the Director-General of Ordnance to any proposals he may recommend to the Madras Government. The final distribution of the allotment of Rs. 36,000 to works or special repairs, or to both, should be communicated to the Government of India.

Revised Estimate for 1886-87.

4. The revised estimate has been passed for the amount of the existing grant, Rs. 6,23,400.

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

—	Budget estimate, 1887-88.	Revised estimate, 1886-87.	Budget estimate, 1886-87.	Actuals, 1885-86.
	RS.	RS.	RS.	RS.
Original works. { In progress	50,900	1,93,900	2,08,035	1,85,232
{ Not commenced	91,700			
Repairs	3,00,000	3,10,500	3,10,465	1,73,187
Total, Works and Repairs ...	4,42,600	5,04,400	5,18,500	3,58,419
Establishment	1,03,000	1,17,500	1,20,700	83,263
Tools and plant	4,400	5,000	5,200	3,563
	5,50,000	6,26,900	6,44,400	4,45,245
Deduct—Excess amount included for expenditure in England in revised estimate	...	1,500	...	...
	5,50,000	6,25,400	6,44,400	4,45,245
Deduct—Expenditure in England	...	* 2,000	...	236
Net Indian outlay ...	5,50,000	6,23,400	6,44,400	4,45,009

* Reduced to Rs. 2,000 to accord with latest advices received from the Secretary of State.

6. The authority herewith given to incur expenditure within the limits shown in the foregoing table, is subject to the condition of a strict adherence to the rules in force regarding the financial regularity of departmental work.

ORDER.—Ordered, that this resolution be communicated to the Government of Madras, for information and guidance, with the request that 45 printed copies of the budget estimate, as now passed, may be submitted so as to reach the Government of India not later than the 1st May 1887.

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

(True Extract.)

E. COLLEN,
Offg. Secy. to the Govt. of India.

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

Telegram from the Government of India, Military Department, dated 7th April 1887.
" " Suptg. Engineer, III Circle, dated 7th April 1887.
Letter from the " " III " " 6th " " No. 29.
" " " " IV " " 2nd " " " 163 E.W.
" " " " V " " " " " " 25.

ORDER—dated 28th April 1887, No. 1160 W., Public Works.

Ordered that the final issue of the Imperial Military Works budget for 1887-88 prepared for Rs. 5,50,000, being the amount adopted by the Government of India in their resolution read at the head of these proceedings, be printed and 45 * copies forwarded to the Government of India.

* To Simla 20
" Calcutta 25
— 45

2. Provision to the extent fixed by the Government of India has been made for barracks for 50 additional men at Malapuram. A supplemental estimate, amounting to Rs. 38,940, was forwarded for the sanction of that Government with endorsement No. 1004-W., dated 4th April 1887, and it has been ascertained that if the estimate be sanctioned at an early date there will be no difficulty in spending the whole of the proposed grant, Rs. 20,000, before the close of the official year. The Government of India will therefore be requested to re-allot the sum of Rs. 9,000 withheld from the proposed grant for the work.

3. The attention of the Superintending Engineer, IV Circle, will be drawn to the remarks of the Government of India on item No. 2, class B works, and with reference to the remark against item No. 7, "store rooms and workshop for the Pioneer regiment at Bellary," the Superintending Engineer, III Circle, will report if dated 24th February 1887, can be reduced to the amount of the budget grant.

4. The works detailed in the margin, † for which the Government of India have sanctioned allotments provisionally only, were considered ‡ urgent by His Excellency the Commander-in-Chief. The Quartermaster-General will be requested to communicate with the Inspector-General of Ordnance and report, with reference to the remark iii, paragraph 3 of the Government of India resolution above quoted, in order that the allotments for the works named may be re-distributed, if necessary, as directed by the Government of India.

† (1) Twelve Staff Sergeants' quarters, Bellary.
(2) Adapting the existing magazine at Fort St. George for the storage of powder for the Fort armament.
(3) Coal store, Ordnance Department, Madras.

‡ G.O., No. 2497 W., dated 25th Sept. 1886.
" " 3326 W., " 17th Dec. "

5. The modifications of grants necessary to meet the increased rate of contribution to Provincial on account of tools and plant sanctioned by the Government of India—*vide* G.O., No. 881 W., dated 23rd March 1887, will be made in separate proceedings.

6. Superintending Engineers concerned will submit without loss of time plans and estimates for the unsanctioned works for which funds have been provided in the budget.

7. The amounts held at the disposal of the Government for Repairs and Minor Original Works will as usual be distributed on receipt of detailed proposals from Superintending Engineers in accordance with paragraph 1322 of the Public Works Code; and the balance of the Minor Original Works grant, after providing for incomplete works of last year and for such of the Minor New Works as may be considered urgent, will be placed at the disposal of the Officers Commanding Divisions and Districts.

8. The revised estimate of charges for 1886-87, as shown in the preliminary issue, has been altered to Rs. 6,23,400 to agree with the total amount shown in the

table embodied in paragraph 5 of the resolution of the Government of India above recorded.

(Here enter No. 1161 W., dated 28th April 1887.)

(True Extract.)

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

To Superintending Engineers.
„ the Examiner, Public Works Accounts.
„ the Military Department.
„ the Financial „

ENDORSEMENT—dated 28th April 1887, No. 1161 W., Public Works.

Forwarded.

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

Exd. P. L. Pareira.
Spare Copies

18

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1887} Madras.

PUBLIC WORKS.

