(1) பக்கங்களின் எண்ணிக்கை 50

(2) புதுக்கித் திருப்பிய நாள் June 90

(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம்

தமிழ்நாடு ஆவணக் காப்பகம்.

27

தமிழ்நாடு அரசு

P.W.D துறை

அரசாணை எண்.
மு. கோப்புத் தாள் எண். 2988

அச்சகம்
பலவகை

நாள் : 22 — 10 - 1889 X .

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PRELIMINARY ISSUE.

2488

IMPERIAL.
MILITARY WORKS.

MADRAS.

PUBLIC WORKS DEPARTMENT.

IMPERIAL BUDGET-ESTIMATE

OF

MILITARY WORKS

OF THE

GOVERNMENT OF MADRAS

FOR THE YEAR

1889-90.

CHEPÂK,
18th December 1888.

(Signed) H. R. MEAD, Colonel, R.E.,
Ag. Secy. to Govt., P.W.D.

2988

IMPERIAL
MILITARY WORKS

MADRAS.

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IMPERIAL.
MILITARY WORKS.

MADRAS.

REVENUE.

ABSTRACT OF THE BUDGET-ESTIMATE OF REVENUE OF THE PUBLIC WORKS DEPARTMENT FROM MILITARY WORKS IN MADRAS FROM 1st APRIL 1889 TO 31st MARCH 1890.

——	Actuals, 1887-88.	Budget-Estimate, 1888-89.	Revised Estimate, 1888-89.	Budget-Estimate, 1889-90.
	Rs.	Rs.	Rs.	Rs.
In Public Works Department	26,973	27,800	27,000	27,000
In Civil and Military Departments	...	...	...	...
Total ...	26,973	27,800	27,000	27,000

CHARGES.

ABSTRACT OF THE BUDGET-ESTIMATE OF EXPENDITURE OF THE PUBLIC WORKS DEPARTMENT OF MILITARY WORKS IN MADRAS FROM 1st APRIL 1889 TO 31st MARCH 1890.

——	Reference to Detailed Estimate.	Actuals, 1887-88.	Budget-Estimate, 1888-89.	Revised Estimate, 1888-89.	Budget-Estimate, 1889-90.
		Rs.	Rs.	Rs.	Rs.
Original Works { In progress / Not commenced }	...	1,30,814	2,08,550	2,15,092	{ 1,12,842 / 1,36,058
Repairs ... ... { Ordinary / Special }	...	2,96,596	3,00,000	2,93,400	3,00,000
Establishment	...	98,303	1,08,755	1,08,742	1,27,600
Tools and Plant	...	6,323	6,995	6,994	8,200
Suspense Account	...	...	...	...	...
Total ...	...	5,32,036	6,24,300	6,24,228	6,84,700

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.

——	Actuals, 1887-88.	Budget-Estimate, 1888-89.	Revised Estimate, 1888-89.	Budget-Estimate, 1889-90.							
				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 ...	5,28,310	6,24,300	6,24,228	1,12,842	1,36,058	2,48,900	3,00,000	1,27,600	8,200	... ...	6,84,700
In England.	...	...	...	...	...	...	...	...	...	... ...	...
Total ...	5,28,310	6,24,300	6,24,228	1,12,842	1,36,058	2,48,900	3,00,000	1,27,600	8,200	... ...	6,84,700
Provision from Contributions.											
In India ...	3,726	...	...	...	...	...	...	...	...	... ..	...
Grand Total...	5,32,036	6,24,300	6,24,228	1,12,842	1,36,058	2,48,900	3,00,000	1,27,600	8,200	... ...	6,84,700

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

——	Actuals, 1887-88.	Budget-Estimate, 1888-89.	Revised Estimate, 1888-89.	Budget-Estimate, 1889-90.					
				Original Works.			Tools and Plant.	Suspense Account.	Total.
				In progress.	Not commenced.	Total.			
Nil.									

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.	1,91,412
	Chingleput.	Poonamallee ...	2	New barracks	1,66,885
	Nilgiri ...	Wellington ...	3	Quarters for three Apothecaries ...	16,000
	Presidency.	Fort St. George	4	Converting the old Adjutant-General's office into barracks for single men.	25,097
1. *Accommodation for troops*— Buildings for Native troops.	Do.	Bangalore ...	5	Additions to public buildings, Madras Infantry Regiment, for a Pioneer Regiment.	30,346
2. *Ordnance works* ...	Bellary ...	Bellary ...	6	New workshops for the Arsenal ...	45,500
				Total ...	...

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MADRAS.

I.

ORIGINAL WORKS FOR THE YEAR 1889-90.

WORKS.

Outlay.		Grant, 1889-90.			Item No.	Remarks and References.
Actual to end of 1887-88.	Probable during 1888-89.	Works in progress.	Works not commenced.	Total.		
Rs.	Rs.	Rs.	Rs.	Rs.		
1,39,673	20,000	20,000	...		1	G.O., No. 3737 W., dated 27th November 1888. Item No. 2, class A works, budget of 1888-89.
6,607	20,000	30,000	...		2	G.O., No. 465 W., dated 19th February 1879. Revised estimate is awaited. Item No. 2, class B works, budget of 1888-89.
...	6,500	9,500	...		3	G.O., No. 2448 W., dated 13th August 1888. Item No. 1, class B works, budget of 1888-89.
15,586	3,820	5,400	...	64,900	4	G.O., No. 3000 W., dated 9th November 1887.
21,903	3,210	5,000	...	5,000	5	G.O., No. 3237 W., dated 12th October 1888. Item No. 3, class A works, budget of 1888-89.
6,889	22,650	15,992	...	15,992	6	G.O., No. 2527 W., dated 17th August 1888. Item No. 5, class B works, budget of 1888-89.
...	...	85,892	...	85,892		

