(1) பக்கங்களின் எண்ணிக்கை 44

(2) புதுக்கித் திருப்பிய நாள் 17-6-88

(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம்

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

பொதுப்பணி துறை

அரசாணை எண். / மு. கோப்புத் தாள் எண். 1453-W அச்சகம் / பலவகை

நாள் : 17. 5. 1888 198 .

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

ஆவண. கா-1—18,006—15-6-87.

17TH MAY 1888, No. 1453 W., PUBLIC WORKS.

1453
1

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

READ—the following letter from Colonel H. M. VIBART, R.E., Superintending Engineer, V Circle, to the Chief Engineer, Public Works Department, dated Bangalore, 25th April 1888, No. 331 A. :—

I have the honor to submit for sanction an estimate of Rs. 758 for constructing V-shaped drains in rear of Ordnance Lines, Madras, approved and countersigned by the Inspector-General of Ordnance.

2. As the Inspector-General of Ordnance has power to sanction estimates for works to the extent of Rs. 500 only in each case, the enclosed estimate is submitted by me for sanction direct instead of through Military authorities as hitherto.

No. 3009, Military.

Approved.

(By Order.)

OOTACAMUND, 4th May 1888.
(Signed) A. KENNEY-HERBERT, Brigdr.-Genl.,
Secretary to Government.

ORDER—dated 17th May 1888, No. 1453 W., Public Works.

The estimate, amounting to Rs. 758, for constructing V-shaped drains to the Ordnance Lines, Madras, is sanctioned.

2. The Superintending Engineer, V Circle, will, in due course, apply to the Inspector-General of Ordnance for an allotment from the grant which will be placed at the disposal of that officer, as arranged in para. 4 of G.O. No. 189 W., dated 17th January 1888.

3. This sanction has been registered as Imperial No. 11 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 8 Enclosures
„ Examiner, Public Works Accounts.
„ Military Department.

Exd. F. R. Bantleman.
Spare Copies.

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1888} Madras
PUBLIC WORKS.

Dated May, 17th.

Recd. *Encl.*

G.O., 17th May 1888, No. 1453 W.

MAY.

Ordnance Lines, Madras

Estimate for constructing V-shaped drains to the —, sanctioned.

FINAL ISSUE.

1453/2

IMPERIAL.
MILITARY WORKS.

MADRAS.

PUBLIC WORKS DEPARTMENT.

IMPERIAL BUDGET-ESTIMATE
OF
MILITARY WORKS
OF THE
GOVERNMENT OF MADRAS
FOR THE YEAR
1888-89.

CHEPÂK,
23rd April 1888.

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

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IMPERIAL.
MILITARY WORKS.

MADRAS.

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Ditto ditto of Expenditure 3

Details of the Budget-Estimate of Expenditure—

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Ditto ditto Class B... ... ... 6 & 7

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Appendix B.—List of Class C Works ... ... 8 to 15

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 Not commenced }	...	1,45,707	1,42,600	1,41,395	74,277 1,34,273
Repairs ... ... { Ordinary Special }	...	3,11,795	3,00,000	3,18,242	3,00,000
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

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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.			Repairs.	Establishment.	Tools and Plant.	Suspense Account.	Barrack Department.	Total.
				In progress.	Not commenced.	Total.						
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Provision from Imperial Funds.												
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.			Tools and Plant.	Suspense Account.	Total.
				In progress.	Not commenced.	Total.			
	Rs.								
	1,638	...	...	...	...	...	...	...	...
Total ...	1,638	...	...	...	...	...	...	...	...

PART I.

DETAIL OF THE BUDGET-ESTIMATE FOR ORIGINAL WORKS FOR THE YEAR 1888-89.

CLASS A WORKS.

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.	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.	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	...	3,970	7,590	...		1	G.O., No. 1042 W., dated 6th April 1888.
	West Coast.	Malapuram ...	2	Barracks for a detachment of British Infantry to accommodate 50 additional men.	1,82,867	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.
Accommodation for Native troops.	Presidency.	Bangalore ...	3	Additions, &c., to public buildings, Madras Infantry Regiment, for a Pioneer Regiment.	21,636	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.
				Total ...	...	...	...	32,590	...	32,590		

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PART I—*cont.*

DETAIL OF THE BUDGET-ESTIMATE FOR ORIGINAL WORKS FOR THE YEAR 1888-89.

CLASS B WORKS.