Dated April, 28th.

Recd. *Encl.*

G.O., 28th April 1887, No. 1161 W.

APRIL.

Budget Estimate

Imperial Military Works for 1887-88.—Copy of orders circulating the final issue of the —, forwarded to the Government of India.

Quarter Master General's Office,
Ootacamund, 18th August 1887

Barracks and Buildings
Estimates.

No. 2967 A.

From

Brigadier-General E. FAUNCE,
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 estimates plan, &c., below-mentioned, which have been approved by the Commander-in-Chief. The plan and estimates have been countersigned.

Abstract and detailed Estimate amounting to Rs 40680/- for constructing sheds for Bullocks, carts and trollies of the Commissariat Department at Pudupet Trichinopoly with Plan and Specification.

2. The work is included in the Schedule of requirements for 1887/88, item 50 Class C, vide G.O. No: 1150 W of 28th April 1887, M.D. No. 2867 of 16th May 1887.

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

E. Faunce

Brigr. Genl,
Quarter Master Genl.

N.B. 8 spare copies of the orders passed on this letter will be required.

Northwards

P.S. 4. 10. 1886 Nos: 44-45 R
P.S. 16. 5. 1887 Nos: 342-3R.
G.G. 1161 Dt: 28.4.87.

2 P

No. 5089 Approved and transferred to the Public Works Department for disposal.

(Byrne)

A Kennedy Herbert Br Genl
Secretary to Government.

Dd/ enclosures
Rd 4th August 1887

Military (1887) Department.

Ext. R.V. 5th No. 5662/3573
9-9-87

From 2/8263

THE QUARTER MASTER GENERAL,

To 7/1046

THE SECRETARY TO GOVERNMENT,

MILITARY DEPARTMENT.

No. 2915 A.

Dated 18th August
Received 19th August

Lt Col H.M. P.W.D. 19.8.87

R 22.8.87

6 ENCLOSURES. 5 (+1 plan)

Forwards for sanction tea Estt. &c. for empty sheds for Bullock &c. of the Commissariat Department on the Podanur Maiden

Dd 4th Aug 1887
Rd 19.8.87

Documents 656 · 30 · 8 · 87 · D. S. 4. 10

No 132

Superintending Engineer's Office
V Circle Madras
Bangalore 14 April 1888

3P

From

Colonel H. M. Vibart R.E.
Supg: Engineer V Circle

To

The Chief Engineer
Public Works Department

Sir

Enclosures 7.

In returning the enclosures of your Memorandum No 3005C dated 7th September 1887 I have the honor to forward a Plan of the Podapet plain showing the sites of the existing buildings thereon, the sites proposed for the sheds for the Commissariat Transport Department — and information with respect to the drainage of the existing and proposed buildings.

2 The buildings colored Indian Ink and the drains marked with the letters a are those now existing. The buildings colored yellow and the drains not marked with the letter a are those proposed to be built.

The part marked x is the highest part of the plain, from which the ground falls to the North and South. The drainage

Northwards

Northwards supplies two ponds which surplus into a Municipal drain running into the Cooum. The drainage from the Opthalmic Hospital skirts the Pudupet plain by the side of Marshalls Road and discharges into the Cooum.

A general Abstract Estimate for the proposed work is enclosed.

I have the honor to be,
Sir,
Your Most Obed't Servant
Richd Tr Vibart Col RE
Superintending Engineer
V circle

No 3005 Cay 7-9-87
- 1161 W ay 28-4-87
- 1761 W 17-8-87.
134 W 16-1-86.
703 W 20-3-85.
1623 W 27-6-84.
1261 W 19-5-84.
3464 W 3-12-83.

PWC No 3573

From

The Superintending Engineer
5th Circle

To

The Chief Engineer
P.W. Department

Dated 14th April 1888.

No 173

Enclosure 7 & 8
(42 plans)

No. 132.

Sheds for the Commissariat Transport Department.

I forward a plan of the Pudupet plain showing the sites of the existing buildings, the site proposed for — &c.

Public Works Department.

Current No. 6601
Letter No. 5089
Dated the 19th August 87
From the Secy. to Govt. Military Dept.

30/10/87

Note of Remarks.

1. The accompanying plan and estimate provide for constructing sheds for Bullocks, carts & Trollies & Sick Cattle attached to the Commissariat Department on the Pudupet Maidan at Madras.
2. Amount of estimate is Rupees 40,680. The cost of each shed cannot be ascertained as the general abstract is not submitted.
3. There appears to be no standard design for these buildings.
4. At present 1 Bullock shed, 1 Store & Grain shed, 1 Workshop

A. 30-8-87

1 Latrine + 1 Serfs Quarters are built. 3 lines of Bullock sheds + 2 of Cart + Trollies sheds are to be built as per accompanying plans + estimate which will complete the requirements of the Transport Departt.

5. The foundations are to rest on concrete on a layer of sand. The foundations below ground + below structures including arches arches are to be built of ordinary brick in chunam. The top courses of basements are allowed ½" asphalte. The exposed portion of work is to be plastered with 2 coats of chunam, not polished.

6. The roof is to be made of teakwood rafters, (3 ft apart) + peepers + covered over with Mangalore tiles. The scantlings of timbers are correct. The load mark is to be woodcoiled with

20/4-

with 2 coats.

