(1) பக்கங்களின் எண்ணிக்கை 202
(2) புதுக்கித் திருப்பிய நாள் 1·90.
(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம்

தமிழ்நாடு ஆவணக் காப்பகம்.

(ccp)

தமிழ்நாடு அரசு

P.W.D துறை

அரசாணை எண். / மு. கோப்புத் தாள் எண். 3583-84 அச்சகம் / பலவகை

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3583-84

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

READ—the following paper :—

From Brigadier-General M. PROTHEROE, C.B., C.S.I., Quartermaster-General, to the Secretary to Government, Public Works Department, dated Ootacamund, 9th September 1889, No. 2773-A.

I have the honor, by direction of the Commander-in-Chief, to forward, for submission to Government, the schedules of Military works' requirements in connection with the Imperial Military Works Budget estimate of the Public Works Department for the ensuing official year.

2. The works have been classified in the usual manner, those enumerated in class C being such major works as are required in addition to those printed in the schedule circulated with the final issue of the current year's budget, as it will stand after the works enumerated in class D have been removed from it. Similarly the list (E) will be understood to show what minor works are required in addition to those of the list at pages 7—11 of appendix to G.O. No. 3105 W. of 4th October 1888, as to will stand after the works enumerated in list F have been eliminated therefrom.

3. Only those major works have been entered in the class A list which this office has reason to believe will require allotments during the coming year, and of these the following seem to call for remarks :—

I. *New Barracks at Poonamallee.*—The Government of India in their Resolution recorded in Proceedings of Madras Government No. 1159 W. of 1st May 1889, considered the current year's budget allotment of Rs. 30,000 for this work inadequate. The proposed grant for the coming year has accordingly been increased to Rs. 50,000 and His Excellency trusts that the balance of the grant that will be required for the completion of the barracks will be provided in the following year.

II. *Institutes of British Corps.*—His Excellency hopes to be able to submit to Government, at an early date, the revised proposals called for in Public Works Department No. 1602 C. of 27th March 1889, in view to the utilization, as far as possible, of the current year's budget allotment for regimental institutions. The proposed grant of Rs. 35,000 for the coming year is to admit of a commencement being made on the new institutes it is in contemplation to construct at Wellington and St. Thomas' Mount, and which are very much required.

III. *Sanitation of Native Lines.*—The necessity for a yearly grant being set apart for the sanitation of Native lines is explained in the correspondence ending with my letter No. 2266-B. of 12th August 1889, recorded in Proceedings of Madras Government, Military Department, No. 6019, of 2nd September 1889, and no further comments regarding this item appear necessary.

IV. *Public buildings for a Madras Cavalry Regiment, Bangalore.*—His Excellency trusts that a sufficiently large grant may be set apart for this work to admit of all, or as many as possible, of the public buildings for the Madras Cavalry regiment at Bangalore being completed before the close of the ensuing official year.

4. No provision has been made in the ensuing year's budget for the new barracks at Malapuram, as it is understood that the grant set apart for the work in the Military Works budget of 1889-90 will admit of its completion during the current official year.

5. The works in class B (which have been entered in the list in their order of urgency) requiring special notice are the following:—

I. *Officers' Mess-house at Wellington.*—The communication quoted in the remarks column against this work will show its urgency.

II. *A new Barrack for 30 men at Calicut.*—The existing barracks do not contain sufficient space for the present garrison, and the extra accommodation is, therefore, very urgently required.

III. *Water-supply, Wellington.*—In view of the large saving to the State that would be effected by the carrying out of this work, His Excellency would recommend its early execution on these, as well as on sanitary grounds.

IV. *Constructing Hut Barracks at Wellington.*—The normal garrison of the station of Wellington is considerably augmented for a great portion of the year, owing to a large number of young soldiers from Secunderabad and Bangalore being sent up annually to the hills. The existing barrack accommodation is insufficient for the increased strength, and some men have, consequently, to be accommodated in tents, an arrangement which, especially during the monsoons, is considered a very undesirable one. His Excellency trusts, therefore, that it may be found possible to provide the extra accommodation required at an early date.

V. *Rest-house and Camp at Guntakal.*—It was hoped that funds would have been available for the execution of this important work during the current official year, but the urgency of the demands on other military works has been so pressing, that no allotment of funds for it could be secured. In view of the necessity and importance of this work, however, I am to express the hope that funds may be found for its execution, at all events during the coming official year.

6. There are many important works in the schedule of class C works which have not been included in the class B list, owing to the limit necessarily placed on the latter.

7. In conclusion, I am to suggest that, should the proposals made in para. 2 of my letter No. 2537-A., of 23rd August 1889, to the Secretary to Government, Military Department, meet with the approval of Government, the grant placed at the disposal of the Commissary-General may be for the execution of all minor works costing Rs. 2,500 and less, instead of only for works costing Rs. 500 and under, thus bringing the procedure into conformity with that now adopted in the case of the Minor Works grant placed at the disposal of General Officers Commanding Districts, which would thus be available for purely military works alone.

Office note from the Examiner, Public Works Accounts, dated 14th September 1889, No. 1322.

Order—dated 30th September 1889, No. 2730 W., Public Works.

Ordered that the schedule of requirements on account of Imperial Military works in the Madras Presidency for 1890-91 be forwarded to the Government of India in the Military Department.

2. The sanctioned estimate for the construction of public buildings for a Madras Cavalry regiment at Bangalore is Rs. 30,533 and the current year's budget grant for the work is Rs. 20,000. The balance of the estimate which will have to be provided for expenditure in 1890-91 will therefore be Rs. 10,533. As the Quartermaster-General reports that a sum of Rs. 20,000 should be provided to admit of all the buildings connected with the Madras Cavalry regiment at Bangalore being completed before the close of the ensuing official year, that sum has been included in the schedule. The Quartermaster-General will be requested, under the orders of His Excellency the Commander-in-Chief, to state whether any additions to the sanctioned project are under contemplation.

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3. An estimate of Rs. 11,265 for the construction of sheds for 22 bullocks, 10 ambulance carts, 20 mules and 7 elephants, was sanctioned in G.O. No. 3302 W., dated 17th October 1888, but the Commissary-General having reported that the mule sheds were not necessary, the estimate was reduced by Rs. 3,010—*vide* G.O. No. 675 W., dated 8th March 1889. Funds have been provided in the current year for the completion of all the sheds excepting those for the mules. As the Quartermaster-General now proposes to allot for the next official year, the balance of the original estimate of Rs. 11,265, that officer will be requested to report whether the mule sheds are now required.

4. The Superintending Engineers concerned will lose no time in submitting plans and estimates for the unsanctioned works included in the schedule, as none of them can find place in the budget estimates for 1890-91 under plans and estimates for them have been previously sanctioned.

5. With reference to para. 7 of his letter above recorded, the Quartermaster-General will be informed that the suggestion contained in para. 2 of his letter, No. 2537-A., dated 23rd August 1889, was approved in G.O. No. 2610 W., dated 20th September 1889, and that the grant placed at the disposal of the Commissary-General will be for the execution of all minor works costing Rs. 2,500 and below.

(Here enter No. 2731 W., dated 30th September 1889.)

(True Extract.)

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

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

Letter—to the Secretary to the Government of India, Military Department, dated Fort St. George, 30th September 1889, No. 2731 W.

In forwarding, herewith, a copy of the Proceedings of this Government, No. 2730 W., dated 30th September 1889, and the schedule of requirements on account of Imperial Military works for 1890-91, I am directed to request that a liberal grant may be assigned in order that the many important works now held in abeyance for want of funds may be undertaken next year.

2. A sum of Rs. 20,000 has been included in the schedule for improving the sanitation of Native lines with reference to my letter No. 2605 W., dated 20th September 1889.

3. The demands on account of Ordnance works have not been included in the schedule and it is presumed that a special grant will as usual be provided for those works on the application of the Director-General of Ordnance.

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

Exd. P. L. Pereira
Spare Copies

2

Schedule of the probable requirements of the Madras Presidency on account of Military Works for 1890-91—*cont.*

Head of classification.	Executive division.	Locality.	Item No.	Projects and Works.	Class.	Original Works.					Repairs.	Establishment.	Tools and plant.	Suspense.	Grand Total.	Remarks.
						Major works.			Minor works.	Total.						
						Works in progress.	New works.	Total.								
						RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	
(1) Accommodation for troops—Buildings for European troops—*cont.*	Bellary ..	Bellary ..	11	Quarters for Farrier Sergeant, Royal Artillery, at Chief Veterinary hospital.	C	..	3,738	..	..	..	..	..	..	..	..	Estimate is awaited.
	Do. ..	Do. ..	12	Quarters for shoeing-smith and line orderly at Chief Veterinary hospital.	C	..	2,600	..	..	..	..	..	..	..	..	Do.
	Do. ..	Do. ..	13	Enlarging and improving Chief Veterinary hospital.	C	..	8,490	..	..	..	..	..	..	..	..	Do.
	Do. ..	Do. ..	14	Barrackmaster's quarters and out-houses.	C	..	3,600	..	..	..	..	..	..	..	..	Do.
	Do. ..	Do. ..	15	Barrack Sergeant's quarters and out-houses.	C	..	3,500	..	..	..	..	..	..	..	..	Do.
	Do. ..	Do. ..	16	Constructing a Mangalore tiled roof over the existing roof of the Station hospital.	C	..	4,647	..	..	..	..	..	..	..	..	Estimate of Rs. 4,647 was sanctioned in G.O., No. 1423 W., dated 29th May 1889.
	Do. ..	Do. ..	17	Infectious disease ward, cook-house and Station hospital.	C	..	6,140	..	..	..	..	..	..	..	..	Estimate of Rs. 6,140 was sanctioned in G.O., No. 320 W., dated 7th February 1884. Item No. 4, class C works, budget of 1889-90.
	Do. ..	Do. ..	18	Purveyor's quarters for the Station hospital.	C	..	3,046	..	..	..	..	..	..	..	..	Estimate of Rs. 3,046 was sanctioned in G.O., No. 771 W., dated 7th March 1888. Item No. 5, class C works, budget of 1889-90.
	Nīlgiri ..	Wellington.	19	Constructing an office-room for the Station hospital.	C	..	3,000	..	..	..	..	..	..	..	..	Estimate is awaited.
	Do. ..	Do. ..	20	Constructing a laundry for the Station hospital.	C	..	3,000	..	..	..	..	..	..	..	..	Do.
	Do. ..	Do. ..	21	Constructing a block of officers' quarters to accommodate six bachelors of the British Infantry battalion.	C	..	40,000	..	..	..	..	..	..	..	..	Do.
	Do. ..	Do. ..	22	Constructing a block of officers' quarters for six bachelors of the Convalescent depôt.	C	..	40,000	..	..	..	..	..	..	..	..	Do.
	Do. ..	Do. ..	23	Quarters for an Assistant Apothecary.	C	..	6,000	..	..	..	..	..	..	..	..	Do.
	Do. ..	Do. ..	24	Quartermaster's stores and office for British Infantry regiment.	C	..	25,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 7, class C works, budget of 1889-90.
	Do. ..	Do. ..	25	A ward to accommodate 35 men, Station hospital.	C	..	20,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 8, class C works, budget of 1889-90.
	Do. ..	Do. ..	26	Quarters for three hospital purveyors.	C	..	4,750	..	..	..	..	..	..	..	..	Estimate of Rs. 4,750 was sanctioned in G.O., No. 615 W., dated 21st February 1888. Item No. 10, class C works, budget of 1889-90.
	Do. ..	Ootacamund.	27	Quarters for a Sub-Conductor attached to the Army Head-quarters.	C	..	7,500	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 12, class C works, budget of 1889-90.
	Do. ..	Do. ..	28	Converting the Sapper hospital building on Stonehouse Hill into quarters for two Sergeant-Instructors, N.V. Rifles.	C	..	3,600	..	..	..	..	..	..	..	..	Estimate of Rs. 3,600 was sanctioned in G.O., No. 1068 W., dated 9th April 1888. Item No. 13, class C works, budget of 1889-90.
	West Coast.	Calicut ..	29	Quarters for an Apothecary, West Hill Barracks.	C	..	5,000	..	..	..	..	..	..	..	..	Estimate is awaited.
	Do. ..	Mangalore.	30	Quarters for two Hospital Assistants.	C	..	5,500	..	..	..	..	..	..	..	..	Do.
	Presidency.	Bangalore.	31	Constructing a collar-maker's shop for the Royal Artillery.	C	..	3,040	..	..	..	..	..	..	..	..	Do.
	Do. ..	Do. ..	32	Battery office for one Field battery.	C	..	6,000	..	..	..	..	..	..	..	..	Do.
	Do. ..	Do. ..	33	Store-rooms for one Field battery.	C	..	5,000	..	..	..	..	..	..	..	..	Do.
	Do. ..	Do. ..	34	One new barrack for British Cavalry regiment.	C	..	32,500	..	..	..	..	..	..	..	..	Do.
	Do. ..	Do. ..	35	Bowling alley to be converted into a Skittle alley.	C	..	2,800	..	..	..	..	..	..	..	..	Do.
	Do. ..	Do. ..	36	Laundry and disinfecting-room for South Station hospital.	C	..	7,000	..	..	..	..	..	..	..	..	Do.
	Do. ..	Do. ..	37	Quarters for Farrier Sergeant, shoeing-smith, line orderly, and building for office, pharmacy, &c., Station Veterinary hospital.	C	..	9,230	..	..	..	..	..	..	..	..	Do.
	Do. ..	Do. ..	38	Brick-making shop, Queen's Own Sappers and Miners.	C	..	6,000	..	..	..	..	..	..	..	..	Do.
	Do. ..	Do. ..	39	One block of two quarters for two Sergeants, Queen's Own Sappers and Miners.	C	..	3,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 15, class C works, budget of 1889-90.
	Do. ..	Do. ..	40	Quarters for Schoolmaster and Schoolmistress, Royal Artillery.	C	..	10,240	..	..	..	..	..	..	..	..	Estimate of Rs. 10,240 was sanctioned in G.O., No. 2384 W., dated 20th September 1886. Item No. 16, class C works, budget of 1889-90.
	Do. ..	Do. ..	41	New orderly-room, or conversion of Quartermaster's stores into orderly-room and stores, 12th Lancers.	C	..	6,500	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 17, class C works, budget of 1889-90.
	Do. ..	Do. ..	42	Battery office for Royal Horse Artillery.	C	..	5,680	..	..	..	..	..	..	..	..	Estimate of Rs. 5,680 was sanctioned in G.O., No. 2906 W., dated 17th September 1888. Item No. 18, class C works, budget of 1889-90.