HEAD OF CLASSIFICATION.	EXECUTIVE DIVISION.	LOCALITY.	ITEM No.	PROJECTS AND WORKS.	AMOUNT OF ESTIMATE.	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.	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 ...	...	...	...	...	6,500		1	Estimate under revision. Item No. 2, class B works, budget of 1887-88.
	Chingleput.	Poonamallee...	2	New barracks	1,66,885	...	...	...	20,000		2	G.O., No. 465 W., dated 19th February 1879.
	Presidency.	Bangalore ...	3	New saddle room, British Cavalry ...	4,158	...	...	...	4,158		3	G.O., No. 423 W., dated 6th February 1888.
Accommodation for Native troops.	Do. ...	Madras ...	4	Constructing 4 latrines—2 for males and 2 for females—Perambur lines.	...	...	...	...	3,000		4	Estimate is awaited. Item No. 39, class C works, budget of 1887-88.
(2) *Ordnance Works* ...	Bellary ...	Bellary ...	5	New workshops for the Arsenal ..	...	...	6,858	22,650	...		5	Estimate is awaited.
	Presidency.	Madras ...	6	Purchase of land for coal store and Artificers' quarters at Vepery.	...	...	...	...	41,625		6	Do.
	Do. ...	Do. ...	7	Turners' shop, Gun Carriage Factory.	...	...	...	...	10,000		7	Do.
	Do. ...	Do. ...	8	Extra accommodation as store-room in the Gun Carriage Factory.	6,245	...	...	...	4,105		8	G.O., No. 2946 W., dated 5th November 1887.
	...	...	9	Minor works under Ordnance ...	...	...	...	...	9,570		9	
(3) *Commissariat buildings.*	West Coast.	Calicut ...	10	Sheds for transport animals ...	...	...	...	...	3,310		10	Estimate is awaited. Item No. 46, class C works, budget of 1887-88.
(8) *Fortifications.*	Do. ...	Cannanore ...	11	Converting the Cannanore Fort into a defensible post.	7,790	4,347	...	3,064	...		11	G.O., No. 3274 W., dated 1st December 1887.
	North Arcot.	Vellore ...	12	Constructing a draw-bridge and gate for the fort.	6,450	...	...	...	6,450		12	G.O., No. 528 W., dated 7th March 1885. Item No. 11, class B works, budget of 1887-88.
	Presidency.	Bangalore ...	13	Constructing a fire-engine shed and guard-room in the Agram entrenchment.	5,555	...	...	...	5,555		13	G.O., No. 536 W., dated 16th February 1888.
			14	Reserve with the Government for incomplete major works.	...	...	...	15,973	...		14	
			15	Minor works	...	...	...	...	20,000		15	
				Total ...	...	...	...	41,687	1,34,273	1,75,960		

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APPENDIX B.

LIST OF WORKS (OR CLASS C WORKS) OMITTED FROM THE BUDGET-ESTIMATE OF 1888-89, BUT ON WHICH EXPENDITURE MAY BE INCURRED DURING THE YEAR BY RE-APPROPRIATION FROM CLASS B WORKS.