7. The roads between the lines + floor inside are to be metalled with laterite + gravel 6" thick.

8. Cutting surface drains along the new buildings are allowed in the estimate.

9. Specification is submitted.

10. The rates are fair.

11. The following lumpsums are provided in the estimate:-

(a) Rs. 60 is for erecting and removing scaffolding and clearing site &c.

(b) Rs. 150 is for erecting temporary shed for material & work people.

12. Petty supervision + contingencies are seperately charged at 2½ + 5 percent respectively.

13. The plan + estimate have been countersigned by

Southwards supplies two ponds which surplus into a Municipal drain running into the Cooum. The drainage from the Opthalmic Hospital skirts the Pudupet plain by the side of Marshalls Road and discharges into the Cooum.

A general Abstract Estimate for the proposed work is enclosed.

I have the honor to be,
Sir,
Your Most Obed[t] Servant,
Alexr Ten Vibart
Col RE
Superintending Engineer
V circle

APPENDIX

LIST OF WORKS (OR CLASS C WORKS) OMITTED FROM THE BUDGET-ESTIMATE OF 1887-88, BUT ON CLASS B

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.
					Rs.
				IMPERIAL ORDINARY—*cont.*	
				Military—*cont.*	
				Original Works—cont.	
(1) *Accommodation for troops*— Buildings for European troops in the plains. Permanent.	Presidency.	Bangalore ...	18	New orderly room for 12th Lancers, or conversion of Quartermaster's stores into orderly room and stores.	...
	Do. ...	Do. ...	19	Quarters for Senior Apothecary, North Station hospital.	5,300
	Do. ...	Do. ...	20	Quarters for the Assistant Apothecary, North Station hospital.	4,773
	Chingleput.	St. Thomas' Mount.	21	A wheeler and collar maker's shop, West barracks.	5,660
	Do. ...	Do. ...	22	Sergeants' Mess for East barracks.	...
	Do. ...	Do. ...	23	General improvements to the drains of the cantonment.	...
	Do. ...	Do. ...	24	Quarters for three Medical Subordinates, Station hospital.	...
	Do. ...	Do. ...	25	Quarters for head-quarter's staff, Royal Artillery.	...
	Do. ...	Do. ...	26	Battery office for P/1st Royal Artillery.	...
	Do. ...	Do. ...	27	Raising the roof of harness rooms, troop lines.	4,200
	Do. ...	Do. ...	28	Wooden shed at the proof range ...	2,820
	Do. ...	Do. ...	29	Converting the disused gun shed between the North barracks and the main guard into a coffee shop, recreation room, and library.	2,520
	Do. ...	Pallávaram ...	30	One mortuary room for each of the three hospitals, Nos. 1 to 3.	...
	Do. ...	Poonamallee.	31	Improvements to the old barracks with possibility of obviating construction of the new.	...
	Do. ...	Do. ...	32	Warrant officers' quarters ...	...
	Do. ...	Do. ...	33	Two Staff Sergeants' quarters, first class.	...
	Do. ...	Do. ...	34	Coffee shop	...

B—*cont.*

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

Outlay.		Amount applied for 1887-88.			Item No.	Remarks and References.
Actual to end of 1885-86.	Probable during 1886-87.	Works in progress.	Works not commenced.	Total.		
Rs.	Rs.	Rs.	Rs.	Rs.		
...	...	...	6,500		18	Estimate is awaited.
...	...	...	5,300		19	G.O., No. 3385 W., dated 27th November 1883. Item No. 20, class C works, budget of 1886-87.
...	...	...	4,773		20	G.O., No. 938 W., dated 5th April 1884. Item No. 21, class C works, budget of 1886-87.
...	...	...	5,660		21	G.O., No. 2717 W., dated 3rd November 1884. Item No. 24, class C works, budget of 1886-87.
...	...	...	6,000		22	Estimate is awaited.
...	...	...	10,000		23	Do. do.
...	...	...	8,000		24	Do. do.
...	...	...	12,000		25	Do. do.
...	...	...	5,000		26	Do. do.
...	...	...	4,200		27	G.O., No. 3137 W., dated 17th December 1881. Item No. 25, class C works, budget of 1886-87.
...	...	...	2,820		28	G.O., No 3077 W., dated 13th December 1884. Item No. 26, class C works, budget of 1886-87.
...	...	...	2,520		29	G.O., No. 1234 W., dated 28th May 1885. Item No. 27, class C works, budget of 1886-87.
...	...	...	3,000		30	Estimate is awaited. Item No. 28, class C works, budget of 1886-87.
...	...	..	5,000		31	Estimate is awaited.
...	...	...	3,500		32	Do. do.
...	...	...	6,000		33	Do. do.
...	...	...	9,000		34	Do. do.