Schedule of the probable requirements of the Madras Presidency on account of Military Works for 1890-91—*cont.*

Head of classification.	Executive division.	Locality.	Item No.	Projects and Works.	Class.	Original Works.					Repairs.	Estab-lishment.	Tools and plant.	Sus-pense.	Grand Total.	Remarks.
						Major works.			Minor works.	Total.						
						Works in progress.	New works.	Total.								
						RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	
(1) Accommodation for troops—Buildings for European troops—*cont.*	Presidency.	Bangalore.	43	Quarters for the Senior Apothecary, North Station hospital.	C	..	5,300	..	..	..	..	..	..	..	..	Estimate of Rs. 5,300 was sanctioned in G.O., No. 3385 W., dated 27th November 1883. Item No. 20, class C works, budget of 1889-90.
	Do. ..	Do. ..	44	Quarters for the Assistant Apothecary, North Station hospital.	C	..	4,773	..	..	..	..	..	..	..	..	Estimate of Rs. 4,773 was sanctioned in G.O., No. $\frac{938\text{ W.,}}{2}$ dated 5th April 1884. Item No. 21, class C works, budget of 1889-90.
	Do. ..	Madras ..	45	New Military hospital on the site of the old fishing village near the Presidency College.	C	..	25,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 22, class C works, budget of 1889-90.
	Do. ..	Fort St. George.	46	Garrison bazaars to be done away with, and new cook-houses to be built on the site.	C	..	4,500	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 24, class C works, budget of 1889-90.
	Do. ..	Do. ..	47	Repairs to floors of B, C, D blocks, family quarters.	C	..	10,070	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 25, class C works, budget of 1889-90.
	Do. ..	Do. ..	48	Construction of coach-houses and stables for the use of officers.	C	..	15,770	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 26, class C works, budget of 1889-90.
	Chingleput.	St. Thomas' Mount.	49	Verandahs round each of the stables of the two Field batteries.	C	..	6,000	..	..	..	..	..	..	..	..	Estimate is awaited.
	Do. ..	Poonamallee.	50	Warrant officers' quarters.	C	..	3,500	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 27, class C works, budget of 1889-90.
	Do. ..	Do. ..	51	Two Staff Sergeants' quarters, first class.	C	..	6,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 28, class C works, budget of 1889-90.
	Do. ..	Do. ..	52	Coffee shop	C	..	9,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 29, class C works, budget of 1889-90.
	Do. ..	Pallávaram.	53	One mortuary room for each of the three hospitals, Nos. 1 to 3.	C	..	3,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 30, class C works, budget of 1889-90.
	Do. ..	St. Thomas' Mount.	54	A wheeler and collar-maker's shop for the West barracks.	C	..	5,660	..	..	..	..	..	..	..	..	Estimate of Rs. 5,660 was sanctioned in G.O., No. 2717 W., dated 3rd November 1884. Item No. 31, class C works, budget of 1889-90.
	Do. ..	Do. ..	55	Sergeants' mess for East barracks.	C	..	5,450	..	..	..	..	..	..	..	..	Estimate of Rs 5,450 was sanctioned in G.O., No. 1118 W., dated 14th April 1888. Item No. 32, class C works, budget of 1889-90.
(1) Accommodation for troops—Buildings for European troops.	Do. ..	Do. ..	56	Quarters for three Medical subordinates attached to the Station hospital.	C	..	8,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 33, class C works, budget of 1889-90.
	Do. ..	Do. ..	57	Quarters for Head-quarter Staff, Royal Artillery.	C	..	12,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 34, class C works, budget of 1889-90.
	Do. ..	Do. ..	58	Battery office for P/1st Royal Artillery, East barracks.	C	..	3,700	..	..	..	..	..	..	..	..	Estimate of Rs. 3,700 was sanctioned in G.O., No. 1552 W., dated 28th May 1888. Item No. 35, class C works, budget of 1889-90.
	Do. ..	Do. ..	59	Raising the roof of harness-room, Troop lines.	C	..	4,200	..	..	..	..	..	..	..	..	Estimate of Rs. 4,200 was sanctioned in G.O., No. 3137 W., dated 17th December 1881. Item No. 36, class C works, budget of 1889-90.
(1) Accommodation for troops—Buildings for Native troops.	Presidency.	Bangalore.	60	Public buildings for a regiment of Native Cavalry.	A	20,000	..	..	..	..	..	..	..	..	..	Estimate of Rs. 30,533 was sanctioned in G.O., No. 1607W., dated 19th June 1889. Item No. 3, class B works, budget of 1889-90.
	Bellary ..	Bellary ..	61	New saddle-rooms for Native Cavalry regiment.	B	..	10,000	..	..	..	..	..	..	..	..	Estimate of Rs. 30,000 was sanctioned in G.O., No. 92 W., dated 15th January 1889.
	Vizagapatam	Vizianagrum.	62	Re-roofing the hospital ..	C	..	3,000	..	..	..	..	..	..	..	..	Estimate is awaited.
	Do. ..	Do. ..	63	Regimental store for Native Infantry, including storage for camp equipage.	C	..	3,480	..	..	..	..	..	..	..	..	Estimate of Rs. 3,480 was sanctioned in G.O., No. 2628 W., dated 27th October 1884. Item No. 37, class C works, budget of 1889-90.
	Bellary ..	Bellary ..	64	Places of arms for a regiment of Madras Infantry.	C	..	10,070	..	..	..	..	..	..	..	..	Estimate of Rs. 10,070 was sanctioned in G.O., No. 92W., dated 15th January 1889. Item No. 38, class C works, budget of 1889-90.
	Do. ..	Do. ..	65	School-house for Native Infantry regiment.	C	..	3,030	..	..	..	..	..	..	..	..	Estimate of Rs. 3,030 was sanctioned in G.O., No. 149 W., dated 17th January 1884. Item No. 39, class C works, budget of 1889-90.
	Nílgiri ..	Wellington.	66	Quarters for 32 men, Army Hospital Native Corps.	C	..	12,380	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 41, class C works, budget of 1889-90.
	West Coast.	Cannanore.	67	Quarters for 11 men of the Army Hospital Native Corps.	C	..	3,670	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 43, class C works, budget of 1889-90.
	Chingleput.	Pallávaram.	68	Powder magazine for Madras Infantry regiment.	C	..	4,900	..	..	..	..	..	..	..	..	Estimate of Rs. 4,900 was sanctioned in G.O., No. 334 W., dated 8th February 1886. Item No. 44, class C works, budget of 1889-90.
	Do ..	Do. ..	69	Armourer's shop for Madras Infantry regiment.	C	..	2,880	..	..	..	..	..	..	..	..	Estimate of Rs. 2,880 was sanctioned in G.O., No. 3149 W., dated 22nd December 1884. Item No. 45, class C works, budget of 1889-90.
(3) Commissariat buildings.	West Coast.	Calicut ..	70	Sheds for transport animals at Calicut.	A	3,065	..	..	..	..	..	..	..	..	..	Estimate of Rs. 11,265 was sanctioned in G.O., No. 3302 W., dated 17th October 1888. Item No. 53, class C works, budget of 1889-90.
	Bellary ..	Bellary ..	71	Commissariat Conductor's quarters and out-houses.	C	..	3,500	..	..	..	..	..	..	..	..	Estimate is awaited.

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Schedule of the probable requirements of the Madras Presidency on account of Military Works for 1890-91—*cont.*

Head of classification.	Executive division.	Locality.	Item No.	Projects and Works.	Class.	ORIGINAL WORKS.					Repairs.	Establishment.	Tools and Plant.	Suspense.	Grand Total.	Remarks.
						Major works.			Minor works.	Total.						
						Works in progress.	New works.	Total.								
						RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	
(3) Commissariat buildings.	Bellary ..	Bellary ..	72	Shelter for Transport carts, &c.	C	..	3,600	..	..	..	..	..	..	..	..	Estimate is awaited.
	Nilgiri ..	Wellington.	73	Quarters for a Milling Engineer, Commissariat department.	C	..	7,500	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 49, class C works, budget of 1889-90.
	West Coast.	Malapuram.	74	Cattle shed for the Commissariat department.	C	..	4,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 51, class C works, budget of 1889-90.
	Do. ..	Do. ..	75	Sheds for 12 bullocks and 10 mules.	C	..	2,824	..	..	..	..	..	..	..	..	Estimate of Rs. 2,824 was sanctioned in G.O., No. 1245 W., dated 27th April 1888. Item No. 52, class C works, budget of 1889-90.
	Presidency.	Bangalore .	76	Two quarters for Warrant officers of the Commissariat department.	C	..	11,000	..	..	..	..	..	..	..	..	Estimate is awaited.
	Do. ..	Do. ..	77	Quarters for a Conductor, Transport department.	C	..	5,800	..	..	..	..	..	..	..	..	Estimate of Rs. 5,800 was sanctioned in G.O., No. 992 W., dated 16th April 1886. Item No. 61, class C. works, budget of 1889-90.
	Do. ..	Do. ..	78	Quarters for an Ambulance Sergeant near Cattle lines, Transport department.	C	..	3,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 62, class C works, budget of 1889-90.
	Do. ..	Fort St. George .	79	New iron record shelves for the office of the Examiner, Commissariat Accounts.	C	..	7,790	..	..	..	..	..	..	..	..	Estimate of Rs. 7,790 was sanctioned in G.O., No. 2636 W., dated 21st September 1889.
	Do. ..	Madras ..	80	Workshops and sheds for carts and cattle, Transport department.	C	..	20,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 56, class C works, budget of 1889-90.
	Do. ..	Do. ..	81	Quarters for two Staff Sergeants at Pudupet.	C	..	3,500	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 58, class C works, budget of 1889-90.
	Do. ..	Do. ..	82	Quarters for a Conductor, Commissariat department.	C	..	4,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 59, class C works, budget of 1889-90.
	Do. ..	Do. ..	83	Constructing a wheat godown at Teynampet.	C	..	5,950	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 60, class C works, budget of 1889-90.
	Chingleput.	Guindy ..	84	Quarters for the station butcher attached to the slaughter-house.	C	..	3,600	..	..	..	..	..	..	..	..	Estimate of Rs. 3,600 was sanctioned in G.O., No. 1259 W., dated 30th April 1888. Item No. 54, class C works, budget of 1889-90.
	Do. ..	Saidápet ..	85	Constructing a new road from the Mount Road direct to the slaughter-house.	C	..	3,468	..	..	..	..	..	..	..	..	Estimate of Rs. 3,468 was sanctioned in G.O., No. 534 W., dated 16th February 1888. Item No. 55, class C works, budget of 1889-90.
(7) General Cantonment Works.	..	..	86	Improving the sanitation of lines of Native troops.	A	..	20,000	..	..	..	..	..	..	..	..	Estimates are awaited.
	Bellary ..	Guntakal.	87	New rest-house and site for the rest camp.	B	..	8,040	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 65, class C works, budget of 1889-90.
	Nilgiri ..	Wellington.	88	Connecting, by means of iron pipes, the drinking-water well with the barracks.	B	..	4,715	..	..	..	..	..	..	..	..	Estimate of Rs. 4,715 was sanctioned in G.O., No. 1198 W., dated 6th May 1889.
	Presidency.	Bangalore.	89	Drainage of Royal Horse Artillery, Grass-cutters' lines at Ulsoor and preventing the fouling of the adjacent nullah.	C	..	2,846	..	..	..	..	..	..	..	..	Estimate of Rs 2,846 was sanctioned in G.O., No. 1261 W., dated 1st May 1888. Item No. 66, class C works, budget of 1889-90.
	Do. ..	Do. ..	90	Drainage, British Infantry barracks.	C	..	8,112	..	..	..	..	..	..	..	..	Estimate of Rs. 8,112 was sanctioned in G.O., No. 2615 W., dated 24th August 1888. Item No. 67, class C works, budget of 1889-90.
	Do. ..	Do. ..	91	Constructing box drains east and west of Parade barracks.	C	..	4,184	..	..	..	..	..	..	..	..	Estimate is awaited.
	Do. ..	Fort St. George.	92	Remodelling the drainage ..	C	..	10,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 68, class C works, budget of 1889-90.
	Do. ..	Madras ..	93	Flushing drains of Native Infantry lines at Rayapuram.	C	..	4,300	..	..	..	..	..	..	..	..	Estimate of Rs. 4,300 was sanctioned in G.O., No. 1397 W., dated 4th June 1884. Item No. 69, class C works, budget of 1889-90.
	Chingleput.	St. Thomas' Mount.	94	General improvements to the drains of the cantonment.	C	..	10,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 70, class C works, budget of 1889-90.
(8) Fortifications.	North Arcot.	Vellore ..	95	Draw-bridge and gate for the Fort.	B	..	6,500	..	..	..	..	..	..	..	..	Estimate of Rs. 6,500 was sanctioned in G.O., No. 1963 W., dated 20th July 1889. Item No. 72, class C works, budget of 1889-90.
	West Coast.	Malápuram.	96	Constructing a fortified post.	C	..	8,248	..	..	..	..	..	..	..	..	Estimate of Rs. 8,248 was sanctioned in G.O., No. 3114 W., dated 18th November 1887. Item No. 71, class C works, budget of 1889-90.
	Presidency.	Fort St. George.	97	Demolition of Wallajah ravelin and two lunettes.	C	..	7,426	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 73, class C works, budget of 1889-90.
	Do. ..	Do.	98	Constructing a draw-bridge at the North gate.	C	..	4,487	..	..	..	..	..	..	..	..	Estimate of Rs 4,487 was sanctioned in G.O., No. 2447 W., dated 13th August 1888. Item No. 74, class C works, budget of 1889-90.
	Do. ..	Do. ..	99	Demolition of out-houses, clearance of ditch, and completion of walls.	C	..	10,000	..	..	..	..	..	..	..	..	Estimate is awaited. Item No. 75, class C works, budget of 1889-90.
(4) Staff and Miscellaneous.	Nilgiri ..	Ootacamund.	100	Constructing a latrine for the boys at the Lawrence Asylum.	C	..	3,000	..	..	..	..	..	..	..	..	Estimate of Rs. 3,000 was sanctioned in G.O., No. 2139 W., dated 14th July 1888. Item No. 64, class C works, budget of 1889-90.
	..	..	..	Reserve with the Government for incomplete Major works.	..	11,768	..	..	..	..	..	..	..	..	..	....
					Total ..	84,833	8,75,167	9,60,000	1,70,000	11,30,000	3,20,000	3,33,500	21,500	..	18,05,000	

List of Military Works estimated to cost Rs. 2,500 each or under, &c.—*cont.*

Division or district.	Station.	Description of buildings, &c., and for what corps or departments needed.	Approximate estimate of cost.	Remarks by the Commander-in-Chief.
			RS.	
Madras District—*cont.*	Vizianagrum.	Contagious disease shed ...	917	Approved.
	Berhampore...	Building for Commissariat stores and office.	1,200	When funds are available.
	Do. ...	Extension of the main drains, Regimental lines.	1,000	Necessary.
	Do. ...	Construction of two wells ...	1,000	When funds are available.
	Arkónam ...	Improving drains outside the compound of the rest-house.	560	Approved.
Bangalore District.	Bangalore ...	Royal Artillery—Latrine, Staff Sergeants' quarters, Royal Horse Artillery.	2,100	Very necessary on sanitary grounds.
	Do. ...	Quarters, Battery—Quartermaster Sergeant, Royal Horse Artillery	1,100	Desirable.
	Do. ...	Cook-house—Sergeants' mess, field batteries.	1,470	Necessary.
	Do. ...	Latrine for men—Stables, field batteries.	620	Do.
	Do. ...	Board floor, recreation room—Royal Horse Artillery.	1,240	
	Do. ...	Stone-floor to gun-shed, &c. ...	1,160	
	Do. ...	Two Riding schools	1,156	Necessary. Estimate already sanctioned by Government.
	Do. ...	Latrine—Six seats for men at stables.	600	Very desirable.
	Do. ...	Camp equipage stores—Connecting with water-supply.	1,170	When funds are available.
	Do. ...	Latrine for followers	1,600	Necessary.
	Do. ...	South Station Hospital—Quarters for men of Army Hospital, Native Corps.	924	
	Do. ...	North Station Hospital—Quarters for men of Army Hospital, Native Corps.	756	
	Do. ...	Improving place-of-arms and hospital	700	
	Do. ...	Improving Staff Sergeants' quarters.	2,000	When funds are available.
	Do. ...	Improving road from race-course barracks to slaughter-house.	1,400	
	Do. ...	Additions to accommodation in Transport lines.	1,545	Urgently required.
	Do. ...	Converting Sergeants' quarters into Sub-Conductors' quarters.	1,000	Very necessary.
	Do. ...	Two grass-sheds for the two field batteries.	920	Unauthorised, but desirable.
	Do. ...	Constructing a stone drain in forage yard and levelling ground.	1,440	Approved.
	Do. ...	Providing a boarded floor in the room now used as a fencing-room.	800	
	Do. ...	Lining with stone the drain east and west of barrack limits, parade barracks.	1,538	Desirable.
	Do. ...	New drains in Transport lines to carry off water.	1,100	Approved.
	Do. ...	A room suitable for an office for the Quartermaster at north end of Quartermaster's stores, British Infantry.	2,160	

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List of Military Works estimated to cost Rs. 2,500 each or under, &c.—*cont.*

Division or district.	Station.	Description of buildings, &c., and for what corps or departments needed.	Approximate estimate of cost.	Remarks by the Commander-in-Chief.
			RS.	
Bangalore District—*cont.*	Bangalore ...	Drains around the Married and Staff Sergeants' quarters, &c., British Infantry at St. John's Hill Barracks.	710	Approved.
	Do. ...	Two horse-stables for Staff Sergeants' quarters, Commissariat Department.	570	Necessary.
	Do. ...	Two Servants' quarters for Commissariat Department.	637	
	Do. ...	Quarters for one first-class Purveyor, North Station Hospital.	800	
	Do. ...	Quarters for one second-class Purveyor, North Station Hospital.	600	
	Do. ...	Providing glazed slashes to the Staff and Married Sergeants' quarters, "Queen's Own" Sappers and Miners at St. John's Hill.	575	When funds are available.
	Do. ...	Repairs to Theatre of Royal Horse Artillery.	2,500	
	Do ...	Shoemaker's shop for one Field Battery, Royal Artillery.	2,000	Approved.
	Do. ...	Quarters for two Hospital Assistants of "Queen's Own" Sappers and Miners.	2,165	
	Do. ...	Quarters for two Hospital Assistants for East Hutting lines.	2,165	
	Do. ...	Quarter-guard and Defaulter's room, East Hutting lines.	1,620	
	Do. ...	Quarter-guard and Defaulter's room, West Hutting lines.	1,620	
	Do. ...	Garrison Hospital—Conversion of old Apothecaries' quarters into quarters for six Hospital Assistants.	1,000	
	Do. ...	Alterations to Infirmary Stables.	747	
	Do. ...	Providing stone-flooring for working the guns in the bastions of the Agram entrenchment.	993	
	Matigiri ...	Rebuilding the partition walls between the stalls of the forty horse-stables, Remount Depôt.	890	Necessary.
Belgaum District.	Bellary ...	Renewing floor, No. II Magazine, Fort.	616	Very necessary.
	Do. ...	Reflooring Commissariat Store-rooms with asphalte.	670	
	Do. ...	Drain pipes required to be fitted around the buildings to carry off rain-water from the roofs.	1,690	Desirable.
	Do. ...	Skittle alley	1,600	When funds are available.
	Do. ...	Compound wall for the quarters of the Army Hospital Corps.	1,346	
	Do. ...	Compound wall with two gates to enclose female hospital attached to Station Hospital.	1,300	
	Do. ...	Compound wall for Medical subordinates' quarters—Station Hospital.	535	