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.	Outlay. Actual to end of 1886-87.	Outlay. Probable during 1887-88.	Amount applied for 1888-89. Works in progress.	Amount applied for 1888-89. Works not commenced.	Amount applied for 1888-89. Total.	Item No.	Remarks and References.
					Rs.	Rs.	Rs.	Rs.	Rs.	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	...	...	...	6,140		1	G.O., No. 320 W., dated 7th February 1884. Item No. 4, class C works, budget of 1887-88.
	Do. ...	Do. ...	2	Alterations and additions to Military prison and adjoining buildings.	...	...	...	...	11,260		2	Estimate is awaited. Item No. 5, class C works, budget of 1887-88.
	Do. ...	Do. ...	3	Swimming-bath, British Infantry.	7,644	...	...	...	7,644		3	G.O., No. 2434 W., dated 19th October 1885. Item No. 3, class C works, budget of 1887-88.
	Do. ...	Do. ...	4	Armourer's shop, 2nd Light Cavalry.	2,695	...	...	...	2,695		4	G.O., No. 2266 W., dated 14th September 1881. Item No. 1, class C works, budget of 1887-88.
	Do. ...	Do. ...	5	Quarters for the Bandmaster, British Infantry.	...	...	...	...	3,520		5	Estimate is awaited.
	Do. ...	Do. ...	6	Quarters for Schoolmaster, British Infantry Regiment.	...	...	...	...	2,950		6	Do. do.
	Do. ...	Do. ...	7	Quarters for Schoolmistress, British Infantry Regiment.	...	...	...	...	2,950		7	Do. do.
	Nílgiri ...	Wellington ...	8	Gymnasium, 2nd Royal Fusiliers.	...	...	...	...	10,000		8	Estimate is awaited. Item No. 7, class C works, budget of 1887-88.
	West Coast.	Calicut ...	9	A new barrack with subsidiary buildings for 30 men.	...	...	...	...	20,000		9	Estimate is awaited. Item No. 10, class C works, budget of 1887-88.
	Chingleput	Poonamallee...	10	Improving the old barracks ...	...	...	...	...	5,000		10	Estimate is awaited. Item No. 31, class C works, budget of 1887-88.
	Do. ...	Do. ...	11	Warrant Officers' quarters ...	...	...	...	...	3,500		11	Estimate is awaited. Item No. 32, class C works, budget of 1887-88.
	Do. ...	Do. ...	12	Two Staff Sergeants' quarters, first class.	...	...	...	...	6,000		12	Estimate is awaited. Item No. 33, class C works, budget of 1887-88.
	Do. ...	Do. ...	13	Coffee shop	...	...	...	...	9,000		13	Estimate is awaited. Item No. 34, class C works, budget of 1887-88.
	Do. ...	Pallávaram ...	14	One mortuary room for each of the three hospitals, Nos. 1 to 3.	...	...	...	...	3,000		14	Estimate is awaited. Item No. 30, class C works, budget of 1887-88.
	Do. ...	St. Thomas' Mount.	15	A wheeler and collar maker's shop for the West barracks.	5,660	...	...	...	5,660		15	G.O., No. 2717 W., dated 3rd November 1884. Item No. 21, class C works, budget of 1887-88.
	Do. ...	Do. ...	16	Sergeants' mess for East barracks.	5,450	...	...	...	6,000		16	G.O., No. 1118 W., dated 14th April 1888. Item No. 22, class C works, budget of 1887-88.
	Do. ...	Do. ...	17	Quarters for 3 Medical Subordinates attached to the Station Hospital.	...	...	...	...	8,000		17	Estimate is awaited. Item No. 24, class C works, budget of 1887-88.
	Do. ...	Do. ...	18	Quarters for head-quarters staff, Royal Artillery.	...	...	...	...	12,000		18	Estimate is awaited. Item No. 25, class C works, budget of 1887-88.
	Do. ...	Do. ...	19	General improvements to the drains of the cantonment.	...	...	...	...	10,000		19	Estimate is awaited. Item No. 23, class C works, budget of 1887-88.

APPENDIX B—cont.

LIST OF WORKS (OR CLASS C WORKS) OMITTED FROM THE BUDGET-ESTIMATE OF 1888-89, BUT ON WHICH EXPENDITURE MAY BE INCURRED DURING THE YEAR BY RE-APPROPRIATION FROM CLASS B WORKS—cont.

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.	Outlay.		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.	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 Roy Artillery, East barracks.	...	...	...	...	5,000		20	Estimate is awaited. Item No. 26, class C works, budget of 1887-88.
	Do. ...	Do. ...	21	Raising the roof of harness om, troop lines.	4,200	...	...	...	4,200		21	G.O., No. 3137 W., dated 17th December 1881. Item No. 27, class C works, budget of 1887-88.
	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	...	...	...	2,520		22	G.O., No. 1234 W., dated 28th May 1885. Item No. 29, class C works, budget of 1887-88.
	Presidency.	Fort St. George.	23	Remodelling the drainage ...	...	...	...	...	10,000		23	Estimate is awaited. Item No. 14, class C works, budget of 1887-88.
	Do. ...	Do. ...	24	Sundry works in connection with extra accommodation, British Infantry and Royal Artillery.	...	...	...	...	20,000		24	Estimate is awaited.
	Do. ...	Do. ...	25	Repairs to floors of B, C and D blocks family quarters.	...	...	...	...	10,070		25	Do. do.
	Do. ...	Do. ...	26	Construction of coach houses and stables for the use of officers.	...	...	...	...	15,770		26	Estimate is awaited. Item No. 15, class C works, budget of 1887-88.
	Do. ...	Do. ...	27	Constructing two solitary cells in the Military prison.	...	...	...	...	2,800		27	Estimate is awaited.
	Do. ...	Bangalore ...	28	Quarters for Schoolmaster and Schoolmistress, Royal Artillery.	10,240	...	...	...	10,240		28	G.O., No. 2384 W., dated 20th September 1886. Item No. 17, class C works, budget of 1887-88.
	Do. ...	Do. ...	29	New orderly room, or conversion of Quartermaster's stores into orderly room and stores, 12th Lancers.	...	...	...	...	6,500		29	Estimate is awaited. Item No. 18, class C works, budget of 1887-88.
	Do. ...	Do. ...	30	Battery office for Royal Horse Artillery.	...	...	...	...	3,700		30	Estimate is awaited.
	Do. ...	Do. ...	31	Buildings for wheeler's shop, Royal Artillery.	...	...	...	...	3,100		31	Do. do.
	Do. ...	Do. ...	32	Drainage of Royal Horse Artillery grass-cutters' lines at Ulsoor and preventing the fouling of the adjacent nullah.	...	...	...	...	2,846		32	Do. do.
	Do. ...	Do. ...	33	Drainage, British Infantry barracks	...	...	...	...	8,000		33	Do. do.
	Do. ...	Do. ...	34	Quarters for Senior Apothecary North Station hospital.	5,300	...	...	...	5,300		34	G.O., No. 3385 W., dated 27th November 1883. Item No. 19, class C works, budget of 1887-88.