APPENDIX

LIST OF WORKS (OR CLASS C WORKS) OMITTED FROM THE BUDGET-ESTIMATE OF 1887-88, BUT ON CLASS B

—*cont.*

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

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.	Outlay.		Amount applied for 1887-88.			Item No.	Remarks and References.
						Actual to end of 1885-86.	Probable during 1886-87.	Works in progress.	Works not commenced.	Total.		
					Rs.	Rs.	Rs.	Rs.	Rs.	Rs.		
				IMPERIAL ORDINARY—*cont*								
				MILITARY—*cont.*								
				Original Works—cont.								
(1) *Accommodation for troops*— Buildings for Native troops.	Vizagapatam	Vizianagram.	35	Regimental store room for Native infantry, including storage for camp equipage	3,480	...	...	...	3,480		35	G.O., No. 2628 W., dated 27th October 1884. Item No. 32, class C works, budget of 1886-87.
	Bellary ...	Bellary ...	36	School-house for the Native Infantry regiment.	3,030	...	...	...	3,030		36	G.O., No. 149 W., dated 17th January 1884. Item No. 33, class C works, budget of 1886-87.
	West Coast.	Quilon ...	37	Sepoy lines	...	...	...	...	20,000		37	Estimate is awaited.
	Do. ...	Mangalore ...	38	Providing drains for the lines of the Native infantry.	...	...	...	...	6,030		38	Do. do.
	Presidency.	Madras ...	39	Constructing four latrines, two for males and two fo. females for Native Infantry lines at Perambûr.	...	...	...	...	3,000		39	Do. do.
	Do. ...	Do. ...	40	Flushing drains for Native Infantry lines at Râyapuram.	4,300	...	...	...	4,300		40	G.O., No. 1397 W., dated 4th June 1884. Item No. 34, class C works, budget of 1886-87.
	Chingleput.	Pallávaram ...	41	Magazine for a Madras Infantry regiment.	4,900	...	...	...	4,500		41	G.O., No. 334 W., dated 8th February 1886. Item No. 38, class C works, budget of 1886-87.
	Do. ...	Do. ...	42	Armourer's shop for a Madras Infantry regiment.	2,880	...	...	...	2,880		42	G.O., No. 3149 W., dated 22nd December 1884. Item No. 29, class C works, budget of 1886-87.
	Trichinopoly.	Trichinopoly.	43	Workshops for a Pioneer regiment.	...	...	...	...	8,000		43	Estimate is awaited.
(2) *Ordnance Works.*	Presidency.	Madras ...	44	Compound wall round the Gunpowder Factory.	...	...	...	...	20,200		44	Estimate is awaited. Item No. 39, class C works, budget of 1886-87.
	Do. ...	Do. ...	45	Extra accommodation as store-rooms in the Gunpowder Factory.	...	...	...	...	6,000		45	Estimate is awaited. Item No. 40, class C works, budget of 1886-87.
(3) *Commissariat Buildings.*	West Coast.	Calicut ...	46	Mule and Cattle shed ...	...	...	...	...	4,000		46	Estimate is awaited.
	Presidency.	Bangalore ...	47	Quarters for a Conductor, Transport Department.	5,800	...	...	...	5,800		47	G.O., No. 992 W., dated 16th April 1886. Item No. 51, class C works, budget of 1886-87.
	Do. ...	Do. ...	48	Quarters for Ambulance Sergeant, near Cattle lines, Transport Department.	...	...	...	...	3,000		48	Estimate is awaited.
	Do. ...	Madras ...	49	Lines for transport attendants ...	...	...	...	...	48,000		49	Estimate is awaited. Item No. 49, class C works, budget of 1886-87.
	Do. ...	Do. ...	50	Workshops and sheds for carts, doolies, &c., Transport Department.	...	...	...	...	5,500		50	Estimate is awaited. Item No. 50, class C works, budget of 1886-87.
	Do. ...	Do. ...	51	Construction of a shed at the Camp Equipage Depôt.	...	...	...	...	5,300		51	Estimate is awaited. Item No. 48, class C works, budget of 1886-87.
					...	...	...	...	...	...		

APPENDIX

LIST OF WORKS (OR CLASS C WORKS) OMITTED FROM THE BUDGET-ESTIMATE OF 1887-88, BUT ON CLASS B

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.
					Rs.
				IMPERIAL ORDINARY—*concld.*	
				Military—*concld.*	
				Original Works—concld.	
(3) *Commissariat Buildings.*	Presidency.	Teynampet ...	52	Construction of a wheat godown ...	...
	Chingleput.	Guindy ...	53	Quarters for station butchers attached to slaughter-house.	...
(4) *Staff and Miscellaneous.*	Nilgiri ...	Ootacamund.	54	Water-supply, Lawrence Asylum.	...
(8) *Fortifications* ...	West Coast.	Malapuram. ...	55	Constructing fortifications ...	...
	Presidency.	Fort St. George	56	Facing the *escarpe* of Fort St. George with Portland cement.	...
Do. ...	Do.	... 57		Demolition of Wallajah ravelin and two lunettes.	...
Do. ...	Do.	... 58		Constructing a draw-bridge to North Gate.	...
				Total ...	...

B—*concld.*

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

Outlay.		Amount applied for 1887-88.			Item No.	Remarks and References.
Actual to end of 1885-86.	Probable during 1886-87.	Works in progress.	Works not commenced.	Total.		
Rs.	Rs.	Rs.	Rs.	Rs.		
...	...	...	5,950	...	52	Estimate is awaited. Item No. 46, class C works, budget of 1886-87.
...	...	...	4,730	...	53	Estimate is awaited. Item No. 52, class C works, budget of 1886-87.
...	...	...	7,000	...	54	Estimate is awaited. Item No. 55, class C works, budget of 1886-87.
...	...	...	8,000	...	55	Estimate is awaited.
...	...	...	5,000	...	56	Do. do.
...	...	...	7,426	...	57	Estimate is awaited. Item No. 53, class C works, budget of 1886-87.
...	...	...	2,680	...	58	Estimate is awaited.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

READ—the following papers :—

Extract from the Proceedings of the Government of India, Military Department, dated Fort William, 18th March 1887, No. 607 M.-W. (Accounts—Budget Estimate) :—

MADRAS.

Orders on Military Works Budget Estimate for 1887-88, *and Revised Estimate for* 1886-87.