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.	Presidency.	B. Fort St. George.	1	Converting the block of buildings containing the main guard, No. 6, Captains' quarters, &c., into barracks for single men.	5,785
	Do. ..	Do. ...	2	Institutes of British Regiments and Batteries in the Presidency.	...
1. *Accommodation for Troops*— Buildings for Native troops.	Presidency.	R[illegible]ore ...	3	Public buildings for a regiment of Native Cavalry.	30,990
	Bellary ...	Bellary ...	4	New saddle rooms for the Madras Cavalry Regiment	...
	North Arcot.	Vellore ...	5	Providing accommodation in the Fort for two companies, Native Infantry.	...
2. *Ordnance* ...	Bellary ...	Bellary ...	6	Quarters for Warrant and Non-Commissioned officers, Bellary Arsenal.	42,420
	Do. ...	Do. ...	7	Timber-shed, Bellary Arsenal ...	...
	Presidency.	Madras ...	8	Shed for the camp equipa[illegible] ...	6,935
	Do. ...	Do. ...	9	Workshops, Gun Carriage Factory.	...
			10	Reserve with the Government for incomplete ordnance works.	...
			11	Minor works under Ordnance ...	...
7. *General Cantonment works.*	Bellary ...	Guntakal ...	12	New rest-house and site for the rest camp.	...
8. *Fortifications* ...	Presidency.	Madras ...	13	Alterations to the Rifle Ranges at Veyasarpaudy.	6,076
			14	Reserve with the Government for incomplete major works.	...
			15	Reserve with the Government for incomplete minor works.	...
			16	New minor works	...
				Total ...	...
				[illegible] Grand Total ...	...

I—*cont.*

ORIGINAL WORKS FOR THE YEAR 1889-90.

WORKS.

Outlay.		Grant, 1889-90.			Item No.	Remarks and References.
Actual to end of 1887-88.	Probable during 1888-89.	Works in progress.	Works not commenced.	Total.		
Rs.	Rs.	Rs.	Rs.	Rs.		
...	...	...	5,785		1	G.O., No. 2612 W., dated 24th August 1888.
...	...	...	20,000	25,785	2	Estimates are awaited.
...	...	...	20,000		3	G.O., No. 1302 W., dated 25th May 1886. Item No. 41, class C works, budget of 1888-89.
...	...	...	10,000		4	Estimate is awaited.
...	...	...	3,490	33,490	5	Do.
...	...	...	15,000		6	G.O., No. 1650 W., dated 18th June 1887.
...	...	...	2,590		7	Estimate is awaited.
...	...	...	6,935		8	G.O., No. 2558 W., dated 27th September 1887. Item No. 47, class C works, budget of 1888-89.
...	...	...	19,483		9	Estimate is awaited.
...	...	3,050	...		10	
...	...	...	5,000	52,058	11	
...	...	...	6,699		12	Estimate is awaited.
...	...	...	6,076	12,775	13	G.O., No. 3150 W., dated 8th October 1888.
...	...	13,900	...	13,900	14	
...	...	10,000	...	10,000	15	
...	...	...	15,000	15,000	16	
..	...	26,950	1 36,058	1,63,008		
...	...	1,12,842	1,36,058	2,48,900		

APPENDIX

LIST OF WORKS (OR CLASS C WORKS) OMITTED FROM THE BUDGET-ESTIMATE OF 1889-90, 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*—	Bellary ...	Bellary ...	1	Swimming-bath, British Infantry.	7,644
Buildings for European troops in the plains. Permanent.	Do. ...	Do. ...	2	Alterations and additions to the military prison.	...
	Do. ...	Do. ...	3	Guard-room for the station hospital.	4,290
	Do. ...	Do. ...	4	Infectious disease ward, cook-house and station hospital.	6,140
	Do. ...	Do. ...	5	Purveyor's quarters for the station hospital.	3,046
	Do. ...	Do. ...	6	Reroofing verandah of marriage range, European Infantry Barracks.	13,307
	Nilgiri ...	Wellington ...	7	Quartermaster's stores and office for British Infantry Regiment.	...
	Do. ...	Do. ...	8	A ward to accommodate 35 men, station hospital.	...
	Do. ...	Do. ...	9	Gymnasium, 2nd Royal Fusiliers.	...
	Do. ...	Do. ...	10	Quarters for three hospital purveyors.	4,750
	Do. ...	Do. ...	11	Constructing hut barracks for 500 men.	...
	Do. ...	Ootacamund...	12	Quarters for a Sub-Conductor attached to the Army headquarters.	...
	Do. ...	Do. ...	13	Converting the Sapper hospital building on Stonehouse Hill into quarters for two Sergeant Instructors, N.V. Rifles.	3,600
	West Coast.	Calicut ...	14	A new barrack with subsidiary buildings for 30 men.	...
	Presidency...	Bangalore ...	15	One block of two quarters for two Sergeants, "Queen's Own" Sappers and Miners.	...
	Do. ...	Do. ...	16	Quarters for Schoolmaster and Schoolmistress, Royal Artillery.	10,240

B.

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

Outlay.		Amount applied for 1889-90.			Item No.	Remarks and References.
Actual to end of 1887-88.	Probable during 1888-89.	Works in progress.	Works not commenced.	Total.		
Rs.	Rs.	Rs.	Rs.	Rs.		
...	...	...	7,644		1	G.O., No. 2434 W., dated 19th October 1885. Item No. 3, class C works, budget of 1888-89.
...	...	...	3,980		2	Estimate is awaited. Item No. 2, class C works, budget of 1888-89.
...	...	...	4,290		3	G.O., No. 1384 W., dated 17th May 1888.
...	...	...	6,140		4	G.O., No. 320 W., dated 7th February 1884. Item No. 1, class C works, budget of 1888-89.
...	...	...	3,946		5	G.O., No. 771 W., dated 7th March 1888.
...	...	...	13,307		6	G.O., No. 3420 W., dated 15th December 1887.
...	...	...	25,000		7	Estimate is awaited.
...	...	...	20,000		8	Do.
...	...	...	10,000		9	Estimate is awaited. Item No. 8, class C works, budget of 1888-89.
...	...	...	4,750		10	G.O., No. 615 W., dated 21st February 1888. Item No. 49, class C works, budget of 1888-89.
...	...	...	10,000		11	Estimate is awaited.
...	...	...	7,500		12	Do.
...	...	...	3,600		13	G.O., No. 1068 W., dated 9th April 1888.
...	...	...	20,000		14	Estimate is awaited. Item No. 9, class C works, budget of 1888-89.
...	...	...	3,000		15	Estimate is awaited.
...	...	...	10,240		16	G.O., No. 2384 W., dated 20th September 1886. Item No. 28, class C works, budget of 1888-89.

IMPERIAL.
MILITARY WORKS.

MADRAS.