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APPENDIX B—cont.

LIST OF WORKS (OR CLASS C WORKS) OMITTED FROM THE BUDGET-ESTIMATE OF 1888-89, BUT ON WHICH EXPENDITURE MAY BE INCURRED DURING THE YEAR BY RE-APPROPRIATION FROM CLASS B WORKS—cont.

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.	Outlay.		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.	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	...	...	...	4,773		35	G.O., No. 938 W., dated 5th April 1884. Item No. 20, class C works, budget of 1887-88.
	Vizagapatam.	Vizianagram.	36	Regimental store-room for Native Infantry, including storage for camp equipage.	3,480	...	...	...	3,480		36	G.O., No. 2628 W., dated 27th October 1884. Item No. 35, class C works, budget of 1887-88.
	Bellary ...	Bellary ...	37	School-house for Native Infantry Regiment.	3,030	...	...	...	3,030		37	G.O., No. 149 W., dated 17th January 1884. Item No. 36, class C works, budget of 1887-88.
	West Coast.	Mangalore ...	38	Providing drains for the lines of Native Infantry.	...	...	...	...	11,710		38	Estimate is awaited. Item No. 38, class C works, budget of 1887-88.
	Chingleput.	Pallávaram ...	39	Magazine for Madras Infantry Regiment on standard plan.	4,900	...	...	...	4,500		39	G.O., No. 334 W., dated 8th February 1886. Item No. 41, class C works, budget of 1887-88.
	Do. ...	Do. ...	40	Armourer's shop for Madras Infantry Regiment.	2,880	...	...	...	2,880		40	G.O., No. 3149 W., dated 22nd December 1884. Item No. 42, class C works, budget of 1887-88.
	Presidency.	Bangalore ...	41	Public buildings for a regiment of Native Infantry.	30,990	...	...	...	15,000		41	G.O., No. 1302 W., dated 25th May 1886. Item No. 6, class B works, budget of 1887-88.
	Do. ...	Madras ...	42	Flushing drains of Native Infantry lines at Ráyapuram.	4,300	...	...	...	4,300		42	G.O., No. 1397 W., dated 4th June 1884. Item No. 40, class C works, budget of 1887-88.
	Trichinopoly.	Trichinopoly.	43	Store-rooms and workshop, &c., for four Pioneers.	...	...	...	...	4,900		43	Estimate is awaited. Item No. 43, class C works, budget of 1887-88.
(2) *Ordnance Works* ...	Bellary ...	Bellary ...	44	Constructing six double quarters for the Staff Sergeants attached to the Ordnance Department.	42,420	...	...	...	10,000		44	G.O., No. 1650 W., dated 18th June 1887. Item No. 8, class B works, budget of 1887-88.
	Presidency.	Fort St. George.	45	Magazines	...	...	...	...	33,000		45	Estimate is awaited. Item No. 9, class B works, budget of 1887-88.
	Do. ...	Madras ...	46	Providing sun-shades to doors and windows in the Ordnance Lines.	4,160	...	...	...	4,160		46	G.O., No. 2248 W., dated 22nd August 1887.
	Do. ...	Do. ...	47	Shed for the camp equipage ...	6,935	...	...	...	6,935		47	G.O., No. 2558 W., dated 27th September 1887. Item No. 51, class C works, budget of 1887-88.
(3) *Commissariat Buildings.*	Chingleput.	St. Thomas' Mount.	48	Wooden-shed at the proof range.	2,820	...	...	...	2,820		48	G.O., No. 3077 W., dated 13th December 1884.
	Nílgiri ...	Wellington ...	49	Quarters for three Hospital Purveyors.	4,750	...	...	...	4,500		49	G.O., No. 615 W., dated 21st February 1888.