Read—

Military Department Resolution, No. 1672 M.-W., dated the 1st November 1886.
Letter, No. 3327-W., dated the 17th December 1886, from Government of Madras.

RESOLUTION.—The estimates of Revenue are accepted for the sums entered in the subjoined table :—

REVENUE.

—	Budget estimate, 1887-88.	Revised estimate, 1886-87.	Budget estimate, 1886-87.	Actuals, 1885-86.
	Rs.	Rs.	Rs.	Rs.
In Public Works Department	25,000	16,000	30,000	25,881
Total ...	25,000	16,000	30,000	25,881

EXPENDITURE.

Budget Estimate, 1887-88.

2. The estimate has been prepared for the grant of Rs. 5,50,000 sanctioned in Military Department Resolution, No. 1672 M.-W., dated 1st November 1886; with reference to paragraph 2 of the letter from the Government of Madras quoted in the preamble, the Government of India regret being unable to provide a larger allotment.

3. The details of part I of the estimate are passed, subject to the following remarks :—

i. *Class A works—Item* 1, *barracks for* 50 *additional men and canteen at Malapuram.*—It has been found desirable to allot only Rs. 11,000 for this work, until it is known what the supplemental estimate includes, what it amounts to, and what prospect there is of the work being vigorously prosecuted. The balance of the grant may be held in reserve by the Madras Government for the present.

ii. *Class B works.*—It is noticed that estimates for items Nos. 2, 6, 7, 8 and 9 have not been prepared and sanctioned. The provision made for items 2 and 6 of the budget seems too high, but the allotments are admitted on the condition that no excess is permitted to take place.

iii. The remaining three items are Ordnance works, but were not brought forward by the Director-General of Ordnance in his schedule of requirements for 1887-88, and the Government of India has no means of judging whether the works proposed will be completed for the sums entered in the budget estimate. The allotments aggregating Rs. 36,000 are passed provisionally subject to redistribution in communication with the Inspector-General of Ordnance, who should obtain the concurrence of the Director-General of Ordnance to any proposals he may recommend to the Madras Government. The final distribution of the allotment of Rs. 36,000 to works or special repairs, or to both, should be communicated to the Government of India.

Revised Estimate for 1886-87.

4. The revised estimate has been passed for the amount of the existing grant, Rs. 6,23,400.

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

—	Budget estimate, 1887-88.	Revised estimate, 1886-87.	Budget estimate, 1886-87.	Actuals, 1885-86.
	Rs.	Rs.	Rs.	Rs.
Original works. { In progress	50,900	1,93,900	2,08,035	1,85,232
Original works. { Not commenced	91,700			
Repairs	3,00,000	3,10,500	3,10,465	1,73,187
Total, Works and Repairs ...	4,42,600	5,04,400	5,18,500	3,58,419
Establishment	1,02,000	1,17,500	1,20,700	83,263
Tools and plant	4,400	5,000	5,200	3,563
	5,50,000	6,26,900	6,44,400	4,45,245
Deduct—Excess amount included for expenditure in England in revised estimate	...	1,500	...	...
	5,50,000	6,25,400	6,44,400	4,45,245
Deduct—Expenditure in England	...	* 2,000	...	236
Net Indian outlay ...	5,50,000	6,23,400	6,44,400	4,45,009

* Reduced to Rs. 2,000 to accord with latest advices received from the Secretary of State.

6. The authority herewith given to incur expenditure within the limits shown in the foregoing table, is subject to the condition of a strict adherence to the rules in force regarding the financial regularity of departmental work.

ORDER.—Ordered, that this resolution be communicated to the Government of Madras, for information and guidance, with the request that 45 printed copies of the budget estimate, as now passed, may be submitted so as to reach the Government of India not later than the 1st May 1887.

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

(True Extract.)

E. COLLEN,
Offg. Secy. to the Govt. of India.

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

Telegram from the Government of India, Military Department, dated 7th April 1887.
" " Suptg. Engineer, III Circle, dated 7th April 1887.
Letter from the " " III " " 6th " " No. 29.
" " " " IV " " 2nd " " " 163 E.W.
" " " " V " " " " " " 25.

ORDER—dated 28th April 1887, No. 1160 W., Public Works.

Ordered that the final issue of the Imperial Military Works budget for 1887-88 prepared for Rs. 5,50,000, being the amount adopted by the Government of India in their resolution read at the head of these proceedings, be printed and 45 * copies forwarded to the Government of India.

* To Simla 20
" Calcutta 25
— 45

2. Provision to the extent fixed by the Government of India has been made for barracks for 50 additional men at Malapuram. A supplemental estimate, amounting to Rs. 38,940, was forwarded for the sanction of that Government with endorsement No. 1004-W., dated 4th April 1887, and it has been ascertained that if the estimate be sanctioned at an early date there will be no difficulty in spending the whole of the proposed grant, Rs. 20,000, before the close of the official year. The Government of India will therefore be requested to re-allot the sum of Rs. 9,000 withheld from the proposed grant for the work.

3. The attention of the Superintending Engineer, IV Circle, will be drawn to the remarks of the Government of India on item No. 2, class B works, and with reference to the remark against item No. 7, "store rooms and workshop for the Pioneer regiment at Bellary," the Superintending Engineer, III Circle, will report if the estimate of Rs. 4,740 already sanctioned for the work—*vide* G.O., No. 534 W., dated 24th February 1887, can be reduced to the amount of the budget grant.