APPENDIX

LIST OF WORKS (OR CLASS C WORKS) OMITTED FROM THE BUDGET-ESTIMATE OF 1889-90, 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. Actual to end of 1887-88.	Outlay. Probable during 1888-89.	Amount applied for 1889-90. Works in progress.	Amount applied for 1889-90. Works not commenced.	Amount applied for 1889-90. Total.	Item No.	Remarks and References.
				Brought forward ...	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 ...	17	New orderly room or conversion of Quartermaster's stores into orderly room and stores, 12th Lancers.	...	...	...	...	6,500		17	Estimate is awaited. Item No. 29, class C works, budget of 1888-89.
	Do. ...	Do. ...	18	Battery office for Royal Horse Artillery.	5,680	...	...	...	5,680		18	G.O., No. 2906 W., dated 17th September 1888. Item No. 30, class C works, budget of 1888-89.
	Do. ...	Do. ...	19	Buildings for Wheeler's shop, Royal Artillery.	...	...	...	...	3,100		19	Estimate is awaited. Item No. 31, class C works, budget of 1888-89.
	Do. ...	Do. ...	20	Quarters for the Senior Apothecary, North Station Hospital.	5,300	...	...	...	5,300		20	G.O., No. 3385 W., dated 27th November 1883. Item No. 34, class C works, budget of 1888-89.
	Do. ...	Do. ...	21	Quarters for the Assistant Apothecary, North Station Hospital.	4,773	...	...	...	4,773		21	G.O., No. 938/2 W., dated 5th April 1884. Item No. 35, class C works, budget of 1888-89.
	Do. ...	Madras ...	22	New military hospital on the site of the old fishing village near the Presidency College.	...	...	...	...	25,000		22	Estimate is awaited.
	Do. ...	Fort St. George.	23	Wash-houses to be built outside the barracks in lieu of the north and south wash-houses inside.	...	...	...	...	2,500		23	Do.
	Do. ...	Do. ...	24	Garrison bazaars to be done away with and new cook-houses to be built on the site.	...	...	...	...	4,500		24	Do.
	Do. ...	Do. ...	25	Repairs to floors of B, C, D blocks, family quarters.	..	...	...	...	10,070		25	Estimate is awaited. Item No. 25, class C works, budget of 1888-89.
	Do. ...	Do. ...	26	Construction of coach houses and stables for the use of officers.		...	...	...	15,770		26	Estimate is awaited. Item No. 26, class C works, budget of 1888-89.
	Chingleput.	Poonamallee...	27	Warrant officers' quarters ...	...	...	...	...	3,500		27	Estimate is awaited. Item No. 11, class C works, budget of 1888-89.
	Do. ...	Do. ...	28	Two Staff Sergeants' quarters, 1st class.	...	...	...	...	6,000		28	Estimate is awaited. Item No. 12, class C works, budget of 1888-89.
	Do. ...	Do. ...	29	Coffee-shop	...	...	...	...	9,000		29	Estimate is awaited. Item No. 13, class C works, budget of 1888-89.
	Do. ...	Pallávaram ...	30	One mortuary room for each of the three hospitals, Nos. 1 to 3.	...	...	...	...	3,000		30	Estimate is awaited. Item No. 14, class C works, budget of 1888-89.
	Do. ...	St. Thomas' Mount.	31	A wheeler and collar-maker's shop for the west barracks.	5,660	...	...	...	5,660		31	G.O., No. 2717 W., dated 3rd November 1884. Item No. 15, class C works, budget of 1888-89.

APPENDIX

LIST OF WORKS (OR CLASS C WORKS) OMITTED FROM THE BUDGET-ESTIMATE OF 1889-90, BUT ON CLASS B

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.
				Brought forward ...	Rs.
				IMPERIAL ORDINARY—*cont.*	
				Military—*cont.*	
				Original Works—cont.	
1. *Accommodation for troops*—	Chingleput.	St. Thomas' Mount.	32	Sergeants' Mess for east barracks.	5,450
Buildings for European troops in the plains. Permanent.	Do. ...	Do. ...	33	Quarters for three Medical Subordinates attached to the station hospital.	...
	Do. ...	Do. ...	34	Quarters for head-quarter staff, Royal Artillery.	...
	Do. ...	Do. ...	35	Battery office for P/1st Royal Artillery, east barracks.	3,700
	Do. ...	Do. ...	36	Raising the roof of harness-room, Troop lines.	4,200
Buildings for Native troops.	Vizagapatam	Vizianagrum.	37	Regimental store for Native Infantry, including storage for camp equipage.	3,480
	Bellary ...	Bellary ...	38	New wing places-of-arms for two regiments, Madras Infantry.	...
	Do. ...	Do. ...	39	School-house for Native Infantry Regiment.	3,030
	Nilgiri ...	Wellington ...	40	Quarters for 32 men, Army hospital, Native corps.	...
	West Coast.	Quilon ...	41	Armourers' shop	2,489
	Do. ...	Cannanore ...	42	Quarters for eleven men of the Army hospital, Native corps.	...
	Chingleput.	Pallávaram ...	43	Magazine for Madras Infantry Regiment.	4,900
	Do. ...	Do. ...	44	Armourers' shop for Madras Infantry Regiment.	2,880
2. *Ordnance works.*	Do. ...	St. Thomas' Mount.	45	Wooden shed at the proof range ...	2,820
	Presidency.	Madras ...	46	Constructing a coal store ...	...
	Do. ...	Do. ...	47	Providing sun-shades to doors and windows in the Ordnance lines.	4,160