APPENDIX B—concld.

LIST of WORKS (or CLASS C WORKS) omitted from the BUDGET-ESTIMATE of 1888-89, but on which EXPENDITURE may be INCURRED during the year by RE-APPROPRIATION from CLASS B WORKS—concld.

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate	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.	Rs.		
				Brought forward ...								
				IMPERIAL ORDINARY—*concld.*								
				MILITARY—*concld.*								
				Original Works—concld.								
(3) *Commissariat Buildings.*	West Coast.	Malapuram ...	50	Cattle shed for the Commissariat Department.	...	...	...	...	4,000		50	Estimate is awaited.
	Do. ...	Quilon ...	51	Armourer's shop	...	...	...	...	2,600		51	Estimate is awaited.
	Chingleput.	Guindy ...	52	Quarters for Station Butcher attached to slaughter-house.	...	...	...	...	4,740		52	Estimate is awaited. Item No. 53, class C works, budget of 1887-88.
	Presidency.	Bangalore ...	53	Quarters for a Conductor, Transport Department.	5,800	...	...	...	5,800		53	G.O., No. 992 W., dated 16th April 1886. Item No. 47, class C works, budget of 1887-88.
	Do. ...	Do. ...	54	Quarters for an Ambulance Sergeant near Cattle lines, Transport Department.	...	...	...	...	3,000		54	Estimate is awaited. Item No. 48, class C works, budget of 1887-88.
	Do. ...	Madras ...	55	Workshops and sheds for carts, doolies, &c., Transport Department.	...	...	...	...	40,680		55	Estimate is awaited. Item No. 49, class C works, budget of 1887-38.
	Do. ...	Do. ...	56	Quarters for a Conductor, Commissariat Department.	...	...	...	...	4,000		56	Estimate is awaited.
	Do. ...	Teynampet ...	57	Constructing a wheat godown ...	...	...	...	...	5,950		57	Estimate is awaited. Item No. 52, class C works, budget of 1887-88.
(8) *Fortifications* ...	West Coast.	Malapuram ...	58	Constructing a fortified post ...	8,248	...	...	...	5,000		58	G.O., No. 3114 W., dated 18th November 1887. Item No. 55, class C works, budget of 1887-88.
	Presidency.	Fort St. George	59	Demolition of Wallajah ravelin and two lunettes.	...	...	...	...	7,426		59	Estimate is awaited. Item No. 57, class C works, budget of 1887-88.
	Do. ...	Do. ...	60	Constructing a draw-bridge at north gate.	...	...	...	...	2,680		60	Estimate is awaited. Item No. 58, class C works, budget of 1887-88.
	Do. ...	Do. ...	61	Demolition of out-houses, clearance of ditch and completion of walls.	...	...	...	...	10,000		61	Estimate is awaited.
(4) *Staff and Miscellaneous.*	Nilgiri ...	Ootacamund.	62	Water-supply, Lawrence Asylum...	...	...	...	...	7,000		62	Estimate is awaited. Item No. 54, class C works, budget of 1887-88.

1453/4

23rd April 1888, No. 1199 W., Public Works.

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	1,45,707	1,42,600	1,62,300	57,300
Original Works { Not commenced				63,300
Repairs	3,11,795	3,00,000	2,78,500	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
	5,68,845	5,50,000	5,50,000	5,25,000
Add—Grants sanctioned since submission of revised estimate	...	...	7,500 16,000	...
	5,68,845	5,50,000	5,73,500	5,25,000
Add—Grant sanctioned for Ordnance Works ...	...	...	...	99,300
	5,68,845	5,50,000	5,73,500	6,24,300
Deduct Expenditure in England	1,638	...	...	...
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.

L453/12

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	10,655
Tools and plant	695
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.

Exd. J. Moses.
Spare Copies

1453/13

GENERAL.
ACCOUNT.

Govt. of {1888} Madras.

PUBLIC WORKS.

Dated April, 23rd.

Recd. *Encl*

G.O., 23rd Apr. 1888, No. 1199 W.

APRIL.

Military Works Budget Estimate for 1888-89

Orders circulating the final issue of the Imperial—.

Appendix to G.O., No. 139 W., dated 17th January 1888.