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List of Military Works estimated to cost Rs. 2,500 each or under, &c.—*cont.*

Division or district.	Station.	Description of buildings, &c., and for what corps or departments needed.	Approximate estimate of cost.	Remarks by the Commander-in-Chief.
			RS.	
Belgaum District—*cont.*	Bellary ...	Enlarging a well in the cantonment.	854	When funds are available.
	Do. ...	Improving present Armourers' shop, Native Cavalry, by adding a browning room and opening a large window.	700	Very necessary.
	Do. ...	Skittle alley for British Infantry.	1,600	When funds are available.
	Do. ...	Masonry wall around Madras Cavalry Regiment Magazine.	800	
	Do. ...	Alterations and improvements to the garrison Provost prison.	2,144	Very necessary; should be executed, if possible, in coming year.
Southern District.	Wellington ...	Renewing floors of latrines and school block.	1,680	Necessary.
	Do. ...	Enlarging Purveyor's stores ...	2,000	Very necessary.
	Do. ...	Supplying cooking stove, Sergeants' mess.	800	Desirable.
	Do. ...	Shed for dhooly-bearers and dhooly.	2,300	Approved, but estimate seems very high.
	Do. ...	A building for manufacturing blank ammunition.	1,000	Necessary.
	Do. ...	A ward for lunatic men in the Station Hospital.	850	
	Do. ...	Diverting the surplus water of the reservoir from old channel to new, under road-way at south-east end of staff block.	880	Approved.
	Do. ...	Fixing iron hand rails to the stair cases of the night latrine of barracks.	705	
	Do. ...	Improvements to the Station Hospital and its water-supply.	530	
	Do. ...	Room for attendant on bed-ridden patients.	1,000	
	Cannanore ...	Alterations and improvements to the Government Bakery.	2,117	Desirable.
	Do. ...	Constructing quarters for the Hospital Purveyer.	1,326	Approved.
	Calicut ...	Stable and harness-room for 12 mules for the Commissariat Department at West Hill barracks.	1,900	Approved, but something on a cheaper scale should be provided.
	Do. ...	Road to Transport lines ...	1,000	Approved, if such a road is found necessary when a site for the new lines is finally settled.
	Do. ...	Extension of present wash and bath houses for the detachment.	750	Approved.
	Do. ...	Servants' houses and stables for Apothecary's quarters, West Hill.	990	
	Do. ...	Lines for Native Army Hospital for eight men.	1,056	
	Do. ...	Quarters for Hospital Purveyor, West Hill barracks.	1,163	Necessary.
	Malapuram ...	Converting beer godown into a gymnasium for detachment.	790	Very necessary.
	Do. ...	Providing a platform and pump to well.	1,110	

List of Military Works estimated to cost Rs. 2,500 each or under, &c.—*cont.*

Division or district.	Station.	Description of buildings, &c., and for what corps or departments needed.	Approximate estimate of cost.	Remarks by the Commander-in-Chief.
			RS.	
Southern District—*cont.*	Malapuram ...	Quarters for Hospital Purveyor.	1,250	Necessary.
	Do. ...	Quarters for 7 men of the Army Hospital Native Corps.	2,030	
	Do. ...	Converting the old contagious disease ward into quarters for the Commissariat Sergeant.	2,270	
	Do. ...	Raising the roof and improving theatre.	700	Approved.
	Do. ...	Renewing asphalte floor to the Racquet Court.	600	
	Quilon ...	Renewing floor of hospital ...	1,970	Desirable.
	Do. ...	Two solitary cells	1,245	Approved.
	Do. ...	Armourers' shop	2,489	
Belgaum District.	Mangalore ...	Reflooring hospital—Madras Infantry.	695	When funds are available.
	Do. ...	Additions to Armourers' workshop.	790	
	Do. ...	Putting a tar composite floor in place-of-arms in lieu of the existing wooden floor—Native Infantry.	653	
	Do. ...	Constructing parapet walls to two wells, erecting nine dust-bins and providing six designation boards for hospital ward—31st Light Infantry.	671	Approved.
	Do. ...	Constructing a well in the compound of the Native Infantry Hospital.	500	
	...	Lump-sum provision for works costing below Rs. 500 each.	17,027	
		Total ...	1,70,000	

Imperial
Military works

Madras.

3583-84

Public Works Department.

Imperial Budget-Estimate
of
Military Works
of the
# Government of Madras
for the year
1890-91.

Imperial

Military works

1853-54 Madras.

2

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Imperial
Military works

Madras

Revenue

Abstract of the Budget Estimate of Revenue of the Public Works Deptt. from Military Works in Madras from 1st April 1890 to ~~1st~~ 31st March 1891.

—	Actuals 1888-89	Budget Estimate 1889-90	Revised Estimate 1889-90	Budget Estimate 1890-91.
	Rs	Rs	Rs	Rs
In Public Works Department.	27,384	27,000	30,000	30,000
In Civil & Military Departments.	"	"	"	"
Total	27,384	27,000	30,000	30,000

Charges.

Abstract of the Budget Estimate of Expenditure of the Public Works Department of Military Works in Madras from 1st April ~~1889~~ 90 to 31st March ~~1890~~ 1891

—.	Reference to detailed estimate	Actuals 1888-89	Budget Estimate 1889-90	Revised Estimate 1889-90	Budget Estimate 1890-91
	Rs	Rs	Rs	Rs	Rs
Original Work {In progress Not commenced}	"	2,02,806	2,53,260	2,93,514 ~~2,91,[illegible]~~	2,84,400
Repairs {Ordinary Special}		2,99,286	2,95,650	2,93,560	3,00,000
Establishment		1,07,498	1,27,600	1,35,037 ~~1,3[illegible]~~	1,35,900
Tools and Plant		8,922	8,200	~~[illegible]~~ 8,685	8,800
Suspense Account		"	"	"	"
Total		6,16,511	6,84,700	~~7,15,294~~ 7,30,794	7,29,100

Imperial
Military works

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Madras.

Abstract of the charges to be incurred by the Public Works Deptt. from Imperial funds and contributions in both India & England.

—	Actuals 1888-89	Budget Estimate 1889-90	Revised Estimate 1889-90	Budget Estimate 1890-91: Original works. In progress	Not commenced	Total	Repairs	Establishment	Tools & Plant	Suspense account	[illegible]	Total
	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs
Provision from Imperial Funds												
In India	6,16,511	6,84,700	7,15,294	1,32,730	1,51,670	2,84,400	3,00,000	1,35,900	8,800	"	"	7,29,100
In England.	"	"	"	"	"	"	"	"	"	"	"	"
Total	6,16,511	6,84,700	7,15,294	1,32,730	1,51,670	2,84,400	3,00,000	1,35,900	8,800	"	"	7,29,100
Provision from Contributions												
In India	8,522	"	"	"	"	"	"	"	"	"	"	"
Grand Total	6,25,033	6,84,700	7,15,294	1,32,730	1,51,670	2,84,400	3,00,000	1,35,900	8,800	"	"	7,29,100

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

—	Actuals 1888-89	Budget Estimate 1889-90	Revised estimate 1889-90	Budget Estimate 1890-91: Original works. In progress	Not commenced	Total	Tools and Plant	Suspense Account	Total

— Nil —

Imperial
Military Works

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Part

Detail of the Budget-Estimate for Class A

I

Original Works for the year 1890-91.

Works

3583-84

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Head of Classification	Executive Division	Locality	Item No	Projects and works.	Amount of Estimate	Outlay: Actual Cost of 1888-89	Outlay: Probable during 1889-90	Grant 1890-91: Works in progress	Grant 1890-91: Works not Commenced	Grant 1890-91: Total	Item No	Remarks and References.
				Imperial Ordinary Military Original Works								
1. Accommodation for troops — Buildings for European Troops in the plains. Permanent.	Bellary	Bellary	1	Reroofing the verandahs of the married range of the European Infantry Barracks	13,307	6,544	4,263	2,500	.	.	1	G. O. No. 3420 W d/ 15 Decr 1887
	Do.	Do.	2	Const. a Mangalore tiled roof over the existing roof of the Station hospital	4,647	"	2,500	2,147	.	.	2	G.O. No. 1423 W d/ 29 May 1889.
	Chingleput	Poonamallee	3	New barracks	1,66,885	26,624	30,000	50,000	–	54,647	3	G. O. No. 465 W d/ 19 Feby 1879. Item No. 2 Class A works, Budget of 1889-90. Revised estimate is awaited
Buildings for Native troops	Presidency	Bangalore	4	Public buildings for a regiment of Native Cavalry	30,533	"	20,000	20,000	–	20,000	4	G.O. No. 1607 W d/ 19 June 1885. Item No. 3. Class B works, Budget of 1889-90
Ordnance	Bellary	Bellary	5	Non-Commissioned officers quarters Bellary arsenal	35,350		9,880	25,470		25,470	5	G. O. No. 1650 W d/ 18 June 1887 Item No. 6 Class B Works, Budget of 1890-91
Commissariat	West Coast	Calicut	6	Sheds for transport animals at Calicut.	11,265	400	7,800	3,065		3,065	6	G.O. No. 3302 W d/ 17th Octr 1888.
Fortification	Presidency	Madras	7	Alterations to Rifle ranges at Veparampoudy	6,076	"	6,076	2,449	.	2,449	7	G.O. No. 3150 W d/ 8 Octr 1888. Item No. 13 Class B works Budget of 1889-90. Revised estimate is awaited.
				Total				1,05,631		1,05,631		

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Imperial Military works

Detail of the Budget Estimate for Part I (continued)
Class B Original works for the year 1890-91.
works.

Head of Classification	Executive Division	Locality	Item No	Projects & works	Amount of Estimate	Outlay Actual to end of 1888-89	 Probable during 1889-90	Grant 1890-91 Works in progress	 Works not commenced	 Total	Item No	Remarks and References
				Imperial Ordinary Military Original works.								
1st Accommodation for troops Buildings for European troops in the plains. Permanent.	...	...	1	Institutes for British Regiments & Batteries.		-	-		20,000		1	Estimates are awaited.
	West Coast	Calicut	2	New barrack with subsidiary buildings.		-	-		20,000		2	Estimate is awaited. Item No 14. Class C works: Budget of 1889-90.
	Nilgiris	Wellington	3	Officers' Mess.		-	-		28,040		3	Estimate is awaited.
	Do	Do	4	Constructing hut-barrack for 100 men.		-	-		20,000		4	Estimate is awaited. Item No 11, Class C Works. Budget of 1889-90.
	Presidency	Fort St George	5	Constructing two rooms and bathrooms on the Second floor of No 4 Field Officers' quarters for the use of the offices of the Surgeon-General Her Majesty's Forces and of his Secretary.	4,915	-	-	[illegible]	4,915	92,955	5	G.O. No 2236 W d/16 Augt 188
Ordnance	Bellary	Bellary	6	Constructing a Building for the receipt department at the Bellary Arsenal.		"	"	"	4,000		6	Estimate is awaited
	Do	Do	7	Constructing a building for the same Department at the Bellary Arsenal.					4,000		7	— Do — 14
			8	Reserve with the limit for incomplete Ordnance Works		"	"	"	"		8	
			9	Minor Works under Ordnance		"	"	4,000	6,000	18,000	9	

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Part –

Detail of the Budget Estimate (continued) for Original works for the year 1890–91.

Class F works.

Head of Classification	Executive Division	Locality	Item No	Projects and Works	Amount of Estimate	Outlay: Actual to end of 1888-89	Outlay: Sanctioned during 1889-90	Grant 1890–91: Works in progress	Grant 1890–91: Works not commenced	Grant 1890–91: Total	Item No	Remarks and References.
				Imperial Ordinary Military Original works.								
General Cantonment works.	..	..	10	Improvements to the Sanitation of the lines of Native troops.				.	10,000		10	Estimates are awaited
	Nilgiri	Wellington	11	Connecting by means of iron pipes, the drinking water well with the barracks ..	4,715			.	4,715	24,715	11	G.O. No 1198 W d/ 16 May 1889.
			12	Reserve with the Govt for incomplete major works				13,099	.	13,099	12	
			13	Reserve with the Govt for incomplete minor works				10,000	..	10,000	13	
			14	New minor works.				..	20,000	20,000	14	
				Total				27,099	1,51,670	1,78,769		
				Grand Total				1,32,730	1,51,670	2,84,400		

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Appendix B

List of Works (or Class C Works) omitted from the Budget Estimates 1890-91, but on which expenditure may be incurred during the year by reappropriation from Class B works.

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Head of Classification	Executive Dn	Locality	Item No	Projects and Works	Amount of Estimate	Outlay: Actual to end of 1888-89	Outlay: Probable during 1889-90	Amount applied for 1890-91: works in progress	Amount applied for 1890-91: works not commenced	Amount applied for 1890-91: Total	Item No	Remarks & References
				Imperial Ordinary Military Original Works.								
1. Accommodation for troops. Buildings for European Troops in the plains. Permanent.	Bellary	Bellary		Quarters of the Band Master of the European Infantry regiment.	4,075				4075			G.O. No. 1441 W. d/16 May 1888.
	Do.	Do.		Swimming bath for British Infantry.	7,644				7,644			Estimate of Rs 7,644 was sanctioned in G.O. No. 2434 W d/19-10-85. Item No. 1 Class C. Works Budget of 1889-90.
	Do.	Do.		New guard room for the Station hospital.	4,290				4,290			Estimate of Rs 4290 was sanctioned in G.O. No. 1384 W d/11-5-88 Item No. 3, Class C Works Budget of 1889-90.
	Do.	Do.		Re-roofing with Mangalore tiles the verandahs of the British Infantry barracks.					48,350			Estimate is awaited.
	Do.	Do.		Quarters for Farrier Sergeant, Royal Artillery at Chief Veterinary Hospital.					3,738			Do.
	Do.	Do.		Quarters for Shoeing-smith and line orderly at Chief Veterinary hospital.					2,600			Do.

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Appendix

List of Works (or Class C Works) omitted from the Budget … incurred by reappropriation from Class B Wor…

B (continued)

Estimates of 1890–91 but on which expenditure may be (contd)

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Head of Classification	Executive Dn	Locality	Item No	Projects and Works	Amount of Estimate	Outlay: Actual to end of 1888-89	Outlay: Probable during 1889-90	Amount applied for 1890–91: Works in progress	Amount applied for 1890–91: Works not commenced	Amount applied for 1890–91: Total	Item No	Remarks and References
	Bellary	Bellary		Enlarging and improving Chief Veterinary hospital					8,490			Estimate is awaited.
	Do	Do		Barrack-master's quarters and out-houses					3,500			Do
	Do	Do		Barrack-Sergeant's quarters & out-houses.					3,500			Do
	~~Do~~	~~Do~~		~~Covering with a galvanised iron roof over the existing roof of the Station hospital.~~	~~4,647~~				~~4,647~~			~~Estimate of Rs 4,647 was sanctioned in G.O. No [illegible] W d/ [illegible] May 1889.~~
	Do	Do		Infectious disease ward, cook-house and Station hospital.	6,140				6,140			Estimate of Rs 6,140 was Sanctioned in G.O. No 320 W d/ 7 Feby 1884. Item No 4, Class C Works, Budget of 1889–90.
	Do	Do		Purveyor's quarters for the Station hospital					3,046			Estimate of Rs 3,046 was Sanctioned in G.O. No 771 W d/ 7 March 1888. Item No 5, Class C. works, Budget of 1889–90.
	West Coast	Calicut		Quarters for an Apothecary West Hill Barracks.					5,000			Estimate is awaited.
	Do	Mangalore		Quarters for two hospital Assistants.					5,500			Do
	Nilgiris	Wellington		Converting the racquet court into a covered gymnasium for the use of the British Infantry regiment	11,244				11,244			Estimate of Rs 11,244 was Sanctioned in

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Appendix B (contd.)