4. The works detailed in the margin, † for which the Government of India have sanctioned allotments provisionally only, were considered ‡ urgent by His Excellency the Commander-in-Chief. The Quartermaster-General will be requested to communicate with the Inspector-General of Ordnance and report, with reference to the remark iii, paragraph 3 of the Government of India resolution above quoted, in order that the allotments for the works named may be re-distributed, if necessary, as directed by the Government of India.

† (1) Twelve Staff Sergeants' quarters, Bellary.
(2) Adapting the existing magazine at Fort St. George for the storage of powder for the Fort armament.
(3) Coal store, Ordnance Department, Madras.

‡ G.O., No. 2497 W., dated 25th Sept. 1886.
" " 3326 W., " 17th Dec. "

5. The modifications of grants necessary to meet the in reased rate of contribution to Provincial on account of tools and plant sanctioned by the Government of India—*vide* G.O., No. 881 W., dated 23rd March 1887, will be made in separate proceedings.

6. Superintending Engineers concerned will submit without loss of time plans and estimates for the unsanctioned works for which funds have been provided in the budget.

7. The amounts held at the disposal of the Government for Repairs and Minor Original Works will as usual be distributed on receipt of detailed proposals from Superintending Engineers in accordance with paragraph 1322 of the Public Works Code; and the balance of the Minor Original Works grant, after providing for incomplete works of last year and for such of the Minor New Works as may be considered urgent, will be placed at the disposal of the Officers Commanding Divisions and Districts.

8. The revised estimate of charges for 1886-87, as shown in the preliminary issue, has been altered to Rs. 6,23,400 to agree with the total amount shown in the

table embodied in paragraph 5 of the resolution of the Government of India above recorded.

(Here enter No. 1161 W., dated 28th April 1887.)

(True Extract.)

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

To Superintending Engineers.
" the Examiner, Public Works Accounts.
" the Military Department.
" the Financial "

ENDORSEMENT—dated 28th April 1887, No. 1161 W., Public Works.

Forwarded.

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

Exd. P. L. Pareira
Spare Copies

18

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1887} Madras.

PUBLIC WORKS.

Dated April, 28th.

Recd. *Encl.*

G.O., 28th April 1887, No. 1161 W.

APRIL.

Budget Estimate

Imperial Military Works for 1887-88.—Copy of orders circulating the final issue of the —, forwarded to the Government of India.

Quarter Master General's Office,
Ootacamund, 18th August 1887

Barracks and Buildings
Estimates.

No. 2957 A.

From

Brigadier-General E. FAUNCE,
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 estimates plan, &c., below-mentioned, which have been approved by the Commander-in-Chief. The plan and estimates have been countersigned.

Abstract and detailed Estimates amounting to Rs 40600/- for constructing sheds for Bullocks, Carts and bodies of the Commissariat Department the Cudapet maidan at Madras with plan and specification.

2. The work is included in the schedule of requirements for 1887/88, item 50 Class C, vide G.O. No: 1160 W of 28th april 1887, M.D. No. 2867 of 16th may 1887.

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

E. Faunce

Brigr. Genl,
Quarter Master Genl.

N.B. 8 spare copies of the orders passed on this letter will be required.

Northwards

P.C. 4. 10. 1886 Nos: 44-45 R
P.C. 16. 5. 1887 Nos: 342-3 R.
96: 1161 W: 28: 4: 87

2P

No. 5089 Approved and transferred to the Public Works Department for disposal.

(Byrne)

A Kennaway Herbert
Secretary to Government.

Orders commund.
9th August 1887

Military (1887) Department.

Pub. W.D. 5th R. No. 5662/88
9-7-87
3573

From 2/Engrs

The Quarter Master General,

To 7/1887

The Secretary to Government,

Military Department.

No. 295 A.

Dated 1887 August
Received 19

Rec'd in P.W.D. 19-8-87

6 Enclosures. 5 (+1 plans)

Forwards for sanction tn Estt: tree for cmnty. sheds for Bullocks tree of the Commsst. Departt. at the Pedapet maidan

Orders commund. 30-8-87. D. 5-9-87

Superintending Engineer's office
V Circle Madras
Bangalore. 14 April 1888

No 132

3P

From

Colonel H. M. Vibart. RE
Supg: Engineer V circle

To

The Chief Engineer
Public Works Department.

Sir

Enclosures 7.

In returning the enclosures of your Memorandum No 3005C dated 7th September 1887 I have the honor to forward a Plan of the Pudupet plain showing the sites of the existing buildings thereon, the site proposed for the sheds for the Commissariat Transport department — and information with respect to the drainage of the existing and proposed buildings.

2 The buildings colored Indian Ink and the drains marked with the letters a are those now existing. The buildings colored yellow and the drains not marked with the letters a are those proposed to be built.

The part marked x is the highest part of the plain, from which the ground falls to the North and South. The drainage

Northwards

Northwards supplies two ponds which surplus into a Municipal drain running into the Cooum. The drainage from the Opthalmic Hospital skirts the Pudupet plain by the side of Marshalls Road and discharges into the Cooum.

A general Abstract Estimate for the proposed work is enclosed.

I have the honor to be,
Sir,
Your Most Obed't Servant.
Hutchinson Vibart
Col. R.E
Superintending Engineer
Circle

No 3005 C a/7-9-87
- 1161 W a/28-4-87
- 1761 W 1-7-87.
134 W 16-1-86.
703 W 20-3-85.
1623 W 27-6-84.
1261 W 19-5-84.
3464 W 3-12-83.