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.	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.	RS.		
				IMPERIAL, ORDINARY.								
				MILITARY.								
				Original Works.								
2. Ordnance Works.	Bellary ..	Bellary ..	1	New workshops for the Arsenal.	..	..	6,858	18,000	..	..	1	Estimate is awaited.
	Do. ..	Do. ..	2	Armourer's shop for the Arsenal.	..	..	..	..	4,650	..	2	Do. do.
	Presidency ..	Madras ..	3	Turner's shop, Gun Carriage Factory.	..	..	..	..	10,000	..	3	Do. do.
	Do. ..	Do. ..	4	Extra accommodation as store room in the Gun Carriage Factory.	6,245	..	..	..	6,000	..	4	G.O., No. 2946 W., dated 5th November 1887.
	Do. ..	Do. ..	5	Constructing a new shed at the Camp Equipage Depôt.	6,935	..	..	..	6,935	..	5	G.O., No. 2558 W., dated 27th September 1887.
	..	..	6	Minor works	..	..	..	..	9,570	..	6	
				Total ..	..	..	..	18,000	37,155	55,155		

ABSTRACT of the Budget Estimate of Expenditure on Ordnance Works in Madras for the year from 1st April 1888 to 31st March 1889.

		Budget Estimate, 1888-89.
		RS.
Original Works ...	In progress	18,000
	Not commenced	37,155
Establishment ...		12,698
Tools and Plant		827
	Total ...	68,680

1453/19

17TH JANUARY 1888, No. 190 W., PUBLIC WORKS.

1957/15

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

READ—the following paper :—

From Colonel R. F. LOWIS, Director-General of Ordnance in India, to the Secretary to the Government of Madras, Public Works Department, dated Agra, 2nd January 1888, No. 90 E. (Tour).

With reference to the correspondence ending with my No. 62 E (Tour), dated the 16th December 1887, I have the honor to forward the following list of ordnance works which it is desired should be undertaken in the order shown in the Madras Presidency during the official year 1888-89. The amount available for each work is as entered opposite it, and is, it will be noted, in addition to the usual charges for establishment, tools and plant :—

Description of work.	Required for	Amount.	Remarks.
		RS.	
Workshop	Bellary Arsenal ...	18,000	Or only Rs. 8,000 if the Rs. 10,000 allotted this year is spent on this work before 31st March next.
Turners' shop	Gun Carriage Factory, Madras.	10,000	
Store-rooms	Do. ...	6,000	
Guard-room	Do. ...	2,570	
Armourers' shop	Bellary Arsenal ...	4,650	
Receipt and Issue godown near Arsenal gate.	Rangoon Arsenal ...	2,500	If desired, this will be communicated direct to the Public Works Department, British Burmah.
Shed	Camp Equipage Depôt, Madras.	6,935	
Minor and petty works for Ordnance establishments in the Madras Presidency as required.	......	7,000	
	Total ...	57,655	
Add percentage for establishment, tools and plant ...		14,145	
	Grand Total ...	71,800	

2. I trust every endeavour will be made to prepare the necessary plans and estimates as soon as possible, and to finish the works in question before the 31st March 1889.

3. As heretofore the plans and estimates, when ready, should be sent to the Inspector-General of Ordnance, Madras Circle, for approval and countersignature.

4. I shall be obliged by being informed, on 1st August 1888, of the progress made towards the completion of the several works, and whether they are all likely to be completed, or not, before the end of 1888-89, to enable me to frame the annual statement of buildings for 1889-90, which is due to the Government of India on 1st October 1888.

5. Under the authority of the Public Works Department Code, the Inspector-General of Ordnance has, I believe, power to sanction petty works, the estimated cost of which, in each case, does not exceed Rs. 500. The cost of the petty works, as required, is included in the allotment for minor and petty works.

Order—dated 17th January 1888, No. 189 W., Public Works.

Ordered that the accompanying list of ordnance works, proposed by the Director-General of Ordnance for execution during 1888-89, be printed and circulated for the information and guidance of the officers concerned, and four copies forwarded to the Government of India with the intimation that the works detailed therein will, with the approval of the Government of India, be embodied in the final issue of the military works budget for 1888-89.

2. The sum of Rs. 71,800 allotted by the Director-General of Ordnance includes Rs. 3,120* for a receipt and issue godown near Arsenal Gate, Rangoon. As this work is outside the Public Works Department limits of the Madras Presidency, the grant will be replaced at the disposal of the Director-General for assignment to the Public Works Department of British Burmah. The difference, Rs. 68,680, will be treated as the total assignment for ordnance works of this presidency.