List of Works (or Class C Works) omitted from the Budget Estimates of 1890-91 but on which expenditure may be incurred during the year by reappropriation from Class B works (contd.).

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Head of Classification	Executive Division	Locality	Item No.	Projects and Works	Amount of Estimate	Outlay: Actuals to end of 1888-89	Outlay: Sanctioned grant 1889-90	Amount applied for 1890-91: Works in progress	Amount applied for 1890-91: Works not commenced	Amount applied for 1890-91: Total	Item No.	Remarks and References
				Brought forward ... Imperial Ordinary — contd. Military — contd. Original Works — contd.								in G.O. No. 1893 W. d/ 15-7-89 Item No. 9, Class C Works. Budget of 1889-90.
	Nilgiri	Wellington		Constructing an officers' m for the Station hospital.					3,000			Estimate is awaited.
	Do.	Do.		Constructing a laundry for the Station hospital.					3,000			Do.
	Do.	Do.		Constructing a block of officers' quarters to accommodate six bachelors of the British Infantry battalion.					40,000			Do.
	Do.	Do.		Constructing a block of officers' quarters for six bachelors of the Convalescent Depôt					40,000			Do.
	Do.	Do.		Quarters for an Assistan Apothecary					6,000			Do.
	Do.	Do.		Quartermaster's Store and office for British Infantry regiment.					25,000			Estimate is awaited. Item No 7, Class C Works, budget of 1889-90.
	Do.	Do.		A ward to accommodate 35 men, Station hospital					20,000			Estimate is awaited Item No 8, Class C Works, Budget of 1889-90.
	Do.	Do.		Quarters for three hospital purveyors.	4,750				4,750			Estimate of Rs 4,750 was sanctioned in G.O. No. 615 W. d/ 21-2-88. Item No 10 Class C Works Budget of 1889-90.

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Appendix B (contd)

List of works (or Class C works) omitted from the Budget Estimate of 1890-91 but on which expenditure may be incurred by reappropriation from Class B works (contd).

Head of Classification	Executive Dn.	Locality	Item No.	Projects and Works	Amount of Estimate	Outlay: Actual to end of 1888-89	Outlay: Likely during 1889-90	Amount applied for 1890-91: Works in progress	Amount applied for 1890-91: Works not commenced	Amount applied for 1890-91: Total	Item No.	Remarks & References
				Brought forward. Imperial Ordinary — contd. Military — contd. Original Works — contd.								
	Nilgiri	Ootacamund		Quarters for a Sub Conductor attached to the Army Head quarters.					7,500			Estimate is awaited. Item No 12 Item No 12, Class C Works, Budget of 1889-90.
	Do.	Do.		Converting the Sapper hospital building on Stone-house Hill into quarters for two Sergeant Instructors Nilgiri Volunteer Rifles.	3600				3,600			Estimate of Rs 3,600 was Sanctd in G.O. No 1068 W d/ 9-4-88. Item No 13, Class C Works, budget of 1889-90.
	Chingleput	St Thomas' Mount		Verandahs round each of the stables of the two field batteries.					6,000			Estimate is awaited.
	Do.	Do.		A wheeler & collar maker's shop for the West barracks.	5,66				5,660			Estimate of Rs 5,660 was Sanctd in G.O. No 2717 W d/ 3-11-84. Item No 31 Class C Works Budget of 1889-90.
	Do.	Do.		Sergeants' mess for East barracks.	5450				5,450			Estimate of Rs 5,450 was Sanctd in G.O. No 1118 W d/ 14 Apl 1888. Item No 32, Class C Works, Budget of 1889-90

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Appendix B (contd)

List of works for Class C Work, omitted from the Budget Estimate of 1890-91, but on which expenditure may be incurred during the year by reappropriation from Class B works (contd)

Head of Classification	Executive Dn	Locality	Item No	Projects and Works	Amt of Estimate	Outlay: Actual Outlay 1888-89	Outlay: Probable during 1889-90	Amount applied for 1890-91: Works in progress	Amount applied for 1890-91: Works not commenced	Amount applied for 1890-91: Total	Item No	Remarks & References
				Brought forward Imperial Ordinance—contd. Military—contd. Original works—contd								
	Chingleput	St Thomas' Mount		Quarters for three medical subordinates attached to the Station hospital.					8,000			Estimate is awaited. Item No 33 Class C Works Budget of 1889-90.
	Do	Do		Quarters for Head-quarter Staff, Royal Artillery					4,000			Estimate is awaited. Item No 34, Class C Works, Budget of 1889-90.
	Do	Do		Battery office for P/1st Royal Artillery, East barracks.	3,700				3,700			Estimate of Rs 3700 was sanctioned in G.O. No 1552 W d/ 28-5-88, Item No 35, Class C Works, Budget of 1889-90.
	Do	Do		Raising the roof of harness-room, Troop lines	4200				4,200			Estimate of Rs 4200 was sanctioned in G.O. No 3137 W d/ 17-12-87 Item No 36, Class C Works, Budget of 1889-90.
	Do	Poonamallee		Warrant officer's quarters					3,500			20 Estimate is awaited. Item No 27 Class C Works Budget of 1889-90.
	Do	Do		Two staff sergeants' quarters, first class.					6,000			Estimate is awaited Item No 28, Class C Works Budget of 1889-90.
	Do	Do		Coffee shop.					9,000			Estimate is awaited. Item No 29 Class C Works, Budget of 1889-90.
	Do	Pallavaram		One mortuary room for each of the three hospitals Nos 1 to 3.					3,000			Estimate is awaited, Item No 30, Class C Works budget of 1889-90.

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Appendix B (continued)

List of works (or Class C works) omitted from the Budget Estimate of 1890-91, but on which expenditure may be incurred during the year by re-appropriation from Class B works (contd)

Head of Classification	Executive Dn	Locality	Item No.	Projects and Works	Amount of Estimate	Outlay: Actual to end of 1888-89	Outlay: Probable during 1889-90	Amount applied for 1890-91: Works in progress	Amount applied for 1890-91: Works not commenced	Amount applied for 1890-91: Total	Item No.	Remarks and References
				Brought forward Imperial Military—contd. Military—contd Original Works—contd.								
	[illegible]	Bangalore		Country-collar-maker's shop for the Royal Artillery.					3,040			Estimate is awaited
	Do	Do		Battery office for one field battery					6,000			Do
	Do	Do		Store-rooms for one field battery.					5,000			Do
	Do	Do		One new barrack for British Cavalry regiment					32,500			Do
	Do	Do		Bowling alley to be converted into a skittle alley.					2,800			Do
	Do	Do		Laundry and disinfecting room for South Station hospital.					7,000			Do
	Do	Do		Quarters for farrier-sergeant, shoeing-smith, line-orderly, and building for office, pharmacy, &c. Station Veterinary hospital.					9,230			Do
	Do	Do		Brick-making shop. Queen's Own Sappers and Miners.					6,000			Do

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Appendix B (continued)

List of works (or Class C. Works) omitted from the Budget Estimates of 1890-91, but on which expenditure may be incurred during the year by re-appropriation from Cla

Head of Classifn.	Executive Dn.	Locality	Item No.	Projects & Works	Amount of Est.	Outlay: Actual Exp. of 1888-89	Outlay: Probable during 1889-90	Amount applied for 1890-91: Works in progress	Amount applied for 1890-91: Works not commenced	Total	Item No.	Remarks & References
				Brought forward. Imperial Ordinary—contd. Military—contd. Original Works—contd.								
	Presidency	Bangalore		One block of two quarters for two Sergeants, Queen's Own Sappers & Miners		.	.	.	3,000			Estimate is awaited. Item No. 15 Class C Works Budget of 1889-90
	Do.	Do.		Quarters for School master and School-Mistress Royal Artillery	10,240		-	-	10,240			Estimate of Rs 10,240 was Sanctd in G.O. No. 2384 W d/ 20-9-86 Item No. 16, Class C Works, Budget of 1889-90.
	Do.	Do.		New orderly-room ~~and~~ or conversion of Quarter-Master's Stores into orderly room and Stores 12th Lancers.			.	.	6,500			Estimate is awaited. Item No. 17 Class C Works, budget of 1889-90.
	Do.	Do.		Battery office for Royal Horse Artillery	5,680		.	.	5,680			Estimate of Rs 5680 was sanctd in G.O. No. 2906 W d/ 17 September 1888. Item No. 18, Class C Works, Budget of 1889-90.
	Do.	Do.		Quarters for the Senior Apothecary North Station hospital.	5,300		.	.	5,300			Estimate of Rs 5,300 was sanctioned in G.O. No. 3385 W d/ 27 November 1883. Item No. 20, Class C Works, budget of 1889-90.

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Appendix B (continued).

List of Works (or Class C works) omitted from the Budget Estimate of 1890-91 but on which expenditure may be incurred during the year by reappropriation from Class B works (contd).

Head of Class	Executive Dn	Locality	Item No	Projects & works	Amount of Estimate	Outlay: Actual to end of 1888-89	Outlay: Estimated during 1889-90	Amount applied for 1890-91: Works in progress	Amount applied for 1890-91: Works not commenced	Amount applied for 1890-91: Total	Item No	Remarks & References
				Brought forward — Imperial Ordinary — contd. Military contd. Original Works — contd.								
	Presidency	Bangalore		Quarters for the Assistant Apothecary North Station hospital.	4,773				4,773			Estimate of Rs 4,773 was sanctd in G.O. No $\frac{938W}{2}$ d/5 Apl 1884. Item No. 21, Class C Works, budget of 1889-90.
	Do	Do		Constructing a wheeler's shop for the Royal Horse Artillery.					3,320			Estimate is awaited.
	Do	Do		Constructing an orderly and officer's room for British Cavalry, Agram barracks.	7,570				7,570			G.O. No 3151W d/ 8 Oct 1884
	~~Do~~	~~Do~~		~~Stores [illegible] & workshops for the [illegible] regiment.~~					~~4,680~~			~~Estimate is awaited.~~
	Do	Madras		New Military hospital on the site of the old fishing village near the Presidency College.					25,000			Estimate is awaited. Item No. 22 Class C Works, budget of 1889-90
	Do	Fort St George		Garrison bazaars to be done away with, and new cook houses to be built on the site.					4,500			Estimate is awaited. Item No 24. Class C Works, budget of 1889-90

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Appendix

List of works (or Class C works) omitted from the Budget – incurred during the year by reappropriation from

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B (continued)
– Estimate of 1890-91 but on which expenditure may be
Class B works (contd)

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Head of Classfn	Executive Dn	Locality	Item No	Projects and works	Amount of estimate	Outlay: Actual to end of 1888-89	Outlay: Probable during 1889-90	Amount applied for 1890-91: Works in progress	Amount applied for 1890-91: Works not commenced	Amount applied for 1890-91: Total	Item No	Remarks and References
				Brought forward – Imperial Army – contd. Military – contd. Original works – contd.								
	Presidency	Fort St George		Repairs to floors of B.C. D blocks, family quarters.					10,070			Estimate is awaited. Item No. 25 Class C Works, budget of 1889-90.
	Do	Do		Construction of coach-houses and stables for the use of officers.					15,770			Estimate is awaited. Item No. 26. Class C Works, budget of 1889-90.
		Do		Converting the main guard magazine into a latrine &c in connection with the Scheme of providing extra accommodation for troops.					3,820			Estimate is awaited.
Buildings for Native troops.	Vizagapa-tam.	Viziana-gram.		Reroofing the hospital.					3,000			Do.
	* Bellary	Bellary		New saddle room for Native cavalry regiment.	30,000				10,000			Estimate of Rs 30,000 was Sanctd in G.O. No. 92 W d/ 15 Jany 1889.
	Do	Do		Places of arms for a regiment of Madras Infantry.	10,070				10070			Estimate of Rs 10,070 was Sanctd in G.O. No. 92 W d/15th Jany 1889. Item No. 38, Class C Works, budget of 1889-90.
	* Vizagapa-tam	Viziana-gram		Regimental Store for Native Infantry including Storage for camp Equipage.	3,480				3480			Estimate of Rs 3,480 was Sanctd in G.O. No. 2628 W d/27 Oct 1886. Item No. 57 Class C Works, budget of 1889-90. JH

Appendix B (contd)

List of works (or Class C works) omitted from the Budget Estimate of 1890-91 but on which expenditure is likely to be incurred during the year by reappropriation from Class B works (contd)

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Head of Classn	Executive Dn	Locality	Item No	Projects and works	Amt of estimate	Outlay: Actual outlay 1888-89	Outlay: Probable during 1889-90	Amount applied for 1890-91: Works in progress	Amount applied for 1890-91: Works not commenced	Amount applied for 1890-91: Total	Item No	Remarks and References
				Brought forward— Imperial Ordinary—contd. Military—contd. Original works—contd.								
	Bellary	Bellary		School house for Native Infantry regiment.	3,030	-	-		3,030			Estimate of Rs 3,030 was Sanctd in G O No 149 W d/ 17-1-84. Item No 39, Class C works budget of 1889-90.
	West Coast	Cannanore		Quarters for 11 men of the Army Hospital Native Corps					3,670			Estimate is awaited. Item No 43 Class C works budget of 1889-90
	Nilgiri	Wellington		Quarters for 32 men of the Army hospital Native Corps					12,380			Estimate is awaited. Item No 41 Class C works budget of 1889-90.
	Presidency	Bangalore		Store rooms & workshops for the Pioneer regiment.					4,860			Estimate is awaited.
	Chingleput	Pallavaram		Powder magazine for Madras Infantry regiment.	4,900				4,900			Estimate of Rs 4,900 was Sanctd in G O No 334 W d/ 8-2-86. Item No 44 Class C works budget of 1889-90.
	Do	Do		Armourer's shop for Madras Infantry regiment.	2,880				2,880			Estimate of Rs 2880 was Sanctd in G O No 3149 W d/ 22-12-84. Item No 45, Class C works, budget of 1889-90.

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Appendix

List of works (or Class C Works) omitted from the Budget incurred during the year by reappropriation

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B (contd)

Estimate of 1890-91 but on which expenditure may be from Class B works — contd.

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Head of Class[n]	Executive Div[n]	Locality	Item No	Projects and works	Amount of Estimate	Outlay: Actual to end of 1888-89	Outlay: Probable during 1889-90	Amount applied for 1890-91: Works in progress	Amount applied for 1890-91: Works not commenced	Amount applied for 1890-91: Total	Item No	Remarks and References
				Brought forward. Imperial Ordinary — contd Military — contd. Original works — contd.								
Ordnance.	Chingleput	St Thomas' Mount		Warden shed at the Proof range	2,820				2,820			G.O. No 3077 W d/ 18-12-84. Item No 46 Class C Works budget of 1889-90
	~~Presidency~~	~~Madras~~		~~Cover[ed] sheds for mules at the Transport lines, Pudupet.~~					~~11,210~~			~~Estimate is awaited.~~
	Presidency	Madras		Constructing a coal store at Pepeary.					5,000			Estimate is awaited. Item No 47 Class C Works budget of 1889-90
	Do.	Do.		Providing Sunshades to exposed doors & windows of the Ordnance Lines, Luxatus.	4,160				4,160			G.O. No 2248 W d/ 22-8-87 Item No 48 Class C Works budget of 1889-90.
	Do.	Do.		New workshops, Gun Carriage Factory.	84,830		45,000	39,830				G.O. No 2867 W d/ 12-10-87.
	Do.	Do.		Reconstructing the existing saw sheds Gun Carriage Factory.					17,615			Estimate is awaited.
	Do.	Do.		Stables for each of the quarters, Ordnance Lines Madras					8,570			Do. [illegible]

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Appendix B (contd)

List of works (or Class C Works) omitted from the Budget Estimate of 1890-91 but on which expenditure may be incurred during the year by reappropriation from Class B works. — contd.