PWC No 3573

From

The Superintending Engineer

5th Circle

To

The Chief Engineer

P.W. Department

Dated 14th April 1888.

Rs 175

Enclosures 7 & 8

(42 plans)

No. 132.

Sheds for the Commissariat Transport Department —

Forwards a plan of the Pudupet plain showing the sites of the existing buildings, the site proposed for — &c.

Public Works Department.

Current No. 6601

Letter No. 5089

Dated the 19th August 87

From the Secy to Govt Military Dept

W 30/8/87

Note of Remarks.

1. The accompanying plan and estimate provide for constructing sheds for Bullocks, Carts & Trollies & Sick Cattle Shed of the Commissariat Department on the Pudupet Maidan at Madras.

2. Amount of estimate is Rupees 40,680. The cost of each shed cannot be ascertained as the general abstract is not submitted.

3. There appears to be no standard design for these buildings.

4. At present 1 Bullock shed, 1 Store & Gram shed, 1 Workshop

A. 30-8-87

1 Latrine + 1 Serfs Quarters are built. 3 lines of Bullock sheds + 2 of Cart + Trolleys sheds are to be built as per accompanying plan + estimate which will complete the requirements of the Transport Depart.

5. The foundations are to rest on concrete on a layer of sand. The foundations Superstructures including arch works are to be built of ordinary brick in chunam. The top covers of basements are allowed ½" asphalt. The exposed portion of work is to be plastered with 2 coats of chunam, not polished.

6. The roof is to be made of teakwood rafters, (3 ft. apart) + peepers + covered over with Mangalore tiles. The seantlings of timbers are correct. The ...d work is to be woodoiled with

with 2 coats.

7. The roads between the lines + floor inside are to be metalled with laterite + gravel 6" thick.

8. Cutting surface drains along the new buildings are allowed in the estimate.

9. Specification is submitted.

10. The rates are fair.

11. The following lumpsums are provided in the estimate:-

(a) Rs. 60 is for erecting and removing scaffolding and clearing site &c.

(b) Rs. 150 is for erecting temporary shed for materials & work people.

12. Petty supervision + contingencies are seperately charged at 2½ + 5 percent respectively.

13. The plan + estimate have been countersigned by

drawn of estimate of the proposed Transport Sheds, Involved by the Ophthamic Hospital & other buildings are Plans 2

2. A General abstract estimate for the whole work proposed should also be submitted.

Jour: 2/9/87.

Cur 6.1.87

S. & V Circle, with letter in original returned.

Cur 12/9/87

B. & R. 4 Aug 1887

No 3667

PUBLIC WORKS DEPARTMENT.

5th

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the

READ the following

From the Quarter Master General. H. E. No: 2915 A/18th August 1887
Endorsement by the Military Department. H. E. No: 5089 A/19th August 1887
From the Supty. Engineer V Circle. H. E. No: 1324/14th April 1888

The estimate amounting to Rs. 40,680 for constructing sheds for bullocks, carts and trollies of the Commissariat Department on the Pudupet maidan at Madras, is sanctioned for execution when funds are available.

2. This sanction has been registered as Imperial Ordinary No: 45 W of 1888-89 and classified as Military Original Works.

20.4.88

20/11/88

To
The Supty. Engr. V Circle with 6 endos.
" Examiner of P. W. Accts with the general abstract estimate
" Military Department

Cur

4/Aug

drawing & estimate of the proposed Transport Sheds, hospitals for the Ophthamic hospital & other buildings on the Plain -

2. A General abstract estimate for the works now proposed should also be submitted.

Jeans
2/3/87.

Lewis
6.7.87

S. & V Circle,
with letters in original & estimates.

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the

READ the following

From the Quarter Master General. H. E. No: 2915 A/18th August 1887
Endorsement by the Military Department. H. E. No: 5089 A/19th August 1887
From the Supty. Engineer V Circle. H. E. No: 1324/14th April 1888

The estimate amounting to Rs. 40,880, for constructing sheds for bullocks, carts and trollies of the Commissariat Department on the Pudupet maidan at Madras is sanctioned for execution when funds are available.

2. This sanction has been registered as Imperial Ordinary No: 45 W of 1888-89, and classified as Military Original Works.

Lewis
20.4.88

To
The Supty. Engr. V Circle with 6 endrs.
" Examiner of P. W. Accts with the general abstract estimate
" Military Department

20/11/88

Cr
4
Copy

drawing, estimate of the proposed transport sheds, hospital of the Ophthamic Hospital & other buildings on the Plain.

2. A General abstract estimate for the work now proposed should also be submitted.

Jco
2/3/87.

Accts
6.7.87

S. & V Circles,
with forms in ordy
& returned.

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the

READ the following

From the Quarter Master General. H. E. No: 2915 A/18th August 1887
Endorsement by the Military Department. H. E. No: 5089 A/19th August 1887
From the Supty. Engineer V Circle. H. E. No: 132 A/14th April 1888

The estimate amounting to Rs. 49,680 for constructing sheds for bullocks, carts and trollies of the Commissariat Department on the Pudupet maidan at Madras, is sanctioned for execution when funds are available.

2. This sanction has been registered as Imperial Ordinary No: 45 W of 1888-89 and classified as Military Original Works.

Accts
20.4.88

To
The Supty. Engr. V Circle with 6 endos.
" Examiner of P. W. Accts with the general abstract estimate
" Military Department

20/11/88

Cir
4/5/88

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IMPERIAL.
MILITARY WORKS.