B—*cont.*

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

Outlay.		Amount applied for 1889-99.			Item No.	Remarks and References.
Actual to end of 1887-88.	Probable during 1888-89.	Works in progress.	Works not commenced.	Total.		
Rs.	Rs.	Rs.	Rs.	Rs.		
...	...	...	5,450		32	G.O., No. 1118 W., dated 14th April 1888. Item No. 16, class C works, budget of 1888-89.
...	...	...	8,000		33	Estimate is awaited. Item No. 17, class C works, budget of 1888-89.
...	...	...	12,000		34	Estimate is awaited. Item No. 18, class C works, budget of 1888-89.
...	...	...	3,700		35	G.O., No. 1552 W., dated 28th May 1888. Item No. 20, class C works, budget of 1888-89.
...	...	...	4,200		36	G.O., No. 3137 W., dated 17th December 1881. Item No. 21, class C works, budget of 1888-89.
...	...	...	3,480		37	G.O., No. 2628 W., dated 27th October 1884. Item No. 36, class C works, budget of 1888-89.
...	...	...	60,000		38	Estimate is awaited.
...	...	...	3,030		39	G.O., No 149 W., dated 17th January 1884. Item No. 37, class C works, budget of 1888-89.
...	...	...	12,380		40	Estimate is awaited.
...	...	...	2,489		41	G.O., No. 3772 W., dated 29th November 1888.
...	...	...	3,670		42	Estimate is awaited.
...	...	...	4,900		43	G.O., No. 334 W., dated 8th February 1886. Item No. 29, class C works, budget of 1888-89.
...	...	...	2,880		44	G.O., No. 3149 W., dated 22nd December 1884. Item No. 40, class C works, budget of 1888-89.
...	...	...	2,820		45	G.O., No. 3077 W., dated 13th December 1884. Item No. 48, class C works, budget of 1888-89.
...	...	...	10,000		46	Estimate is awaited.
...	...	...	4,160		47	G.O., No. 2248 W., dated 22nd August 1887. Item No. 46, class C works, budget of 1888-89.

IMPERIAL
MILITARY WORKS.

APPENDIX

LIST OF WORKS (OR CLASS C WORKS) OMITTED FROM THE BUDGET-ESTIMATE OF 1889-90, BUT ON CLASS B

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.
					Rs.
				Brought forward ...	
				IMPERIAL ORDINARY—*cont.*	
				MILITARY—*cont.*	
				Original Works—cont.	
3. *Commissariat buildings.*	Nilgiri ...	Wellington ...	48	Quarters for a Milling Engineer, Commissariat Department.	...
	West Coast.	Calicut ...	49	A bakery	...
	Do ...	Malapuram ...	50	Cattle-shed for the Commissariat Department.	...
	Do. ...	Do. ...	51	Sheds for 12 bullocks and 10 mules.	2,824
	Chingleput.	Guindy ...	52	Quarters for the station butcher attached to the slaughter-house.	3,600
	Do. ...	Saidápet ...	53	Constructing a new road from the Mount Road direct to the slaughter-house.	3,468
	Presidency.	Madras ...	54	Workshops and sheds for carts and cattle, Transport Department.	...
	Do. ...	Do. ...	55	Mule-shed at Transport lines, Pudupet.	...
	Do. ...	Do. ...	56	Quarters for two Staff Sergeants at Pudupet.	...
	Do. ...	Do. ...	57	Quarters for a Conductor, Commissariat Department.	...
	Do. ...	Do. ...	58	Constructing a wheat godown at Teynampet.	...
	Do. ...	Bangalore ...	59	Quarters for a Conductor, Transport Department.	5,800
	Do. ...	Do. ...	60	Quarters for an Ambulance Sergeant near Cattle lines, Transport Department.	...
4. *Staff and Miscellaneous.*	Nilgiri ...	Ootacamund...	61	Water-supply, Lawrence Asylum.	12,350
	Do. ...	Do. ...	62	Constructing a latrine for the boys at the Lawrence Asylum.	3,000
7. *General Cantonment works.*	Presidency.	Bangalore ...	63	Drainage of Royal Horse Artillery grass-cutters' lines at Ulsoor and preventing the fouling of the adjacent nullah.	2,846

MADRAS.

B—14.

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

Outlay.			Amount applied for 1889-90.		Item No.	Remarks and References.
Actual to end of 1887-88.	Probable during 1888-89.	Works in progress.	Works not commenced.	Total.		
Rs.	Rs.	Rs.	Rs.	Rs.		
...	...	...	7,500		48	Estimate is awaited.
...	...	...	6,860		49	Do.
...	...	...	4,000		50	Estimate is awaited. Item No. 50, class C works, budget of 1888-89.
...	...	...	2,000		51	G.O., No. 1245 W., dated 27th April 1888.
...	...	...	3,600		52	G.O., No. 1259 W., dated 30th April 1888. Item No. 52, class C works, budget of 1888-89.
...	...	...	3,468		53	G.O., No. 534 W., dated 16th February 1888.
...	...	...	20,000		54	Estimate is awaited. Item No. 55, class C works, budget of 1888-89.
...	...	...	11,210		55	Estimate is awaited.
...	...	...	3,500		56	Do.
...	...	...	4,000		57	Estimate is awaited. Item No. 56, class C works, budget of 1888-89.
...	...	...	5,950		58	Estimate is awaited. Item No. 57, class C works, budget of 1888-89.
...	...	...	5,800		59	G.O., No. 992 W., dated 16th April 1886. Item No. 53, class C works, budget of 1888-89.
...	...	...	3,000		60	Estimate is awaited. Item No. 54, class C works, budget of 1888-89.
...	...	...	12,350		61	G.O., No. 2139 W., dated 14th July 1888. Item No. 62, class C works, budget of 1888-89.
...	...	...	3,000		62	G.O., No. 2139 W., dated 14th July 1888.
...	...	...	2,846		63	G.O., No. 1261 W., dated 1st May 1888. Item No. 32, class C works, budget of 1888-89.

APPENDIX

LIST OF WORKS (OR CLASS C WORKS) OMITTED FROM THE BUDGET-ESTIMATE OF 1889-90, BUT ON CLASS B

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.
				Brought forward ...	Rs.
				IMPERIAL ORDINARY—*cont.*	
				Military—*cont.*	
				Original Works—cont.	
7. *General Cantonment works.*	Presidency.	Bangalore ...	64	Drainage, British Infantry Barracks.	8,112
	Do. ...	Fort St. George	65	Remodelling the drainage ...	...
	Do. ...	Madras ...	66	Flushing drains of Native Infantry lines at Ráyapuram.	4,300
	Chingleput.	St. Thomas' Mount.	67	General improvements to the drains of the cantonment.	...
8. *Fortifications* ...	West Coast.	Malapuram ..	68	Constructing a fortified post ...	8,248
	North Arcot.	Vellore Fort.	69	Constructing draw-bridge ...	6,450
	Presidency.	Fort St. George	70	Demolition of Wallajah ravelin and two lunettes.	...
	Do. ...	Do. ...	71	Constructing a draw-bridge at the north gate.	4,487
	Do. ...	Do. ...	72	Demolition of out-houses, clearance of ditch and completion of walls.	...