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Head of Class'n	Executive Div'n	Locality	Item No	Projects and works	Amt of Estimate	Outlay: Actual to end of 1888-89	Outlay: Probable during 1889-90	Amount applied for 1890-91: Works in progress	Amount applied for 1890-91: Works not commenced	Amount applied for 1890-91: Total	Item No	Remarks and References
	Presidency	Madras		Alterations to the roof of the Blending house, Gun Carriage Factory.					8,798			Estimate is awaited.
	Do	Do		Re-roofing Ordnance Lines.	57,598			12,35039,48				G.O. No. 1514 W d/ 7th June 1889.
Commissariat	Bellary	Bellary		Commissariat Conductor's quarters & out houses					3,500			Estimate is awaited.
	Do	Do		Shelter for Transport Carts &c					3,600			Do.
	West Coast	Malapuram		Cattle Shed for the Commissariat Department.					4,000			Estimate is awaited. Item No. 37. Class C Works, budget of 1889-90.
	Do	Do		Shed for 12 bullocks and 10 mules.	2,824				2,824			Estimate of Rs 2,824 was sanctioned in G.O. No. 1245 W d/ 27-4-88 Item No. 52 Class C Works budget of 1889-90.
	Nilgiris	Wellington		Quarters for a Milling Engineer Commissariat Department.					7,500			Estimate is awaited. Item No. 49, Class C Works budget of 1889-90.
	Chingleput	Guindy		Quarters for the Station butcher attached to the Slaughter house.	3,600				3,600			27 Estimate of Rs 3,600 was sanctioned in

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Appendix (contd)

List of works (or Class C works) omitted from the Budget Estimate of 1890-91 but on which expenditure may be incurred during the year by reappropriation from Class B works — contd.

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Head of Classifn	Executive Dn	Locality	Item No	Projects and works	Amt of Estimate	Outlay: Actual to end of 1888-89	Outlay: Probable during 1889-90	Amount applied for 1890-91: Works in progress	Amount applied for 1890-91: Works to commence	Amount applied for 1890-91: Total	Item No	Remarks and References
												in G.O. No 1259 W dd 30-4-88. Item No 54, Class C Works, budget of 1889-90.
	Chingleput	Saidapet		Constg a new road from the Mount Road direct to the Slaughter house	3,468	.	.		3468			Estimate of Rs 3,468 was Sanctd in G.O. No 534 W dd 16-2-84 Item No 55 Class C Works budget of 1889-90.
	Presidency	Bangalore		Two quarters for warrant officers of the Commissariat Department		.	.	.	11,000			Estimate is awaited.
	Do	Do		Quarters for a Conductor, Transport Department.	5,800	.	.	.	5,800			Estimate of Rs 5800 was Sanctd in G.O. No 992 W dd 16-4-86. Item No 61 Class C Works budget of 1889-90.
	Do	Do		Quarters for an Ambulance Sergeant in a Cattle line, Transport Department.		.	.	.	3,000			Estimate is awaited Item No 62 Class C Works budget of 1889-90.
	Do	Fort St George		New iron record shelves for the office of the Examiner Commissariat Accounts.	7790	.		.	7790			78 Estimate of Rs 7790 was Sanctd in G.O. No 2636 W dd 21-9-85

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Appendix

B (contd)

List of works (or Class C works) omitted from the Budget Estimate of 1890-91 but on which expenditure may be incurred during the year by reappropriation from Class B works. contd

Head of Classifn	Executive Div.	Locality	Item No	Projects and works	Amt of Estimate	Outlay: Actual to end of 1888-89	Outlay: Probable during 1889-90	Amount applied for 1890-91: Works in progress	Amount applied for 1890-91: Works not commenced	Total	Item No	Remarks and References
	Presidency	Madras		Workshops and sheds for carts and cattle, Transport Department.		.	.	.	20,000			Estimate is awaited. Item No 56 Class C Works budget of 1889-90.
	Do	Do		Quarters for two Staff Sergeants at Pudupet.		.	.	.	3500			Estimate is awaited. Item No 58 Class C Works budget of 1889-90.
X	Do	Do		Quarters for a Conductor, Commissariat Dept.		.	.	.	4000			Estimate is awaited. Item No 59 Class C Works budget of 1889-90.
	Do	Do		Constg a wheat godown at Teynampett.		.	.	.	5,950			Estimate is awaited. Item No 60 Class C Works budget of 1889-90
	Do	Do		Constg sheds for mules at the Transport lines, Pudupet.								Estimate is awaited
General Cantonment Works.	Chingleput	St Thomas' Mount		General improvements to the drains of the Cantonment.		.	.	.	10,000			Estimate is awaited Item No 70 Class C Works, budget of 1889-90.
	Presidency	Bangalore		Drainage of Royal Horse Artillery, Grass Cutters' lines at Ulsoor, & preventing the fouling of the adjacent nullah.	2846		.	.	2846			Estimate of Rs 2846 was sanctd in G.O. No 261 d/d 1.5.88. Item No 66 Class C Works Budget of 1889-90.

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Appendix B — contd.

List of works (or Class C Works) omitted from the Budget Estimate of 1890-91 but on which appropriation may be incurred by expense during the year by reappropriation from Class B works. contd —

Head of Classn.	Executive Dn.	Locality	Item No.	Projects and works	Amount of Estimate	Outlay Actual to end of 1888-89	Outlay Probable during 1889-90	Amount applied for 1890-91 Works in progress	Amount applied for 1890-91 Works not commenced	Total	Item No.	Remarks and References
	Pending. Bangalore			Drainage, British Infantry Barracks.	8,112				8,112			Estimate of Rs 8,112 was Sanctd in G.O. No. 2615 W d/ 24-8-88 Item No. 67 Class C Works budget of 1889-90.
	Do	Do		Constructing box-drain east and west of parade barracks.					4184			Estimate is awaited.
	Do	Fort St George		Remodelling the drainage					10,000			Estimate is awaited. Item No. 68. Class C Works budget of 1889-90.
	Do	Madras		Flushing drains of Native Infantry lines at Royapuram.	4,300				4,300			Estimate of Rs 4,300 was sanctioned in G.O. No. 1397 W d/ 4-6-84. Item No. 69 Class C Works budget of 1889-90.
Fortifications	West Coast	Malappuram		Constructing a fortified post.	8,248				8,248			Estimate of Rs 8,248 was Sanctd in G.O. No. 3114 W d/ 18-11-87 Item No. 71, Class C Works budget of 1889-90.

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Appendix B — contd.

List of works (or Class C Works) omitted from the Budget Estimate of 1890-91 but on which expenditure may be incurred during the year by reappropriation from Class B works. — contd —

Head of Classn	Executive Dn	Locality	Item No	Projects and works	Amt of Estimate	Outlay: Actual to end of 1888-89	Outlay: Probable during 1889-90	Amount applied for 1890-91: Works in progress	Amount applied for 1890-91: Works not commenced	Amount applied for 1890-91: Total	Item No	Remarks and References
	North Arcot	Vellore		Draw bridge and gate for the Fort.	6,500				6,500			Estimate of Rs 6,500 was sanctd in G.O. No 1963 W. dd 20-7-89. Item No 72, Class C Works, budget of 1889-90.
	Presidency	Fort St. George		Demolition of Wallajah ravelin and two lunettes.					7,426			Estimate is awaited. Item No 73 Class C Works budget of 1889-90
	Do	Do		Constructing a draw-bridge at the North gate.	4,487				4,487			Estimate of Rs 4,487 was sanctd in G.O. No 2447 W. dd 13-8-88 Item No 74, Class C Works, budget of 1889-90.
	Do	Do		Demolition of out-houses, clearance of ditch, and completion of walls.					10,000			Estimate is awaited. Item No 75 Class C Works budget of 1889-90.
Staff and Miscellaneous	Nilgiri	Ootacamund		Constructing a latrine for the boys at the Lawrence Asylum.	3,000				3,000			Estimate of Rs 3,000 was sanctd in G.O. No. 2139 W. dd 14-7-88. Item No 64, Class C Works, budget of 1889-90.

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Appendix

List of works (or Class works) omitted from the Budget Estimates of 1890-91, but on which expenditure may be incurred during the year by reappropriation from Cl-

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B (continued)

B works (cont'd)

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Head of Classification	Executive Division	Locality	Item No.	Projects and Works	Am of Estin

Outlay		Amount applied for 1890-91			Item No	Remarks and References
Actual Cost of 1888-89	Probable during 1889-90	Works in progress	Works not Commenced	Total		

Government of Madras
Part II (continued)

6/2

Detail of the Budget - Estimate of Repairs under Imperial Military Works in Madras for the year 1890-91.

Head of Classification	Executive Division	Locality	Items	Estimate 1890-91 Amount	Estimate 1890-91 Total	Estimate 1889-90 Amt	Estimate 1889-90 Total
			Civil buildings				
	Ganjam		Annual repairs	1500			
	Vizagapatam		Do	9,100			
	Godavari Eastern		Do	800			
	Bellary		Do	35,000			
	Cuddapah		Do	780			
	Kurnool		Do	360			
	Nilgiri		Do	30,000			
	Coimbatore		Do	6,000			
	West Coast		Do	22,000			
	Presidency		Do	155,000			
	Chingleput		Do	30,000			
	S. Arcot		Do	180			
	N. Arcot		Do	2500			
	Trichinopoly		Do	5,000			
	Tanjore		Do	800			
	Madura		Do	420			
	Tinnevelly		Do	560			
			Total Civil Buildings		300,000		

Imperial Military Works Madras

Sheet ~~Page~~ 33

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3583-84

Imperial

Statement showing approximate Expenditure under Budget Heads for 1889-90

34

Imperial

Statement Showing the Approximate expenditure under the Budget Heads during 1889-90 to accompany the Budget for 1890-91

3583-84

Military
Original Works.

Item No	Name of Work	Amount of Estimate	Expenditure to end of 1888-89	Approximate outlay in 1889-90	Remarks.
	Major.				
1	Constructing Quarters for 3 Apothecaries at Wellington.	16000	14566	1100	Work Completed. 3583-84
	Do -- Do - Minor.				
2	Erecting a screen in the back Verandah to prevent communication between the barrack room and the Coffee shop Supper room in upper storey of No. 1 block of Barracks at Wellington	57	"	50	Do No funds.
3	Extending Temporary Cook house near family Quarters, Wellington	104		92	Do Do
4	Improving a native latrine between racket court and church Hill to fit it for use of British Troops at Wellington	135	-	127	Do Do
5	Alterations to Depot Sergeants mess at Wellington	71		71	Do Do
6	Improving a drain near Officers mess Royal Fusiliers at Wellington	360	61	85	Work stopped - No funds.
7	Laying 2" pipes from the Drinking water cistern to the Station Hospital at Wellington	2226	1226	23	Completed - No funds.
8	Constructing a porch and opening 2 doors in the Officers mess at Wellington	418	-		
9	Levelling the Rifle Range at Wellington	1050			
			15,853	1548	

Imperial

Statement showing the approximate expenditure under the Budget Heads during 1889-90 to accompany the Budget for 1890-91

3583-84

Item No	Name of Work	Amount of Estimate	Expenditure to end of 1888-89	Approximate outlay in 1889-90	Remarks
10	Alterations to Officers Mess Buildings at Wellington	235		1548	(Items 8 to 18, 21, 24, 26 & 27) No funds; hence works not carried out.
11	Improvements to Commissariat Conductors' Quarters at Wellington	92			
12	Constructing a stable for Quarters of the Warrant Officer of the Commissariat Depot at Wellington	340	-		3583-84
13	Providing a lightning conductor to the Barrack Sergeants Quarters at Wellington	370	-		
14	Constructing a wooden railing to the Barrack Sergeants Quarters at Wellington	310	-		
15	Additions and alterations to Purveyors stores at Wellington	1606	-		
16	Constructing a Shed for Dhooly bearers & Dhobie at Wellington	885	-		
17	Constructing a shed for the Chowkidar in the Bakery at Wellington	310	-		
18	Fixing down fall pipes to Nos 1 & 2 Barracks occupied by the Depot at Wellington	375			
19	Constructing a kitchen for use of the Royal Fusiliers Coffee shop at Wellington	286		270	Work Completed in funds allotted by the General Officer Commanding Southern District.
20	Closing up the archways of the Ration Shed at Wellington	80		56	Work Completed - No funds.
21	Fixing boundary stones for the Wellington Cantonment	940	-		
22	Constructing a temporary kitchen in rear of the late Depot Sergeants Mess, Wellington	200		195	Do. Do.
23	Erecting a flag staff at the Rifle Range at Wellington	14		13	Do. Do.
				2082	

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Imperial

Statement Showing the Approximate expenditure under the Budget Heads during 1889-90 to accompany the Budget for 1890-91

3583-84

Item No	Name of Work	Amount of Estimate	Expenditure to end of 1888-89	Approximate outlay in 1889-90	Remarks.
24	Constructing a Corrugated iron shed over the Mill Race Cistern of the Govt. Bakery, Wellington	100	-	2,082 -	
25	Constructing a temporary Kitchen for troops encamped on race Course Hill. Wellington	270	.	252	Work Completed no funds.
26	Fitting Screens in the walls of Stair Cases to Pay Sergeants Quarters in No. 1 & 2 Blocks at Wellington	112	.	.	
27	Constructing masonry steps at west end of No 5 Block at Wellington	180	-	.	
28	Fixing shelves & arm racks in Depot Quarter masters Stores & old Canteen at Wellington	405		405	In progress. Funds have been promised by the General Officer Commanding the District.
29	Constructing a temporary latrine for troops encamped on Race Course Hill at Wellington.	484		399	Work Completed. No funds.
				3,138	
	Imperial Repairs Military	29,350	29,406	25,000	The Expenditure under this head to end of September 1889 is Rs 10385 and the total of Estimates Sanctioned up to end of July 1889 Rs 23000, So that Rs 5000 will be surrendered ^from the current year's grant of Rs 30,050 in the Statement for October after reserving Rs 2000 for unforeseen works to end of the Current official year.

(Items 2 to 7, 20, 22, 23, 25 & 29). These works were Carried out on being reported as urgent by the Military authorities at Wellington; but as regards funds, the District staff Officer has reported that he could not supply them as out of Rs 3,000 placed at the disposal of the General Officer, Rs 1151 have to be allotted to this Division ^for other works than these and that the balance is required for other Divisions. So funds for these works will be applied for in the statement for October 1889

Camp Pookote
14th Sept 1889

K. Ragavendra Row
accountant.

14 SEP 89

R. M. Thompson
Camp Pookote Col. RE
Executive Engineer
Nilgiri Division

SUPDG. ENGINEER'S OFFICE
No. [illegible]
17 SEP. 89
P. W. D.
FOURTH CIRCLE

Imperial
Military Works.

Revenue.

Budget estimate for Imperial Services Public Works Revenue in the First circle for 1890-91.

	Budget Estimate 1890-91.	Budget Estimate 1889-90	Revised Estimate 1889-90.	3583-84
Realized in the Public Works Department.	×800	"	"	×Rents of Military Buildings.

414 A 19 5

Detail of the Budget Estimate for [illegible] works for the year 1890-91.

Head of Classification	Executive Division	Locality	Item No.	Projects & Works	Amount of Estimate	Outlay		Grant for 1890-91			Item No.	Remarks & references.
						Actual to end of 1888-89	Probable during 1889-90	Works in progress	Works not commenced	Total		
				Imperial Ordinary Military. Original works. Major Works.								
(1) Accommodation for Native troops - Buildings for native troops.	Vizagapatam.	Vizianagaram.	1	Regimental Store room for Native Infantry including storage for camp equipage.	3480	"	"	"	3480.		1	G.O. No. 2628 W. d/ 27-10-84.
				Minor Works.								
Commissariat Buildings.	Ganjam.	Berhampore	2	Constg a store room & Commissariat office in the Compound of the military hospital.	2290.	"	"	"	2290.		2	G.O. No. 3167 H d/ 22-11-87.
Accommodation for Native troops -	do	do	3	Constg a ne[illegible] for public use near [illegible]racks –	920.	"	"	"	920.		3.	Sanctioned by S.E. I No 270 G.R. d/ 23-6-88.
	Vizagapatam	Vizianagaram	4	Regimental Magazine for Native Infantry.	1530.	"	.	.	1530		4.	G.O. No. 278 W. d/ 5/2/85
									8220.			

Head of Classification	Executive Division	Locality	Item No.	Project & Works	Amount of Estimate	Outlay: Actual to end of 1888-89	Outlay: Probable during 1889-90	Grant 1890-91: Works in progress	Grant 1890-91: Works not Commenced	Total	Item No.	Remarks and references 3583-84
				(Contd) Do					8220			
1 Accommodation for Native troops	Vizagapatam	Vizianagaram	5	Minor Works Improvements to the Regimental Hospital Native Infantry—	545	"	"	"	545		5	G.O. No. 1746. W. d/ 16th July 1884.
	Do	Do	6.	Additions to the Regimental Hospital Native Infantry—	515	"	"	"	515		6	G.O. No. 179. W. d/ 21st January/84.
Cantonment Works	Do	Do	7	Sinking well [illegible] ry. new drains to fresh existing drains of Native Infantry lin	1300	"	"	"	1,300	10,580	7	Sanctioned by S.E. No. 248 V.Z. d/ 3rd Sep/89.
				Total Original Works						10,580		

3583-84

Imperial Military. Budget estimate.