REVENUE.

ABSTRACT OF THE BUDGET-ESTIMATE OF REVENUE OF THE PUBLIC WORKS DEPARTMENT FROM MILITARY WORKS IN MADRAS FROM 1st APRIL 1887 TO 31st MARCH 1888.

	Budget-Estimate, 1887-88.	Revised Estimate, 1886-87.	Budget-Estimate, 1886-87.	Actuals, 1885-86.
	Rs.	Rs.	Rs.	Rs.
In Public Works Department	25,000	16,000	30,000	25,881
In Civil and Military Departments	...	...	...	...
Total ...	25,000	16,000	30,000	25,881

CHARGES.

ABSTRACT OF THE BUDGET-ESTIMATE OF EXPENDITURE OF THE PUBLIC WORKS DEPARTMENT OF MILITARY WORKS IN MADRAS FOR THE YEAR FROM 1st APRIL 1887 TO 31st MARCH 1888.

	Reference to Detailed Estimate.	Budget-Estimate, 1887-88.	Revised Estimate, 1886-87.	Budget-Estimate, 1886-87.	Actuals, 1885-86.
		Rs.	Rs.	Rs.	Rs.
Original Works. In progress ...	...	41,060	1,85,200	2,08,035	1,85,232
Original Works. Not commenced.	...	1,01,540			
Repairs ... ... Ordinary ...	...	3,00,000	3,17,700	3,10,465	1,73,187
Repairs ... ... Special ...	...	...			
Establishment	...	1,03,000	1,17,500	1,20,700	83,263
Tools and Plant	...	4,400	5,000	5,000	3,563
Suspense Account	...	...	...	...	...
Total ...	...	5,50,000	6,25,400	6,44,400	4,45,245

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

	Budget-Estimate, 1887-88. Original Works. In progress.	Not commenced.	Total.	Repairs.	Establishment.	Tools and Plant.	Suspense Account.	Barrack Department.	Total.	Revised Estimate, 1886-87.	Budget-Estimate, 1886-87.	Actuals, 1885-86.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Provision from Imperial Funds.												
In India ...	41,060	1,01,540	1,42,600	3,00,000	1,03,000	4,400	..	..	5,50,000	6,25,400	6,44,400	4,45,245
In England.	...	...	...	...	...	...	...	...	...	—2,000	...	— 236
Total ..	41,060	1,01,540	1,42,600	3,00,000	1,03,000	4,400	..	...	5,50,000	6,23,400	6,44,400	4,45,009
Provision from Contributions												
In India ...	...	...	...	...	...	...	...	..	...	...	...	— 72
Grand Total.	41,060	1,01,540	1,42,600	3,00,000	1,03,000	4,400	...	...	5,50,000	6,23,400	6,44,400	4,45,081

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

	Budget-Estimate, 1887-88. Original Works. In progress.	Not commenced.	Total.	Tools and Plant.	Suspense Account.	Total.	Revised Estimate, 1886-87.	Budget-Estimate, 1886-87.	Actuals, 1885-86.
							Rs.		Rs.
	...	...	...	...	...	...	2,000	...	236
Total ...	...	...	...	...	...	...	2,000	...	236

IMPERIAL.
MILITARY WORKS.

PART

DETAIL OF THE BUDGET-ESTIMATE FOR CLASS A

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.
					Rs.
				IMPERIAL ORDINARY.	
				Military.	
				Original Works.	
(1) *Accommodation for troops*— Buildings for European troops in the plains. Permanent.	West Coast.	Malapuram ...	1	Barracks for a detachment of British Infantry to accommodate 50 additional men.	1,35,802
Accommodation for Native troops.	Presidency.	Bangalore ..	2	Public buildings for a regiment of Native infantry.	21,636
	Trichinopoly.	Trichinopoly.	3	Construction of stone drains required for new lines.	...
				Total ..	...

I.

ORIGINAL WORKS FOR THE YEAR 1887-88.

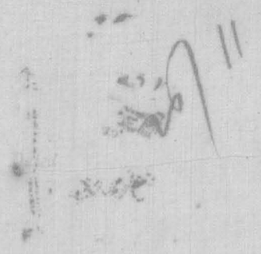
WORKS.

Outlay.		Grant, 1887-88.			Item No.	Remarks and References.
Actual to end of 1885-86.	Probable during 1886-87.	Works in progress.	Works not commenced.	Total.		
Rs.	Rs.	Rs.	Rs.	Rs.		
1,14,981	8,315	11,000	...	11,000	1	G.O., No. 2305 W., dated 13th September 1886; No. 560 W., dated 24th February 1887. Item No. 1, class A works, budget of 1886-87. Supplemental estimate for Rs. 38,940 forwarded to the Government of India for sanction.
...	15,000	6,636	...		2	G.O., No. 2952 W., dated 29th November 1884. Item No. 11, class B works, budget of 1886-87.
...	1,000	5,140	...	11,776	3	Estimate is awaited. Item No. 13, class B works, budget of 1886-87.
...	...	22,776	...	22,776		

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Govt. of [1888] Madras.

PUBLIC WORKS.



Encl. Encl.

G.O. 21 Nov 1888. No. 3667

Sheds

Letter - for bullock carts & Bullies of the Commissariat Dept. on the Pudupet Maidan at Madras, Sanctioned.

10c/6

Public