B—*cont.*

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

Outlay.		Amount applied for 1889-90.			Item No.	Remarks and References.
Actual to end of 1887-88.	Probable during 1888-89.	Works in progress.	Works not commenced.	Total.		
Rs.	Rs.	Rs.	Rs.	Rs.		
...	...	...	8,112	...	64	G.O., No. 2615 W., dated 24th August 1888. Item No. 33, class C works, budget of 1888-89.
...	...	...	10,000	...	65	Estimate is awaited. Item No. 23, class C works, budget of 1888-89.
...	...	...	4,300	...	66	G.O., No. 1397 W., dated 4th June 1884. Item No. 42, class C works, budget of 1888-89.
...	...	...	10,000	...	67	Estimate is awaited. Item No. 19, class C works, budget of 1888-89.
...	...	...	8,248	...	68	G.O., No. 3114 W., dated 18th November 1887. Item No. 58, class C works, budget of 1888-89.
...	...	...	5,000	...	69	G.O., No. 528 W., dated 7th March 1885. Revised estimate is awaited. Item No. 12, class B works, budget of 1888-89.
...	...	...	7,426	...	70	Estimate is awaited. Item No. 59, class C works, budget of 1888-89.
...	...	...	4,487	...	71	G.O., No. 2447 W., dated 13th August 1888. Item No. 60, class C works, budget of 1888-89.
...	...	...	10,000	...	72	Estimate is awaited. Item No. 61, class C works, budget of 1888-89.

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GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

READ—the following papers :—

From the Superintending Engineer,	I	Circle,	dated	13th Oct.	1888,	No. 418 G.L. (one statement).
" "	II	"	"	1st "	"	(two statements).
" "	III	"	"	2nd "	"	No. 422 E.W.
" "	IV	"	"	1st "	"	" 3164.
" "	V	"	"	23rd "	"	" 3166.
" "	V	"	"	23rd "	"	" 1479 T.
" "	VI	"	"	24th Sept.	"	

Proceedings of the Government of India, Military Department, dated Simla, 6th November 1888, No. 2143-M.W.

RESOLUTION—The following provisional distribution of the annual Imperial grant of one crore of rupees for military works in 1889-90 is hereby notified :—

	Rs.
Rajputana and Central India	3,00,000
Hyderabad	3,00,000
Military Works Department	59,50,000
Central Provinces	1,50,000
Lower Burma	3,50,000
Assam	2,80,000
Bengal	60,000
North-Western Provinces and Oudh	10,000
Punjab	2,50,000
Madras	6,00,000
Bombay	12,50,000
Ordnance Works	3,00,000
Marine Works	1,00,000
Total ...	99,00,000
Leaving for reserve with the Government of India	1,00,000
	1,00,00,000

2. The above allotments include provision for any expenditure that may be incurred in England on stores for works classified as military.

3. The distribution of the grants for Ordnance and Marine will be made by the Director-General of Ordnance and the Director of Indian Marine, respectively. These officers will communicate to the Local Governments and Administrations concerned the works which they desire to have undertaken during 1889-90, and the amounts available for each work, which amounts will then be included by the Local Governments and Administrations concerned in their budget estimates for military works.

4. The preliminary budget estimates should be prepared for the amounts now provisionally sanctioned, together with the allotments, if any, made by the Director-General of Ordnance and Director of Indian Marine, and should be submitted so as to reach the Government of India punctually by the 15th January 1889.

5. Orders regarding the grant for military works in Upper Burma will issue hereafter.

The Governments of Madras, Bombay, Bengal, North-Western Provinces and Oudh, and Punjab, in the Public Works Department.
The Chief Commissioners, Central Provinces, Burma and Assam.
The Resident at Hyderabad.
The Agent, Governor-General, Rajputana and Central India.
The Inspector-General, Military Works.
The Director-General of Ordnance in India.
The Director, Indian Marine.

Order—Ordered that a copy of the foregoing Resolution be forwarded to Local Governments and Administrations noted in the margin, for information and guidance.

Ordered also that a copy be forwarded to—

The Quartermaster-General in India.
The Accountant-General, Public Works Department.
The Accountant-General, Military Department, for information.

(By order.)

(Signed) E. COLLEN,
Secy. to the Govt. of India.

From Brigadier-General M. PROTHEROE, C.B., C S.I., Quartermaster-General, to the Secretary to Government, Public Works Department, dated Ootacamund, 23rd November 1888, No. 4500 A.

In acknowledging the receipt of your letter No. 4554 C., dated 17th instant, intimating the amount of the grant made by the Government of India to this Presidency for Imperial Military Works in the coming year, and submitting proposals * for the distribution available out of it for major works, I am desired to state that the Commander-in-Chief accepts the allotments proposed by you, subject to the following modifications :—

* Statement herewith returned.

Item 2.—The sheds being built, this year, for transport animals at Calicut, with the allotment of Rs. 3,310, are all that are emergently wanted, and in His Excellency's opinion the construction of the remainder might be allowed to stand over until funds can be more conveniently found for them.

Item 9.—The Madras Cavalry Regiment at Bellary at present has saddle-rooms, and though they are not good ones, His Excellency considers the provision of new ones to replace them might be made gradually, and accordingly would prefer that the allotment proposed for this work in the coming year be reduced to Rs. 10,000.

2. The amount set free under the suggestions above put forward is Rs. 10,000, which His Excellency would wish added to the allotment for institutes in the coming year so that funds may be thus available not only for execution of the additions and alterations proposed to be made to existing buildings in connection with these institutions at different stations, but also for making a commencement with the new buildings required at St. Thomas' Mount and Wellington.

From Colonel R. F. LOWIS, R.A., Director-General of Ordnance in India, to the Secretary to the Government of Madras, Public Works Department, dated Calcutta, 4th December 1888, No. 35.