Statement showing the amounts of the Estimated requirements in lump sums to be provided in the Imperial Budget estimate for 1890-91.

Divisions.	Minor Works.				Repairs.				Tools & Plant	Remarks.
	Military	Civil buildings	Communications	Mis: Public Depts.	Military	Civil Buildings	Communications	Mis: Public Depts.		
Ganjam.	„	„	„	„	1500	„	„	„	„	
Vizagapatam	210.	„	„	„	⊗ 9970	„	„	„	„	
Godavari Eastern.	„	„	„	„	800	„	„	„	„	For repairs to Military buildings and regimental lines Samalcotta and for payment of Compensation for quarters of Sergeant Instructor H Barnes.
Godavari Western.	„	„	„	„	„	„	„	„	„	
Total	210.	„	„	„	12270	„	„	„	„	

⊗ The amount is required for the following works.

(1) Repairs to Military Hospital of Madras Native Infantry at Vizianagaram	6220
(2) Annual repairs to Military buildings	1500
(3) Annual repairs to Cantonment roads	250
(4) Spl repairs to Road ways & drains of N. Infantry lines	485
(5) Compensation in lieu of quarters for warrant & medical officers in Military or civil employ	215
(6) Rents for quarters hired for Medical Subordinates in Military or Civil employ	1300
	9970

D. W. Campbell Major R.E.
Superintending Engineer
1st Circle

5th October 1889

7K

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Imperial Budget
Estimate of Military
Works of the First
Circle for the year
1890-91.

From, P.W. No. 9857

The Suptg. Engineer,
2nd Circle.

To, 3583/84

The Chief Engineer,
Public Works Deptt.,
Madras.

Dated 15th October 1889.

Recd 19/10/89

Budget Estimate
for Imperial Military
Works for 1890-91.

Nil

G Hannum
Suptg. Engineer,
II Circle.

B/48

Imperial
Military Works.

Fourth Circle.

3583-84

Public Works Department.

Imperial Budget Estimate
of
Military Works.
of the
Fourth Circle
for the Year
1890-91

Coimbatore
9th October 1889

Colonel R.E.,
Superintending Engineer, IV Circle

EN

S.D.S.

Imperial
Military works.

3583-84

Revenue.

Abstract of the Budget Estimate of Revenue of the Public Works Department from Military works in the fourth Circle from 1st April 1890 to 31st March 1891

	Actuals 1888-89	Budget Estimate 1889-90	Revised Estimate 1889-90	Budget Estimate 1890-91
In Public works Department	103	"	"	"
In Civil and Military Departments	1,200	1,200	1,200	1,200.

Charges.

Abstract of the Budget Estimate of expenditure of the Public works Department Military works in the Fourth Circle from 1st April 1890 to 31st March 1891.

		Reference to detailed Estimate.	Actuals 1888-89.	Budget Estimate 1889-90	Revised Estimate 1889-90	Budget Estimate 1890-91
Original works	In progress Not Commenced	"	45,032	72,313	72,313.	239,038.
Repairs	Ordinary Special	"	54,214.	51,350	51,350	63,000.
Establishment		"	"	"	"	"
Tools and Plant		"	"	"	"	"
Suspense Account		"	"	"	"	"
Total			99,246	1,23,663.	1,23,663	3,02,038.

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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.

3583-84

	Actuals 1888-89	Budget Estimate 1889-90	Revised Estimate 1889-90	Budget Estimate 1890-91								
				Original Works								
				In progress	Not Commenced	Total.	Repairs	Establishment	Tools and Plant	Suspense account	Barrack Department	Total.
Provision from Imperial Funds.												
In India	45,032	72,313	72,313	"	2,39,038	2,39,038	63,000	"	"	"	-	3,02,038
" England	"	"	"	"	"	"	"	"	"	"	"	
Total.	45,032	72,313	72,313	"	2,39,038	2,39,038	63,000	"	"	"	-	3,02,038.
Provision from Contributions												
In India	"	"	"	"	"	"	"	"	"	"	"	"
Grand Total.	45,032	72,313	72,313.	-	2,39,038	2,39,038	63,000	-	"	"	"	3,02,038.

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

	Actuals 1888-89.	Budget Estimate 1889-90	Revised Estimate 1889-90	Budget Estimate 1890-91.					
				original works.					
				In progress	Not Commenced	Total	Tools & Plant	Suspense account.	Total.
			Nil-						

Imperial
Military works.

Part. I.
Fourth Circle

3583-84

Detail of the Budget Estimate for Original Works for the year 1890-91.

Head of Classification	Executive Division	Locality	Item No	Projects and works.	Amount of Estimate.	Outlay: Actual to end of 1888-89.	Outlay: Probable during 1889-90	Grant 1890-91: Works in progress	Grant 1890-91: Works not Commenced	Grant 1890-91: Total.	Item No	References & Remarks.
				Imperial Ordinary Military. Original works.								
(1) Accommodation for troops. Buildings for European troops Permanent.	Nilgiri	Ootacamund	1.	Converting the Sapper Hospital building on stone house hill into quarters for two Serjeant Instructors Nilgiri Volunteer Rifles.	3,600.	"	–	"	3,600 ✓	–	1	G.O. No 1068 W. dated 9th April 1888. Item No 13 of Class B works. Budget of 1889-90.
	– Do –	Wellington	2.	Constructing the drinking water well with the Barracks and Lady Nurses quarters	4,715	"	–	–	4,715 ✓	,	2.	G.O. No 1198 W. dated 6th May 1889.
	– Do –	– Do –	3.	Converting the racket Court into a covered gymnasium	11,244	"	–	"	11,244 ✓		3.	G.O. No 1893 W. dated 15th July 1889. Item No 9 of Class B works Budget of 1889-90.
				Carried over					19,559			

Imperial
Military works.

Part I (Contd)
Fourth Circle.

3583-84

Detail of the Budget Estimate for Original works for the year 1890-91.

Heads of Classification	Executive Division	Locality	Item No	Projects and Works	Amount of Estimate	Outlay		Grant 1890-91			Item No	References & Remarks
						Actual to end of 1888-89	Probable during 1889-90	Works in progress	Works not commenced	Total		
				Brought over					19,559			
(1) Accommodation for troops (Continued) Buildings for European troops Permanent (Continued)	Nilgiri	Wellington	4.	Quarters for three Hospital Purveyors	4,750.	„	„	„	4,750		4	G.O. No 615 W. dated 21st February 1888. Item No 10. Class B Works Budget of 1889-90
										24,309.		
Buildings for Native troops.	West Coast.	Quilon.	5.	Armourer's shop	2,489.	„	„	„	2,489.		5.	G.O. No 3772 W. dated 29th November 1888. Item No 42 Class B Works Budget of 1889-90.
	Nilgiri	Wellington	6.	Quarters for 32 men Army Hospital, Native Corps.	–	„	„	„	11,170		6.	Estimate sent to the Quarter Master General by the Ex: Engineer for Countersignature on 21st August 1889. Item No 41. Class B Works. Budget of 1889
	West Coast.	Cannanore	7.	Constructing Quarters for eleven men of Army Hospital Native Corps.	2,980	„	„	„	2,980		7	Estimate submitted to the Chief Engineer duly countersigned with No 412 8W of 13th September 1889. Item No 43 of Class B Works Budget of 1889-90.
										16,639		
Buildings for European troops Permanent	Nilgiri	Cantonment Wellington	8.	Constructing quarters for a Sub Conductor attached to Army Head Quarters.	–	„	„	„	6,195		8.	Estimate under preparation. Item No 12. Class B Works. Budget of 1889-90.
				Carried over					6,195	40,948		

Imperial
Military works

Part. I (Contd)
Fourth Circle.

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Detail of the Budget Estimate for Original Works for the year 1890-91

Head of Classification	Executive Division	Locality	Item No.	Projects and works	Amount of Estimate	Outlay		Grant 1890-91			Item No.	References & Remarks.
						Actual to end of 1888-89.	Probable during 1889-90	Works in progress	Works not commenced	Total.		
				Brought over					6,195	40,948		
Buildings for European Troops Permanent (Continued)	Nilgiri	Wellington	9.	Quarter Masters stores and Office for British Infantry Regiment	"	"	"	"	✓ 25,000		9	Estimate under preparation. Item No. 7 Class B Works - Budget of 1889-90.
	— Do. —	— Do. —	10.	Constructing Hut Barracks for 500 men	"	"	"	"	✓ 1,00,000		10.	Estimate amounting to Rs. 2,78,010 Submitted to the Dist. Staff Officer Southern District for transmission to Government for sanction with No. $\frac{210}{m}$ of 26th July 1889 - Item No. 11 of Class B Works - Budget of 1889-90.
	— Do. —	— Do. —	11.	A ward to accommodate 35 men Station Hospital	"	"	"	"	✓ 20,000	1,51,195	11	Estimate under preparation Item No. 8. Class B Works - Budget of 1889-90
3 Commissariat Buildings.	West Coast	Malapuram	12	Sheds for 12 Bullocks and 10 mules	2,824	"	"	"	✓ 2,824		12.	G.O. No. 1245 W. dated 27th April 1888. Item No. 52. Class B Works - Budget of 1889-90.
				Carried over					2,824	1,92,143		

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Imperial Military Works.

358-89

Part I (Contd.)

Fourth Circle.

Detail of the Budget Estimate for Original Works for the year 1890-91

Head of Classification.	Executive Division	Locality	Item No.	Projects and Works.	Amount of Estimate	Outlay. Actual to end of 1888-89	Outlay. Probable during 1889-90	Grant 1890-91. Works in progress	Grant 1890-91. Works not Commenced	Grant 1890-91. Total	Item No.	References & Remarks.
				Brought over					2,824	1,92,143.		
3 Commissariat Buildings (Continued)	Nilgiri	Wellington	13.	Quarters for Military Engineer Commissariat Department.	〃	〃	〃	〃	7,500		13.	Estimate under preparation.
										10,324		
(8) Fortifications	West Coast	Malapuram.	14	Constructing a fortified post.	8,248.	〃	〃	〃	5,000		14	G.O. No. 3114 W. dated 18th November 1887. Item No. 71. Class B. Works. Budget of 1889-90.
										5,000		
(1) Buildings for Native Troops.	Do.	Calicut	15.	Additions and Improvements to the Wash house of the Detachment of British Infantry at the West Hill.	780.	〃	〃	〃	780.		15	G.O. No. 1849 W of 21st June 1888.
	Do.	Malapuram	16	Converting the Beer Godown into a Gymnasium Shed	790	〃	〃	〃	790		16.	G.O. No. 348 W. dated 13th February 1885.
				Carried over					1,570.	2,07,467		

Imperial Military works.

Part I (Contd)

Fourth Circle

Detail of the Budget Estimate for Original works for the year 1890-91.

Head of classification.	Executive Division	Locality	Item No	Projects and Works.	Amount of Estimate	Outlay. Actual to end of 1888-89	Outlay. Probable during 1889-90.	Grant 1890-91. Works in progress.	Grant 1890-91. Works not commenced	Grant 1890-91. Total	Item No	References & Remarks.
				Brought over					1,570	2,07,467.		
(1) Buildings for Native Troops. (Continued)	West Coast	Malapuram	17.	Constructing a plat form and pump for a well at the Barracks.	1,110	–	–	–	1,110		17.	G.O. No 1034 W. dated 2nd May 1885.
	— Do —	Calicut.	18.	Constructing two Servants rooms and Stables for the quarters occupied by the Assistant Apothecary Station Hospital. West Hill Barracks.	606	–	–	–	606		18	G.O. No 3,305 W. dated 3rd December 1887.
	— Do —	Quilon	19.	Constructing two Solitary Cells for the Madras Infantry Regiment.	1,245	–	–	–	1,245		19.	G.O. No 1861 W. dated 12th July 1887.
	— Do —	Calicut	20	Constructing Quarters for eight men of Army Hospital	1,900	–	–	–	1,900.		20	Estimates sent to District Staff Officer by the Executive Engineer on the 2nd August 1889 with No 769.
	— Do —	Malapuram	21.	— Do — Do — for Seven — Do —	1,670.	–	–	–	1,670	–	21.	
				Carried over					8101	2,07,467.		

Imperial Military works.

3583-84

Part I (Contd.)

Fourth Circle.

Detail of Budget Estimate for Original Works for the year 1890-91.

Head of Classification	Executive Division	Locality	Item No.	Projects and works.	Amount of Estimate	Outlay Actual to end of 1888-89	Probable during 1889-90.	Grant 1890-91 Works in progress	Works not Commenced	Total	Item No.	References & Remarks
				Brought over					8,101	2,07,467.		
(1) Buildings for Native Troops. (Continued)	West Coast.	Cannanore	22	Converting the present workshop and recreation blocks into refreshment and recreation room of the Regimental Institute for the Detachment of Her Majesty's troops	400.	„	„	„	400.		22	Register No. 73 of 1888-89.
	— Do. —	Mangalore	23.	Substituting Asphalte for Chunam in the flooring of the wards and Surgery of the Hospital attached to Native Infantry Regiments	695	„	„	„	695		23	G.O. No. 1647 W. dated 1st July 1884
	— Do. —	— Do. —	24	Flooring with tar Composite the Native Infantry place of Arms	653.	„	„	„	653.		24	G.O. No. 285 W. dated 6th February 1885
	— Do. —	— Do. —	25	Petty Improvements to the Regimental Lines	671	„	„	„	671		25	G.O. No. 1973 W. dated 23rd July 1887
										10,520		
				Carried over						2,17,987		

Imperial
Military works.

3583-84

Part I (Cont^d)

Fourth Circle

Detail of the Budget Estimate for Original Works for the year 1890-91

Head of Classification	Executive division	Locality	Item No.	Projects and works	Amount of Estimate	Outlay		Grant 1890-91			Item No.	References & Remarks
						Actual to end of 1888-89	Probable during 1889-90	Works in progress	Works not Commenced	Total		
				Brought over						217,987		
(1) Buildings for European Troops.	West Coast.	Mangalore	26.	Providing a Soldiers Institute to European Infantry detachment.	880.	–	–	–	880.		26.	Estimate sent to the Dy. Asst. Dr. Mr. Genl. Southern Dist. with this Office No. 101/M. of 29th March 1888 for sanction & provision of funds.
— Do. —		Calicut	27.	Converting the present Coffee shop into Soldiers Institute	754	–	–	–	754		27.	Estimate sent to Do. Do. for sanction & provision of funds with this Office No. 163/M. of 2nd April 1888.
(1) Accommodation for troops.	Nilgiri	Wellington.	28.	Alterations to Officers' mess building	235.	–	–	–	235.		28	Register No. 25 of 1887-88.
— Do. —	— Do. —		29.	Constructing Masonry steps at West end of No. 5 block	180.	–	–	–	180		29.	Register No. 31 of 1889-90
				Carried over					2049	217,987.		

Imperial Military works.

Part I (Contd)

Fourth Circle

3583-87

Detail of the Budget Estimate for Original Works for the year 1890-91

Head of Classification	Executive Division	Locality	Item No.	Projects and Works.	Amount of Estimate	Outlay Actual to end of 1888-89	Outlay Probable during 1889-90	Grant 1890-91 Works in progress	Grant 1890-91 Works not Commenced	Grant 1890-91 Total	Item No.	References & Remarks
				Brought forward					2049	217,987		
(1) Accommodation for Troops.	Nilgiri	Wellington	30	Closing the open verandah of the Commissariat Conductors quarters.	225	„	„	„	225		30	Register No. 38 of 1889-90
Do.	Do.	Do.	31.	Constructing a stable for the quarters of the Warrant Officers of the Commissariat Depot.	340.	„	–	„	340		31.	Register No. 47 of 1887-88.
Do.	Do.	Do.	32	Providing a lightning Conductor to the Barrack Serjeants Quarters.	370	„	–	–	370		32	Register No. 14 of 1888-89.
Do.	Do.	Do.	33.	Constructing a wooden railing to Barrack Serjeants quarters.	310	„	„	–	310		33.	Register No. 9 of 1888-89.
				Carried over					3294.	217,987		

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Imperial
Military works.

3583-84

Part. I. (Contd) Fourth Circle.

Detail of the Budget Estimate for Original Works for the year 1890-91.