	RS.
* Works	2,500
Establishment and tools and plant...	620
Total ...	3,120

3. For the new workshops for the Arsenal at Bellary the Director-General has provided Rs. 18,000 on the supposition that a portion of the current year's grant of Rs. 10,000 for the work will be spent before the close of the year. But as the estimate is still unsanctioned it is not likely that there will be a large expenditure on the work in the current year. The amount allotted by the Director-General for next year may, however, stand, subject to reduction if found necessary hereafter.

4. For constructing the police guard-room at the Gun Carriage Factory, Madras, a sum of Rs. 2,570 has been provided under Major Works, but the estimate sanctioned † for the work amounts to Rs. 2,460 only. It will therefore be classed as a minor work, and the provision of Rs. 2,570 added to the lump sum grant for "Minor Works," which will then amount to Rs. 9,570. This sum will, as usual, be held at the disposal of Government; and, after providing for incomplete works of the current year, the balance will be placed at the disposal of the Inspector-General of Ordnance for appropriation for such works as he may consider necessary. Superintending Engineers will, in submitting their statements of demands for incomplete and minor works under Imperial, Military, prepare separate lists for ordnance works.

† *Vide* G.O., No. 2705 W., 13th Oct. 1887.

5. Plans and estimates for items 1 to 3 should be submitted as early as possible to admit of the grants being utilised, the approval and countersignature of the Inspector-General of Ordnance, Madras, being obtained in the first instance, as pointed out in paragraph 3 of the Director-General's letter.

6. The attention of all Superintending Engineers is drawn to paragraph 4, in view to the required information being furnished by those officers to the Director-General by 1st August of every year.

7. With reference to paragraph 5 of his letter, the Director-General is informed that, under paragraph 1073 of the Madras Public Works Code, the Inspector-General of Ordnance is empowered to sanction estimates for minor works to the extent of Rs. 500 in each case.

(Here enter No. 190 W., dated 17th January 1888.)

(True Extract.)

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

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

Endorsement—dated 17th January 1888, No. 190 W., Public Works.

Copy of the above forwarded to the Government of India, Military Department.

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

Exd. E. Fernandez.
Spare Copies

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1888} Madras.
PUBLIC WORKS.

Dated January, 17th.

Recd. *Encl.*

G.O., 17th Jan. 1888, No. 190 W.

JANUARY.

Ordnance Works

Forwarding copy of orders on list of proposed for execution during 1888-89.

Pl.d

No. 119 D

C. No. 3921
En: 5. 2 plans

Memo.

From the S.E. V Circle No 331A d/ 25th April 1888

1453/17

Forwarded for the approval of Govt in the Military Dept.

de letter transmitted with the Mily Dept Note No O.D. 8/25-4-88.

2. The Quarter Master General having intimated that estimates for Ordnance Works need no longer be sent to his dept for countersignature, it is suggested that the Inspr Genl of Ordnance be instructed to submit such estimates direct to Govt in the Mily Dept

Dept, whence, if approved they would be transferred to the P.W. Dept for final disposal. This would accord with the procedure prescribed for the submission of estimates for civil buildings, vide paras 988 & 989 of the P.W. Code.

M.W.
1.5.88

Jole
3/5/88

No 119 D of 3 May 88.

To the Mily. Dept
with papers in orig.

desp'd
3/5/88

7 F.L. 2/6.

No 331 A

Supg. Engineer's Office 5th Circle
Bangalore 25th April 1888.

1457/18

From
Colonel H. M. Vibart R.E.
Superintending Engineer
5th Circle

18

To
The Chief Engineer
P. W. Department.

Sir,

I have the honor to submit for sanction an Estimate of Rs ~~1110~~ 758 for constructing V shaped drains in rear of Ordnance Lines Madras approved and countersigned by the Inspector General of Ordnance.

Encls.
1 Estimate
2 Plans.
1 Specification

As the Inspector General of Ordnance has power to sanction Estimates for works to the extent of Rs500 only in each case, the enclosed estimate is submitted by me for sanction, direct instead of through Military Authorities as hitherto.

I have the honor to be
Sir,
Your Most Obedt. Servant,
H. M. Vibart Col. R.E.
Supg. Engineer 5th Circle

119 D - 3-5-88.
190 do 17-1-88.
1199 do 23-4-88.

SECRETARY TO GOVERNMENT,
-4 MAY 88
P.W. DEPARTMENT, MADRAS.