With reference to your letter No. 4553 C., dated 17th, and telegram dated 30th November 1888, I have the honor to allot funds as follows to ordnance works in the Madras circle for the ensuing official year 1889-90 out of the grant of Rs. 3,00,000

placed at my disposal by the Government of India by Military Department Resolution No. 2143-M.W. of the 6th ultimo :—

	Rs.
Workshops, Bellary Arsenal	15,992
Quarters for Warrant and Non-Commissioned officers, Bellary Arsenal	15,000
Timber-shed, Bellary Arsenal	2,590
Shed for Camp Equipage section, Madras Arsenal	6,935
Workshops, Gun Carriage Factory, Madras	19,483
	60,000
Percentage for tools, &c.	14,700
Petty and minor works, including percentage for tools, &c.	10,000
Total	84,700

ORDER—dated 18th December 1888, No. 3945 W., Public Works.

In their Resolution above recorded, the Government of India have assigned a provisional grant of Rs. 6,00,000 for expenditure on military works in this Presidency during 1889-90. The amount distributed under departmental heads will be as shown below :—

	Rs.
Works	4,80,850
Establishment	1,11,950
Tools and Plant	7,200
Total	6,00,000

and, with reference to para. 3 of the Resolution, the Director-General of Ordnance in India has made the following allotments for ordnance works :—

	Rs.
Major Original Works	60,000
Minor do.	8,050
Establishment	15,650
Tools and Plant	1,000
Total	84,700

2. The Military Works budget estimate for 1889-90 has therefore been fixed at Rs. 6,84,700, which, distributed under the departmental heads, will be as follows :—

	Rs.
Works	5,48,900
Establishment	1,27,600
Tools and Plant	8,200
Total	6,84,700

3. Of Rs. 4,80,850 available for military works, the following lump sums have been set apart :—

	Rs.
(*a*) Incomplete major works	13,900
(*b*) Do. minor works	10,000
(*c*) New minor works	15,000
(*d*) Repairs	3,00,000
Total	3,38,900

and the balance, Rs. 1,41,950, has been distributed to individual works with the approval of His Excellency the Commander-in-Chief.

4. No provision has been made for the construction of sheds for transport animals at Calicut as, in the opinion of His Excellency the Commander-in-Chief, the sheds now under construction are all that are emergently required, and the construction of the remaining sheds can stand over until funds can conveniently be found for them.

5. The amounts set apart for repairs and incomplete works will, as usual, be held at the disposal of Government and distributed early next year on receipt of detailed proposals from Superintending Engineers.

6. The sum of Rs. 15,000 set apart for minor new works will, with reference to G.O., No. 2665 W., dated 29th August 1888, be placed at the disposal of officers commanding divisions and districts.

7. The distribution made by the Director-General of Ordnance of the grant for major ordnance works has been adopted; and of the sum of Rs. 8,050 (or Rs. 10,000 inclusive of percentage charges for "Establishment" and "Tools and Plant") provided for minor ordnance works, Rs. 3,050 have been reserved with the Government for incomplete works and the balance, Rs. 5,000, has been placed at the disposal of the Inspector-General of Ordnance to whom Superintending Engineers should apply for funds required for minor new works of 1889-90.

8. The Superintending Engineers concerned will submit, with the least possible delay, plans and estimates for the unsanctioned works for which funds have been provided in the budget.

9. Works for which estimates have not been sanctioned have been entered in the budget at the request of the Quartermaster-General and the Director-General of Ordnance, and it is hoped that the estimates for them will shortly be ready. The Government of India will therefore be requested to allow the amounts provided for them to stand.

10. With these remarks the preliminary issue of the Imperial Military Works budget for 1889-90 will be printed and circulated to the officers concerned for information and guidance, and four copies forwarded to the Government of India, Military Department.

(Here enter No. 3946 W., dated 18th December 1888.)

(True Extract.)

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

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

ENDORSEMENT—dated 18th December 1888, No. 3946 W., Public Works.

Forwarded.

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

Exd. J. Henricus.
Spare Copies

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BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1888} Madras.

PUBLIC WORKS.

Dated December, 18th.

Read. *Encl.*

G.O., 18th Dec. 1888, Nos. 3945 W., 3946 W..

DECEMBER.

Imperial Military Works Budget for 1889-90

Forwarding copies of the preliminary issue of the —.

2988

20TH SEPTEMBER 1889, No. 2612 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

READ—the following paper:—

From Major-General R. F. LOWIS, Director-General of Ordnance in India, to the Secretary to the Government of Madras, Public Works Department, dated Simla, 27th August 1889, No. 3412 E.

I have the honor to state that an estimate, amounting to Rs. 1,283, for constructing a timber shed in the Bellary Arsenal has been approved and returned to the Inspector-General of Ordnance, Madras Circle, for further necessary action.

2. In the final issue of the Imperial Budget estimate of Military works of the Government of Madras, Public Works Department, for the year 1889-90, the timber shed is shown as a Major work and Rs. 2,590 provided for its execution. As, however, the cost, according to the detailed estimate, is only Rs. 1,283 it will come within the classification of Minor works. I have, therefore, to request that of the sum of Rs. 1,307 remaining unappropriated, Rs. 494 may be placed at the disposal of the Inspector-General of Ordnance, for allotment at his discretion, to such other Minor works as are urgently required but could not be executed for want of funds.

3. As regards the balance, Rs. 813, it is proposed to transfer it (together with Rs. 195 on account of percentage on Establishment, tools and plant) to Burma for erecting a reverberatory air furnace urgently required in the Rangoon Arsenal. The Government of India have been addressed on the subject.

4. The necessary provision on account of the percentage on Establishment, tools and plant on Rs. 2,590 having already been made in the sum of Rs. 14,700 allotted for this purpose (*vide* my letter, No. 35-Tour, dated Calcutta, the 4th December 1888, to your address), no deduction need be made from Rs. 2,590 for these charges either in respect to the proposed transfer of Rs. 813 to Burma, or Rs. 494 requested to be placed at the disposal of the Inspector-General of Ordnance.

5. The percentage on Rs. 813 will be transferable from the sum of Rs. 14,700 referred to in the preceding paragraph.

ORDER—dated 20th September 1889, No. 2612 W., Public Works.

In the final issue of the Military Works Budget estimate for 1889-90, a sum of Rs. 2,590 was provided under Major works for the construction of a timber shed in the Bellary Arsenal. In para. 2 of his letter above recorded, the Director-General of Ordnance reports that the work will fall within the classification of Minor works as the estimate amounts to only Rs. 1,283, and requests that Rs. 494 may be placed at

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the disposal of the Inspector-General of Ordnance for allotment to Minor works. A sum of Rs. 1,777 will accordingly be transferred from Major to Minor works out of the budget allotment of Rs. 2,590.