Head of classification.	Executive Division	Locality	Item No.	Projects and Works.	Amount of Estimate	Outlay Actual to end of 1888-89	Outlay Probable during 1889-90	Grant 1890-91 Works in progress	Grant 1890-91 Works not Commenced	Total	Item No.	References & Remarks.
				Brought over					3,294	2,17,987		
(1) Accommodation for Troops (Continued)	Nilgiri	Wellington	34.	Fixing down fall pipes to Nos 1 & 2 Barracks occupied by the Depot.	375	"	"	"	375		34	Register No 53 of 1888-89.
	Coimbatore	Podanur	35	Constructing Compound wall to the West & North sides of the Rest Camp	493	"	"	"	493		35	Register No 16 of 1888-89
	Do	Matthigiri	36	Constructing a barbeque required for cleaning grain in the Remount Depôt	215	"	"	"	215		36.	Register No 49 of 1888-89
										4,377		
(3) Commissariat Buildings	West Coast.	Mangalore	37	Constructing a permanent verandah for Quarter Masters' Stores, Native Infantry Regiment.	630				630.		37	G.O. No 1648 W. dated 1st July 1884.
				Carried over					630.	2,22,364		

Imperial Military works.

Part I (Contd.) Fourth Circle.

Detail of Budget Estimate for Original Works for the year 1890-91.

Head of Classification	Executive Division	Locality	Item No.	Projects and Works	Amount of Estimate	Outlay		Grant 1890-91			Item No.	References & Remarks.
						Actual to end of 1888-89	Probable during 1889-90.	Works in progress	Works Not Commenced	Total		
				Brought over					8,245	2,22,364.		
(3) Commissariat Buildings (Continued)	Nilgiri	Wellington	43.	Constructing a shed for dhooly bearers and dhoolies	885	〃	〃	〃	885		43	G.O. No. 1700 W. dated 8th June 188
	Do.	Do.	44.	Constructing a shed for the Chowkidar in the Bakery	310.	〃	〃	〃	310		44.	Register No. 48 of 1888-89.
										9,440.		
(6) Lines of Military Communication	West Coast	Mangalore	45	Gravelling the main streets in the Regimental Lines.	594	〃	〃	〃	594		45	Register No. 47 of 1889-90
										594.		
(7) General Cantonment Works.	Nilgiri	Wellington	46.	Levelling the Rifle Range	1,050	〃	〃	〃	1,050		46.	G.O. No. 2492 W. dated 21st Septr. 1887.
				Carried over					1,050	2,32,398		

Imperial Military Works.

Part I (Contd) Fourth Circle.

Detail of the Budget Estimate for Original Works for the year 1890-91

Head of Classification	Executive Division	Locality	Item No.	Projects and Works	Amount of Estimate	Outlay		Grant 1890-91.			Item No.	References and Remarks.
						Actual to end of 1888-89	Probable during 1889-90	Works in progress	Works not Commenced	Total		
				Brought over					1,050	232,398.		
(7) General Cantonment works (Continued)	Nilgiri	Wellington	47.	Fixing boundary stones for the Cantonement	940				940		47.	Register No 17 of 1889-90
										1,990		
(5) Stud.	Coimbatore	Podanur	48.	Constructing a Sick Cart shed to the Rest Camp	450.				450		48.	Register No 3 of 1889-90.
										450.		
				Total						234,838.		

Imperial Services.

Public Works Budget Estimate.

3583-84

Part II

Fourth Circle.

Detail of the Budget Estimate of Minor Original Works under Imperial Services in the Fourth Circle for the year 1890-91.

Head of Classification	Executive Division	Locality	Items	Estimate 1890-91.		Estimate 1889-90	
				Amount	Total	Amount	Total
			Military				
	Nilgiri	"	Minor works	3,000		"	
	Coimbatore	"	Do	200		"	
	West Coast	"	Do	1,000		"	
			Total Military		4,200.		"

3583-84

Detail of the Budget Estimate of Repairs of Public Works under Imperial Services in the Fourth Circle for the year 1890-91.

Head of Classification	Executive Division	Locality	Items	Estimate 1890-91 Amount	Estimate 1890-91 Total	Estimate 1889-90 Amount	Estimate 1889-90 Total
			Military.				
	Nilgiri	"	Annual Repairs	⊕ 35,000		30,050	
	Coimbatore	"	Do.	6,000		6,000	
	West Coast	"	Do.	22,000		22,000	
			Total Military		63,000		58,050.

⊕

Repairs to Buildings and Roads, Compensation for quarters and rent for hired buildings at Wellington	30,000.
Repairs to Lawrence Asylum Buildings at Ootacamund	3,000
Rent of hired buildings for Medical and Military Subordinates at Ootacamund	2,000
⊕	35,000.

orth Arcot	Vellore Fort Providing accommodation for two Companies of Native Infantry	3825	"	3490	3825	Additional funds of Rs. 335 applied in the statement of savings and demands.
Presidency	Converting Racquet Court into Covered Gymnasium in Fort Saint George	11962	11959	"	694	For adjusting Excess outlay
	Minor new works					
Presidency	Lump Sum			18858	18858	⊗ The additional grant of Rs 6335 will be spent if funds applied for to the General officer Commanding Eastern District are appropriated.
Chingleput	Do.			243	6578	⊗
North Arcot	Do.			532	3222	Rs. 2690 have been applied for in the statement of Demands as per G.O. No. 2409 W of 30 August 1889 for Bastion cells & Regimental Hospital Contagious disease sheds.
	Repairs.					
Presidency	Do			148740	158740	
Chingleputt	Do			3000	3000	
North Arcot	Do			3260	3560	Rs. 300 applied in the statement of demands.

5th Circle

Imperial.

Statement shewing probable expenditure on works during 1889-90.

Division	Name of works	Amount of Estimate	Expenditure to end of 1888-89	Current years grant 1889-90	Probable expenditure 1889-90	Remarks.
	* Imperial Military Major Original works.					
Presidency	Fort Saint George Converting the old adjutant General's office into Barracks for Singleman	25097	19066	5400	5400	
	Do Converting main guard & No 6 Captains quarters into Barracks for single-man.	5785	"	5785	5785	
	Madras Camp Equipage Constructing shed –	6935	"	6935	6935	
	Do Gun Carriage Factory New workshops	"	"	19483	"	Estimates have been sent to Inspector General of ordnance for the Government of Madras.
	Do Veyaspady alterations to Rifle ranges	6076	"	6076		As the military authorities required [illegible] work the grant on 2d Estimate of Rs. 8525 has not yet been sanctioned.
	Bangalore additions to Public buildings of N. I for a Regiment of Pioneers	30266	24167	5000	6099	Rs 1099 applied in the statement of Demands.
	Do Public Buildings Native Cavalry Regiment –	30990	"	20,000		
	Deduct amount surrendered			6586	"	Executive Engineer is making new estimate for this work.
				13415		
	Madras Gb. Factory Improving Water supply –			5120	3000	
	Do Ordnance Lines Renewing roof of Quarters	57,598		12350	14,500.	2120 proposed to be transferred to item next below.
Presidency/Div	Bangalore 1st Pioneer Lines Provision of wells and drains	2687	"	2687	2687	
	Do Pioneer Lines completing the drainage –	6450	"	6450	6450	
Chingleput	Poonamallee new Barracks	166885	26624	30,000	30,000	

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3583-84

180 180

19 October 1889.

Colonel R.E.
Superintending Engineer V Circle

To, The Chief Engineer
P.W. Department

P.W. Acc. 9961

From
The Supdg Engineer
5th Circle

To
The Chief Engineer
P.W. Deptt.

Dated 21st }
Recd. 22nd } October 1889.

No. 4780.
Imperial Military
Statement showing proba-
-ble Expenditure on works
during 1889-90.

B

P.W. Acc. 9873

From
The Superintending Engineer
V circle

To,
The Chief Engineer
P.W. Department.

Dated 18 October 1889.
Recd 19.10.89

No. 4643

Imperial Military
Budget Estimate.
for 1890-91.

Secretary to Government
19 Oct 89
P.W. Department, Madras.

B

5 Circle No 4643

Details of Budget Estimate of Original works for [illegible] 91

3583-84 / 65

Head of Classification	Executive Division	Locality	Item No	Projects works	amount of Estimate	Outlay		Grant for 1890-91			Remarks & References.
						actuals end of 1888-89	Probable during 1889-90	works in progress	work not commenced	Total	

(21)

3583-84 / 65

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65

5 Wile No. 4643

3583-84 / 65

Details of Budget Estimate of Original works for 90-91

Head of classification	Executive Division	Locality	Item No.	Projects works	amount of Estimate	Outlay actuals to end of 1888-89	Outlay Probable during 1889-90	Grant for 1890-91 works in progress	Grant for 1890-91 work not commenced	Grant for 1890-91 Total	Remarks & References.
Accommodation for troops	Presidency	Bangalore	1	North Station Hospital Quarters for the senior Apothecary	5300	"	"	.	5300	5300	G.O. No. 3385 W of 27th Novr. 1883
			2	Do Do Do for an Assistant Apothecary	4773				4773	4773	G.O. No. 938 W of 5th April 1884
			3	Battery office R.H.A. Constructing a building for —	5680				5680	5680	G.O. No. 2906 W of 17th September /88
			4	R.H.A. Constructing a wheeler's shop	3320				3320	3320	
			5	Do. Grass Cutters lines Constructing a drain from the – for preventing the fouling of adjacent Nullah	2846				2846	2846	G.O. No. 1261 W dated 1st May/89
			6.	British Cavalry Constructing an orderly and Officers room for Agaram Barracks —	7570				7570	7570	G.O. No. 3157 W of 8th October 1888
			7	Native Cavalry Regiment Public Buildings for —	30990	3415		20000		20000	G.O. No. 3149 W dated 22 Decr. 1889 But the Estimate is under revision.
		Superseded	8	Additions to Public Buildings Madras Infantry Regiment for a Pioneer Regiment Constructing store room & work shop —	4860				4860	4860	Estimate submitted to the Qr. Master General With S.E. letter No. 2101K dated 17th August 1887.

5 Circle No 4643

3583-84
65

Details of Budget Estimate of Original works for 90-91

Head of classification	Executive Division	Locality	Item No	Projects works	amount of Estimate	Outlay actuals to end of 1888-89	Outlay Probable during 1889-90	Grant for 1890-91 works in progress	Grant for 1890-91 work not commenced	Grant for 1890-91 Total	Remarks & References
Accommodation for troops	Presidency	Bangalore	9	One new barrack for British Cavalry Regiment —	32500				32500	32500	Estimate awaited from the Executive Engineer
			10	Parade Barracks Completing system of drainage for —	8112				8112	8112	G.O. No 2615 W dated 24 August 1888
		Madras	11	Royapuram Native Infantry Lines Providing means for flushing drains with tank wells water	4300				4300	4300	G.O. No 1397 W dated 4 June 1884
			12	Madras Coach houses & stables Constructing in front of Body guard Lines for use of officers in Fort Saint George —	15770				15770	15770	Estimate is awaited from Executive Engineer.
			13	Fort Saint George Garrison Bazaar Constructing new Cook houses on the site of —	4500				4500	4500	Do Do
			14	Fort Saint George Repairs to floors of B & D Blocks family quarters —	10070				10070	10070	Do Do
			15	Converting the Main Guard Magazine into Latrine &c in connection with Scheme for providing Extra accommodation for troops	3820				3820	3820	Site has not as yet been decided and the D.S.G. has returned the estimate with his letter No 2996 of 8 May 1889

5 Crile No 4643

Details of Budget Estimate of Original works for [illegible] 91

3583-84 / 65

Head of classification	Executive Division	Locality	Item No	Projects works	amount of Estimate	Outlay actuals to end of 1888-89	Outlay Probable during 1889-90	Grant for 1890-91 works in progress	Grant for 1890-91 work not commenced	Grant for 1890-91 Total	Remarks & References.
Accommodation for troops	Presidency	Madras		Constructing 2 rooms							
			16	Constructing 2 rooms on the second of 4 & 5 Field Officers Quarters to adapt them as offices for the Surgeon General H M Forces & his Secretary	4915				4915	4915	GO No 2236 W of 16th August 1889-
	Chingleput	Poonamallee Mount	17	Construction of new Barracks	166885	26624	30000	50000		50000	
		Mount	18	East and West Harness rooms of Troop lines Raising the main walls & renovating the roof—	4200				4200	4200	GO No 3137 W of 17th Decr 1881-
			19	Dpt R.A. Constructing Collar makers & wheelers shop—	5660				5660	5660	GO No 2717 W dated 3rd Novr 1884
			20	Constructing a wooden shed at Proof range—	2820				2820	2820	GO No 3077 W dated 13th Decr/8
		Pallaveram	21	N. I. Regiment Constructing an armourers shop—	2880				2880	2880	GO No 3149 W of 22nd Decr/84
			22	Constructing a powder magazine for a regiment of Native Infantry at Pallaveram—	4900				4900	4900	Sanctioned in GO No $\frac{334 W}{5-2-86}$

5 Circle No. 4643

Details of Budget Estimate of Original works for 91

Head of classification	Executive Division	Locality	Item No.	Projects works	amount of Estimate	Outlay actuals end of 1888-89	 Probable during 1889-90	Grant for 1890-91 works in progress	 work not commenced	 Total	Remarks & References.
Commissariat	Presidency	Fort Saint George	30	Examiner's Office Providing Iron record racks	✓ 7790				7790	7790	do GO No. 2636 W of 21st September/87
			31	Pudupet Transport lines Constructing shed for mules	✓ 11210				11210	11210	Estimate awaited from the Executive Engineer
			32	Quarters for two staff serjeant	✓ 3500				3500	3500	do
			33	Pudupet Commissariat Transport lines Constructing sheds for Bullocks Cart trollies &c.	✓ 40680				20000	20000	GO No. 3667 W of 4th Nov/88
Ordnance	Presidency	Madras	34	Vepery Coal store Constructing a—	✓ 5000				5000	5000	Estimate awaited from Executive Engineer—
			35	Ordnance Lines Providing sun shades to exposed doors and windows of quarters in —	✓ 4160				4160	4160	GO No. 2248 W of 22nd August/87
			36	Gun Carriage Factory New workshops—	✓ 84830		19483 ~~10833~~	52840	.	52840	do Revised Estimate has been submitted to the Inspector General of Ordnance

3583-84

5 Circle No 4643

3583-84 / 65

Details of Budget Estimate of Original works for 91

Head of classification	Executive Division	Locality	Item No	Projects works	amount of Estimate	Outlay		Grant for 1890-91			Remarks & References.
						actuals to end of 1888-89	Probable during 1889-90	works in progress	work not commenced	Total	
Ordnance	Presidency										
		Madras	37	Gun Carriage Factory / Re-Constructing the existing saw sheds –	17615				17615	17615	Estimate being examined in the Executive Engineers office –
			28	Ordnance Lines Constructing stables for each of the quarters	8510 „				8510	8510	Estimate submitted to the Inspector General of ordnance.
			39	Gun powder factory / Blending House alterations to roof of –	8298				8298	8298	Do Do
			40	Ordnance Lines Re roofing the –	57598		21000	30598	„	30598	G O No 1514 W dated 7 June 1889,
			41	Veyasarpady Rifle range extending and raising the existing stop butt	Original Estimate sanctioned 6076 Revised Estimate 8525		6076	2449		2449	Revised estimate has been submitted to the District Staff Officer Madras,

3583-84

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5 Circle No 4643

3583-84 / 65

Details of Budget Estimate of Original works for 90-91

(2)

Head of classification	Executive Division	Locality	Item No	Projects works	Amount of Estimate	Outlay: actuals to end of 1888-89	Outlay: Probable during 1889-90	Grant for 1890-91: works in progress	Grant for 1890-91: works not commenced	Grant for 1890-91: Total	Remarks & References
Fortification	Presidency	Fort Saint George	42	Fort Saint George - Constructing a draw Bridge at the North gate of -	4487				4487	4487	G.O. No: 2447 W dated 13th August 1888
Do	Northarcot	Vellore	43	Constructing a swing bridge and gate for the fort at Vellore	6450				6450	6450	G.O. No: 1963 W dated 20th July 1889,

5 Circle №. 4643

3583-84
65

Details of Budget Estimate of Original works for … 91

Head of classification	Executive Division	Locality	Item No.	Projects works	amount of Estimate	Outlay actuals end of 1888-89	Outlay Probable during 1889-90	Grant for 1890-91 works in progress	Grant for 1890-91 work not commenced	Grant for 1890-91 Total	Remarks & References.
				Minor new works							(2)
7			1	Presidency Division						25000	
			2	Chingleput Division						10000	
			3	South Arcot Division						"	
			4	North Arcot Division						2150	
				Repairs Barracks an Departmental buildings							
			5	Presidency Division						15000	
			6	Chingleput Division						30,000	
			7	South Arcot Division						180	
			8	North Arcot Division						2500	
				Repairs							
			9	Fortification Presidency Divi						2000	

18 October 1889.

65

W H Burton

Colonel R.E.