No 3009

Approved

A. Kenney Herbert
Br. Genl
Secretary to Government

Ext. accd.
4th May /88

To
The P.W.D. under
refer to Memo No. 119 D
dated 3d May /88

R. 17

7/5 9/V

P.W.Cu. 3921

From
The Superintg: Engineer,
V Circle.
To
The Chief Engineer,
P.W. Departm

Dated 25th
Recd. 7
April 188

No 331A.

Enclosures 4.

Ordnance Lines, Madras — Submits for sanction an estimate of Rs 758 for constructing V shaped drains in rear of —

Cu. No. 3921.

C.A.W.

Please see No. 119 D d/ 3.V.88. I have already noted on the estimate and you could perhaps think of disposing of the paper here now.

1453/19

D.M.c
5.V.88

B

The above C. No. gives cover to an estimate of Rs 758 for constructing drains to the Ordnance Lines, Madras. Please note as to funds.

The papers are here.

R.S.
5.V.88

C.A.W.

A sum of Rs 9570 is reserved in the current year's budget for minor ordnance works. As this sum will, after providing for incomplete works of 1887-88, be placed at the disposal

3 encl.

61 / F.W.A.
Examr.
Military Department

R.S.

Public Works Department.

Current No. 3921
Letter No. 331A
Dated 25th April 1888
From the Supdg: Engr: V Circle

1453/20

NOTE OF REMARKS.

The estimate under review amounting to Rs 758 provides for constructing a surface drain in rear of the Ordnance Lines in the North Esplanade at Madras.

It is explained in the report that the Municipality are closing the underground drains, and that the one at the back of the Ordnance lines, into which the

11/5/88

of the I. G. of Ordnance f
appropriation by him for
such of the new (minor)
works as he may consi
necessary, the estimate
for "Constructing drain
to the ordnance lines
Madras" can therefore
be sanctioned and if, fr
the papers in connection
the urgency of the wo
is apparent, the Sec
may be asked to app
to the I. G. of Ordnance
for necessary funds

Jp
7/5

X vide para 9 of C O No. 1891
of 17th Jany 88.

R. 17

7/5 — dd. 9/5.

Public Works Department.

Current No. 3921
Letter No. 331/A
Dated 25th April 1888
From the Supg: Engr: II Circle

14 53/20

NOTE OF REMARKS.

The estimate under review amounting to Rs 758 provides for constructing a pucca drain in rear of the Ordnance lines in the North Esplanade at Madras.

It is explained in the report that the municipality are closing the underground drains, and that the one at the back of the Ordnance lines, into which

Suptg: Engr: 2nd Circle, 5 enclosures
Exam: P. W. A.
Military Department

R. J.

Jlle
11/5/88

is about to be closed and that it is therefore necessary that arrangements should be made for carrying off the water.

It is stated that a similar arrangement has been made to drain the Ordnance lines in the South Esplanade.

There is no data in this Office by which the rates can be checked.

Petty supervision and contingencies are charged for at 7½ & 5 per cent respectively.

The Estimate has been countersigned by the Inspector General of Ordnance but without

---

If no remarks are needed, the estimate will be forwarded to the Mily Dept for approval.

C.

30/4/88

Yes

30.4.88

W.P./A.

No. 1453 W

B & R
Mily Works

PUBLIC WORKS DEPARTMENT.

3 P

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 17th May 1888

READ the following

Letter from the Suptg: Engr: V. Circle H.E. No. 331 A, dy 25th April 1888.
Endorsement thereon in the Mily: Dept. " " 3009. dy 4th May 1888

1453
21

The estimate amounting to Rs. 758 for constructing V shaped drains to the Ordnance lines, Madras, is sanctioned.

The Superintending Engineer V Circle will, in due course, apply to the Inspector General of Ordnance for an allotment from the grant which will be placed at the disposal of that Officer, as arranged in para 4 of G. O. 189. W. dated 17th January 1888.

This sanction has been registered as Imperial No. 11 of 1888-89 and classified as Original Works Military.

F.P.H.
14 May

LO
11/5

Jdu
11/5/88

T.

The Suptg: Engr: V Circle, with 5 enclosures
" Exam: P. W. A.
" Military Department

R.

J

15

17/5-

[illegible] 9:

[illegible] 12:

[illegible] 15

1453/22

Gobt. of {1888} Madras.

PUBLIC WORKS.

1875

Dated

Recd. Encl.

G.O. 17 May 1888, No. 1453 W.

Ordnance Lines Madras

=

Estimate for constructing V shaped drains to the — Sanctioned

95/5

8 Oct 1876 7-5