2. As regards the transfer to Burma of the balance, Rs. 813, together with the percentage charges for Establishment and Tools and Plant, referred to in para. 3 of the Director-General's letter, the orders of the Government of India will be awaited.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lieut.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, III Circle.
" Examiner, Public Works Accounts.
" Military Department.
" Director-General of Ordnance.

Exd. P. L. Pereira.
Spare Copies

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BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1889} Madras.

PUBLIC WORKS.

Dated September, 20th.

Recd. *Encl.*

G.O., 20th Sept. 1889, No. 2612 W.

SEPTEMBER.

Timber Shed in the Bellary Arsenal

Orders on letter from the Director-General of Ordnance requesting that the excess amount allotted for the — may be transferred from Major to Minor works and allotted for other works.

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7TH OCTOBER 1889, No. 2801 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Military Works.
Account.

READ—the following paper:—

From the Secretary to the Government of India, Military Department, to the Director-General of Ordnance in India, dated Simla, 12th September 1889, No. 1823 M.W. (Accounts—Re-appropriation).

In reply to your letter No. 3413 C., dated 27th August 1889, I am directed to convey the sanction of the Government of India to the transfer of Rs. 1,008 from the grant for Ordnance works in Madras to Burma for erecting a furnace in the Rangoon Arsenal for melting empty cartridge cases, &c.

Copy of the above forwarded to the Secretary to the Government of Madras, Public Works Department., for the information of His Excellency the Governor-in-Council.

(By Order.)

(Signed) S. GRANT, Major,
Offg. Asst. Secy. to the Govt. of India.

Copy to the Accountant-General, Public Works Department.
" Chief Commissioner, Burma.

ORDER—dated 7th October 1889, No. 2801 W., Public Works.

Communicated to the Superintending Engineer, III Circle, and the Examiner of Public Works Accounts, with reference to para. 2 of G.O., No. 2612 W., dated 20th September 1889.

2. The amount transferred to Burma will be distributed as shown below:—

	RS.
Works	813
Establishment	183
Tools and plant	12
Total ...	1,008

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, III Circle.
" Examiner, Public Works Accounts.
" Military Department.

Exd. W. H. French.
Spare Copies

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MILITARY WORKS.
ACCOUNT.

Govt. of {1889} Madras.

PUBLIC WORKS.

Dated October, 7th.

Read. *Encl.*

G.O., 7th Oct. 1889, No. 2801 W.

OCTOBER.

Ordnance Works

Orders of the Government of India, sanctioning transfer of Rs. 1,008 from the grant for — in Madras to Burma for erecting a furnace in the Rangoon Arsenal, communicated to the officers concerned.

Ordnance works

No. 63

ORDNANCE OFFICE:
Fort Saint George,
September 1889.

From

Colonel CROMBIE COWIE, R. A.
Officiating Inspector General of Ordnance.

To

The Secretary to Government,
Military Department.

Sir,

with the Governor
Stonehouse Hobl

I have the honor to forward, an estimate amounting to Rs 1283, duly countersigned in token of approval, with the marginally cited annexures, for constructing a timber shed in the Bellary Arsenal, with a view to its approval by Government in the Military Department, and for transfer, if approved, to the Public Works Department for disposal, with a request that the work may be taken in hand and completed as early as possible.

1 Plan
1 Detailed estimate
1 Report
1 Specification
1 wrapper sheet

2. The want of such a building has been much felt since the Bellary Arsenal was first formed, as owing to the very dry climate timber

timber when stacked in the open soon deteriorates greatly.

3. In the current years Budget, item 7 class B works Rs 2590 has been provided for the building of Timber sheds for the Bellary Arsenal. This amount was intended to cover the estimated cost of two sheds, and in the first instance an estimate was prepared for that number but the Director General of Ordnance in India considers that as the stock of sawn Timber is not very large it will be sufficient if one is built now, as there are other works very urgently required for which funds are not available.

4. The estimate now forwarded has been approved by the Director General, and an application has been made by him to the Government of India for the transfer of the Rs 2590 from major to minor works, with a view to its being placed at my disposal, for allotment to the work referred to in the

enclosed

& enclosed estimate and such other minor Ordnance works as are urgently required.

I have the honor to be

Sir

Your most Obedt Servant

Hon'ble Louis Colonel Rt

Offg. Inspt Genl. of Ord.

CAL

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Military {1889} Department

No.

From

Colonel CROMBIE COWIE R. A.,
Offg. Inspector General of Ordnance,
Fort Saint George,

To

The Secretary to Government,
Military Department.

DATED 7th Sept. } 1889.
RECEIVED

No. 6
63

Forwards an estimate plan &c for constructing a timber shed in Bellary Arsenal for approval &c.

No. 6211. Approved and transferred to the Public Works Department for disposal.

A. Kennedy Herbert Br Genl
Secretary to Govt.

No. 2715 dated 12.11.89

Ordnance
9th Sept. 1889

Chq 8554

To W
Mem
26.9.89

Note

The relative weights of the Mangalore Tile roofing & covering Flat & Pan tile roofing are as follows:—

Mangalore Tile roofing per 1 Sqre.

For 1 Sqre. 150 tiles @ 3 Tons per 1000 tiles } = 1008 lbs
8 Ridge tiles @ 4 lbs each = 32
1½ cft of rafters @ 43 lbs per cft. } = 65
Total per 1 Sqre. lbs 1105

Flat & Pan tile roofing per 1 Sqre.

For 1 Sqre. 50 cft @ 112 lbs per cft. } = 5600 lbs
2¼ cft of rafters @ 43 lbs per cft } = 97
Total per 1 Sqre. lbs 5697

Submitted with reference to the Estimate

Dft.
26.9.89

Public Works Department.

2988

Public Works Department.

Current No. 8554

Letter No. 6211

Dated 9th September 189

From the Military Deptt.

To Sr. III for sanction with Drs by E. W. Sr within

NOTE OF REMARKS. 10/9

The plan and estimate under review amounting to ~~Rs~~ 1,283 provide for constructing a timber shed in the Arsenal at Bellary.

The want of such a building has been much felt since the Bellary Arsenal was first formed.

The shed is to be built 62 ft. long × 22 ft. broad (outside measurements).

The particulars of construction will be as follows:-

The foundation of pillars and retaining walls between pillars are to be constructed with coursed rubble stone 2nd sort in chunam & the pillars above are to be built of coursed rubble stone 1st sort

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1st sort in chunam & pointed all round the pillars with chunam.

The roofing is to be of Mangalore tiles on Vanteak wood roof timbers, resting on iron trusses 10ft apart, the scantlings of common rafters & ridge piece seem in excess & which may be altered in the estimate as proposed if approved.

Particulars	As per Estimate	As proposed.
Ridge piece	4"×6½"	3"×8"
Common rafters	3"×6"	3"×4"

It is also estimated that the common rafters are to be placed 3ft. from centre to centre which is too far a part, 30" from centre to centre will be better, otherwise the reepers 2"×1" (after the Mangalore tiles are placed) will no doubt sag.

The rates are fair. —

× Contingencies are charged at 6%.

The plan & estimate have been countersigned by the Offg. Inspector General of Ordnance & approved in the Military Secrett.

Lieut.
17-9-89.

Note by E.W.

3"×8" and 3"×5" would be more suitable scantlings for the ridge piece & common rafters respectively, and the latter should be spaced 2½' from centre to centre in preference to the 3' allowed in the estimate

Wells
18.9.89

× The total area of the shed is 1364 sft or cost 0-15-1 per sft.

P.W.D.

Note by the Chief Engineer, General Buildings and Roads Branch.

3"×8" and 3"×5" would be more suitable scantlings for the ridge piece and common rafters respectively, and the latter should be spaced 2½' from centre to centre in preference to the 3' allowed in the Estimate

Wells 24.9.89 Rules 26.9.89
E.W.

What are the relative weights of Mangalore tiles & Madras tiles per sft. of roofing

21

No 2715 Wdsy 27. IX. 89

B/ 2488 No 2715

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Sept 27, 1889

From the Inspector General of Ordnance, ——— Endorsement thereon in the Military Department— Noted by the Chief Engineer P.W. Department. ———

READ the following

No G/6387 dated 9th September 1889.

No 6211 dated 9th September 1889.

dated 26th Sep: 1889.

The Estimate is returned to the Superintending Engineer III Circle for Sanction and Early Execution.

2. Attention is drawn to the note by the Chief Engineer above recorded.

"With reference to para 4 of his letter, the Inspector General of Ordnance will be informed that the Estimate for funds proposed by the Director General of Ordnance, was returned in G.O. No 6212 W dated 20th September 1889.

To
The Supdg Engineer III Circle
with 5 Enclosures.
Military Department

D 27/9

Lieut 24.9.89

Rees 26.9.89

Ordnance Works.

No. G. 74 2988

Ordnance Office:
Fort Saint George,
14th October 1889.

From

Colonel CROMBIE COWIE, R. A.

Officiating Inspector General of Ordnance.

To

The Secretary to Government,

Military Department.

Fort Saint George.

Sir,

With reference to Paras 3 and 4 of this office letter No. G. 63 dated 7th September 1889, I have the honor to inform you that, on the representation of the Director General of Ordnance in India, the Government of India has sanctioned* the transfer of Rs 1008/ from the grant for Ordnance works in Madras, to Burma, for erecting a furnace in the Rangoon Arsenal for melting empty cartridge cases etc.

2. The Rs 1008 is made up as follows:-

(1)	Estimated cost of work	Rs 813
(2)	Establishment Tools and Plant charges	Rs 195

and should be taken.

(a)

* Letter No. 1823 M.-D. dated 12th September 1889 from the Secretary to the Government of India Military Department to the Director General of Ordnance in India.

(a) Rs 813 from the Rs 2570 provided in the current years Budget, item 7 class B works for erecting Timber sheds in the Bellary Arsenal.

(b) Rs 195 from the Rs 14700 allotted to Establishment Tools and Plant charges, on major works in letter No. 35 dated Calcutta 4th December 1888 from the Director General of Ordnance in India to the Secretary to the Government of Madras Public Works Department - embodied in Order of Government No. 3945 W Public Works, dated 18th December 1888.

3. The Balance of the Rs 2570 viz Rs 1777 I request, may be placed at my disposal for allotment to the work of building a Timber shed in the Bellary Arsenal, estimated to cost Rs 1283 - the estimates for which were forwarded for approval with this Office letter quoted in Para 1 above - and to other minor Ordnance works.

I have the honor to be
Sir
Your most obedt Servant
Lionel Lewis Colonel Rst.
Gn Offg: Chief Engr: Genl: of Ords

24

Pg 11-1-1889 N°. 182 R

P.W. Cur. 9385

Military {1889} Department.

No. 7744

From

Colonel CROMBIE COWIE R. A,
Offg. Inspector General of Ordnance,
Fort Saint George,

Military Department
Fort St George 6th Octr: 1889

To

The Secretary to Government,
Military Department.

Fort Saint George

DATED 1st October 1889.
RECEIVED

G.O. 3945 W dt 18-12-88.
" 2612 W dt 20-9-89
" 2715 W dt 27-9-89
" 2801 W. dt 7-10-89 No. G. 7/4

Regarding the transfer of grant for certain works in Madras to Burma.

No 6795. Transfered to the Public Works Department for disposal with advertence to M.D. Endorsement N° 621 dated 9 Septr: 1889

No. 29885 of the 22nd Oct 1889

H P Shelley Col:
for Secretary to Govt.

Read 7-10-89.

2988

No. 29885 PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

October 22nd 1889

READ the following

From the Inspector General of Ordnance. No. G/174 dt 15th October 1889.

Endorsement in the Military Department No. 6795 dt 4th October 1889.

Recorded with reference to G.O. No. 2801 W dated 7th October 1889.

2. The sum of Rs 1,77,7 transferred from Major to Minor works in para 1 of G.O. No. 2612 W dated 20th September 1889 will be considered as having been placed at the disposal of the Inspector-General of Ordnance for allotment to the construction of a timber shed in the Bellary Arsenal and to such other minor works

x Express

Secs 17 Oct

works as he may consider
necessary.

16.10.09

16.10.09

No 29888 W.O. 16 October 1909

5 Maj

To
The Supp Engr III Cir[cle].
a Exam[ine] P.W. Accounts
a Military Dep[t].

22/10

Hw. 16.X.09
£18/-
2/30/10-