Superintending Engineer V. Circle

6

Imperial military

Budget Estimate of Revenue to be collected by P. W. Department for 1890-91

Particulars	Amount	Remarks
North Arcot Division	80	

3583-84

Statement showing the proposed expenditure in the ensuing Official Year and the approximate outlay in the Current Official Year under all Budget heads Major Works being specified in detail to accompany the Budget Estimate for 1890-91.

Division	Details	Estimate Amount	Grant for 1889-90.	Approximate expenditure during 1889-90	Proposed expenditure during 1890-91	Remarks
	Imperial Military. Major Original Works					
Bellary	New Workshops for the Arsenal	45,500	15,992	15,992	..	
Do	Reroofing Verandah of Married Ranges European Infantry Barracks.	13,307	6,763.	4,263.	2,500	Rs 2500 proposed to transfer for reroofing the Station Hospital.
Do	Quarters for Purveyors at Bellary	3,046	..	..	3,046.	
Do	Guard room for the Station Hospital	4,290	..	..	4,290	
Do	Five double quarters for Staff Sergeants attached to the Ordnance Department	35,350	9,880	9,880	10,000	
Do	Swimming Bath British Infantry	7,644	..	..	7,644	
Do	Infectious Disease ward & Cook house	6,140	..	..	6,140	
Do	School room for Native Infantry	3,030	..	..	3,030	
Do	New Saddle room for the Madras Cavalry Regiment	30000	..	..	10000	
Do	Place of Arms for a Regiment of Madras Infantry	10,070	..	..	5,000	
Do	Quarters for the Band Master of the European Infantry Regiment Bellary	4,075	..	..	4,075	
Do	Mangalore tiled roof for the existing roof of the Station Hospital	4,647	..	2,500	2,147	Proposed to be transferred from reroofing married ranges.
				2,500	5,000	
	Minor Works Repairs					
Do	Annual special repairs		40,000	40,000	40,000	
Cuddapah	Annual Repairs		780	780	780	
Kurnool	Do		360	360	360	

Superintg Engineers Office 3rd Circle
Bellary 30th September 1889

H Smalley Col R.E.
Superintg Engineer 3rd Circle

From

The Superintg: Engineer
3rd Circle

To

The Chief Engineer
P.W. Department
Madras

P.W. 9244/89

Dated 30 September 1889
Recd

Statement to accompany the Military Budget Estimate for 1890–91

Imperial Military
Buildings & Roads

III Circle

Budget Estimate for 1890–91.
Abstract.

3583–84

	Estimate 1890–91		Estimate 1889–90	
	Amount	Total	Amount	Total
Military				
Original work	62,872		41555	
Repairs	41,140		41,140	
Total Military		104,012		82695

Imperial Military
Buildings & Roads

Part I

3583 84

Detail of the Budget Estimate of Original work Imperial Buildings & Roads for the year 1890-91

Head of classification	Executive Division	Locality	Item No	Projects and works	Amount of Estimate	Outlay: Actual to end of 1888-89	Outlay: Probable during 1889-90	Grant 1890-91	Remarks & References
				Imperial Military Major Original works					
Ordnance	Bellary	Bellary	1	Five double Quarters for Staff Sergeants attached to the Ordnance Department	35.350		9.880	10.000	G O No 1630W d/18th June 1887
Accommodation for Troops	Do	Do	2	Quarters for the Band master of the European Infantry Regiment	4.075			4.075	G O No 1441W d/16 May 1888
Buildings for European Troops	Do	Do	3	Guard Room for the Station Hospital	4.290			4.290	G O No 1384W d/11 May 1888
	Do	Do	4	Mangalore tiled roof for the existing roof of the Station Hospital	4.647		2.500	2.147	G O No 1423W d/29th May 1889
Do	Do	Do	5	Swimming bath for British Infantry	7.644			7.644	G O No 2434W d/19th October 1885
Do	Do	Do	6	Infectious disease ward & Cook house Station Hospital	6.140			6.140	G O No 320W d/7th February 1884
Do for Native Troops	Do	Do	7	Place of arms for a Regiment of Madras Infantry	10.070			5.000	G O No 92W d/15th January 1889
Do for European Troops	Do	Do	8	Quarters for three Purveyors	3.046			3.046	G O No 771W d/7th March 1888
Do	Do	Do	9	Reroofing Verandah of Married Ranges E. I. Barrack	13.307	6.544	4.263	2.500	G O No 3421W d/15th December 1887
					Carried over			44.842	

Part II

Imperial Military
Buildings & Roads.

III Circle

Budget Estimate for Repairs Imperial Buildings & Roads for the Year 1890–91

Head of classification	Division	District	Item	Estimate 1890–91		Estimate 1889–90	
				Amount	Total	Amount	Total
			Imperial Military Repairs				
	Bellary	Bellary	Annual repairs	40,000		40,000	
	Cuddapah	Cuddapah	Do Do	780		780	
	Kurnool	Kurnool	Do Do	360		360	
					41140		41140

Supdtg Engrs Office
3rd Circle
30th September 1889

H Smalley Col R E
Superintg Engineer 3rd Circle

P.W.C. No 9209

From

The Superintg Engineer
3d Circle

To

The Chief Engineer
P.W. Department
Madras

Dated 30 } September 1889
Recd 2 } 10 - 89

SECRETARY TO GOVERNMENT
-2 OCT 89
P.W. DEPARTMENT, MADRAS.

Military Budget
Estimate for 1890-91

Fourth Circle

West Coast Division

3583-84

Statement showing the approximate outlay under Imperial Military during 1889-90.

Head of Classification.	Approximate outlay during 1889-90.
Imperial. Military.	
Major	32580
Minor	1452
Total Original.	34032.
Repairs.	22000.

Executive Engineer's office
Calicut, 2d September 1889 } A.T. Fraser Col. R.E.,
Executive Engineer.

70

Brought forward	4310	2216	1779	1158
Extending the verandah roof of the grain boiling [illegible] in the Stud Lines, Remount Depot Mathigiri	93	89	4	.
Total Minor New Works	4403	2305	1783	1158
Repairs	.	4653	6000	6000

358384

6th September 1887

J. W. Martin
Executive Engineer

SUPG: ENGINEER'S OFFICE
No. 10/593
SEP. 89
P. W. D.
FOURTH CIRCLE

Coimbatore Division

Statement shewing the proposed expenditure in the year 1890–91 and the approximate outlay in the Current Official year under the head Imperial Military

Project and Works	Amount of Estimate	Outlay up to 31st March 1889	Approximate outlay in the Official year 1888–89	Proposed expenditure in the year 1890–91	
Military Major Works Nil Minor Original Works					
Sinking a well near Sick Lines Remount Depot Hosur and constructing a masonry conduit at the Remount Depot Mathigiri	1078	1038	500	„	
Sinking a well in Stud Lines, Remount Depot Hosur and constg: a masonry conduit, Remount Depot, Mathigiri	955	838	500	„	
Extending the existing weir of the Jeegoor Tank at the Remount Depot Hosur	525	300	225	„	
Constructing Compound walls to the west and north side of the Rest Camp at Podanore	493	„	„	493	Regr No 16 of 1888/1889
Constructing masonry drains in the Stack yard Remount Depot Mathigiri	314	40	274	„	
Constructing a barbeque required for clearing the grain in the Remount Depot Mathigiri	215	„	„	215	No 49 of 1888/1
Constructing a Sick Cart shed to the Rest Camp at Podanore	450	„	„	450.	No 3 of 1889/90
Repairing the Hospital, Remount Depot, Mathigiri	280	„	280	„	
Carried Over	4310	2216	1779	1158	

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From
The Executive Engineer
Coimbatore Dn

SUPG: ENGINEER'S OFFICE
NO. 2/716 C.S.
6 SEP. 89
P. W. D.
FOURTH CIRCLE

Dated 6th September
1889

Gu 10
On 9279
89

Imperial Military

Statement of
proposed expenditure under
in 1890-91

tatement of Major Works proposed to be carried out in 1890-91 to accompany letter No: 5317 C dated 15th November 1889 to the Quarter Master General.

②

Executive Division	Locality	Item no:	Projects & Works	Amount of Estimate	Outlay up to 1888-89	Outlay probable during 1889-90	Proposed grant for 1890-91	Remarks.
			Imperial Ordinary Military Major Works					
Chingleput	Poonamallee		New Barracks	1,66,885	26,624	30,000	50,000	G. O. No: 465 W d/19th February 18 Item No: 2, class A works, Budget of 1889-
Presidency	Bangalore		Public buildings for a regiment of a Native Cavalry	30,533	"	20,000	20,000	G. O. No: 1607 W d/19th June 1889. Item No: 3 class B works, Budget of 1889-9
West Coast	Calicut		Sheds for transport animals at Calicut	11,265	400	7,800	3,065	G. O. No: 3302 W. d/17th October 188
"	"		Institutes for British Regiments & Batteries	Rs 35000/- proposed "	"	"	20,000	Estimates are awaited.
"	"		Improvements to the sanitation of the lines of Native troops	"	"	"	20,000	Estimates are awaited.
Bellary	Bellary		Reroofing the Verandah of the married range of the European Infantry Barracks	13,307	6,544	4,263	2,500	G. O. No: 3420 W. d/15th December 18
"	"		Constructing a Mangalore tiled roof over the existing roof of the Station Hospital	4,647	"	2,500	2,147	G. O. No: 1423 W d/29th May

tatement of Major Works proposed to be carried out in 1890-91 to accompany letter No: 5317 C dated 15th November 1889 to the Quarter Master General.

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					Outlay			
Executive Division	Locality	Item no:	Projects & works	Amount of Estimate	up to 1888-89	probable during 1889-90	Proposed grant for 1890-91	Remarks.
Presidency	Madras		Alterations to Rifle ranges at Veyasarpady	6,076	"	6,076	2,449	G. O. No: 3150 W d/8th October 1888 Item No: 13 class B works, 1889-90. Revised estimates is awaited. 3583-84
Nilgiris	Wellington		Officers Mess	" 30,000 [illegible]	"	"	✗20,000	Estimate is awaited
West Coast	Calicut		New barracks with subsidiary buildings	"	"	"	✗20,000	Estimate is awaited. Item No: 64 class C Works Budget of 1889-90.
Nilgiri	Wellington		Connecting by means of iron pipes the drinking water-well with the barracks.	4,715	"	"	✓4,715	G. O. No: 1198 W. d/6th May 1889.
Presidency	Fort St George		Constructing 2 rooms and bath rooms on the Second floor of Nos: 4 & 3, Field officers quarters for the use of the officers of the Surgeon General Her Majesty's Forces and of his Secretary.	4,915	"	"	✓4,915	G. O. No: 2236 W. d/16th Augt 1889
Nilgiri	Wellington		Constructing hut barracks for 100 men	30,000 [illegible] "	"	"	✗20,000	Estimate is awaited. Item No: 11: class C Works, Budget of 1889-90. 73
Bellary	Guntakal		New rest house and site for the Rest camp.	"	"	"	✗8,040	Estimate is awaited. Item No: 65 Class C Works, Budget of 1889-90.

Total Rs 1,97,831

tatement of Major Works proposed to be carried out in 1890-91 to accompany letter No: 5317 C dated 15th November 1889 to the Quarter Master General.

3583-84
71

Executive Division	Locality	Item No.	Projects & Works	Amount of Estimate	Outlay		Proposed grant for 1890-91	Remarks.
					up to 1888-89	probable during 1889-90		

②

Supt. Engr's Office II circle
Trichinopoly
30' September 1889.
Recd 1st/10/89

A L Smith Lt Col RE
Supt. Engineer II circle.

3583-84
74

74

3583
210

Quarter Master General's Office,

76

3583-84
75

Imperial.

Detail of Budget Esti
under Imperial, Military

Heads of Classification	Division	Locality	Items
Accommodation for troops	Trichinopoly	Trichinopoly.	Repairs to Bu Repairs or m nance of Can ment Roads
Rent of Buildings for accommodation of subordinates.	Tanjore	Kumbakonam & Tranquebar —	Hire for qua for medica subordinate
Do.	Madura	Madura & Kodaikanal.	Hire for quar Sergt. Instructo Volunteer Rifle for medical sub in charge of Disp
Do.	Tinnevelly	Tuticorin.	— do — do
			Total

Supdt. [illegible] Circle.
Trichinopoly
30 September 1889.
Recd [illegible] 89

75

3583 [illegible] 210

for the [illegible] quarters of
76
the

Form No. 7 B. Mily Works Spl. 17 Dec. [illegible] 3583 [illegible] 2 P

HEADING *Quarters.*

Officers.

It is requested that the heading, number, and date of this communication may be quoted in any subsequent correspondence on this subject.

QUARTER MASTER GENERAL'S OFFICE,
Ootacamund,
19th October 1889.

No. 3648. A.
3583-84

From

BRIGADIER-GENERAL M. PROTHEROE, C.B., C.S.I.,
QUARTER MASTER GENERAL,

To

THE SECRETARY TO GOVERNMENT,
MILITARY DEPARTMENT.

SIR,

Block of Officers' quarters to accommodate 6 Bachelors for the British Infantry Battalion.	Rs. 40,000.
– Do – Do – for Convalescent Depôt.	Rs. 40,000.

Recorded in G.O. No. 2731 W. 30-9-89 (G.O. 7239 of 89 for [illegible])

With reference to the items noted in the margin, which find a place in the list of class C. works submitted to the Secretary to Government Public Works Department, with my letter No. 2772. A. of the 9th ultimo, in connection with the Imperial Military Works Budget Estimate of the Public Works Department for the ensuing official year, I am desired by the Commander-in-Chief to bring to the notice of Government the necessity for the early provision of 12 Subaltern's quarters at Wellington, 6 for the Head Quarters of the

76

3583/84 3 P

the British Infantry and 6 for the Convalescent Depôt, and to suggest that these items accordingly be transferred to the list of Class B. Works in the ensuing year's Budget Estimate, funds being provided for their execution during the coming official year if possible.

2. Of the 57 Staff and regimental Officers (16 of whom are Subalterns) at present doing duty at the Head Quarters of the Southern District, owing to the want of suitable accommodation at Wellington, 11 married officers are obliged to reside at Coonoor, to their great inconvenience and to the detriment of their work, and 2 unmarried Officers are in camp. There are only 23 houses in the Cantonment of Wellington which are said to be suitable, or which may be made suitable for occupation by officers. Six of these are occupied as shown in the margin, so that actually 17 houses only are available as officers quarters, and 16 of these are at present occupied by 24 officers of various ranks (6 married and 18 unmarried), one only being empty, but this building is stated
to

to be a long way from barracks, and consequently unsuited for occupation by a Regimental Officer. I am also to mention that the General Officer Commanding Southern District reports that there are no persons who are likely to build additional houses in Wellington Cantonment, suitable for occupation by Officers.

1. Regimental Officers' Mess.
2. Depôt Officers' Mess.
3. Chaplains quarters.
4. Apothecarys — " —
5 }
6 } Two Commissariat Serjeants.

3. The provision of quarters for Subalterns at Wellington will tend in a great measure to relieve the present difficulty experienced by officers generally in providing themselves and their families with suitable house accommodation in that Cantonment, by setting free the houses now occupied by Subalterns, for officers of a higher rank.

I have the honor to be,
Sir,
Your obedient Servant,

M. Protheroe Brig.-General.
Quarter Master General.

77

P.W. No. 10,138 V

27 7239 of 89

Military (1889) Department.

No. 7680

No 7308.

From

THE QUARTER MASTER GENERAL,

To

THE SECRETARY TO GOVERNMENT,

MILITARY DEPARTMENT.

Transferred to the Public Works Department with advertence to P.W.S. No 2730 W dated 30 September 1889, for favor of necessary action.

Colon

for Secy to Govt Mily D'p

Fort Saint George,
25th October /89.

No. 3648 A.

Dated 19th
Received 22 } October 1889.

Recd 28 Oct 89

SECRETARY TO GOVERNMENT, P.W. DEPARTMENT, MADRAS. 28

ENCLOSURES.

Bringing to notice the necessity that exists for the early provision of 12 subalterns' quarters at Wellington, and remarking on the same

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3583-84

5 P

Accounts.
Budget Estimate.

It is requested that the above heading, with number and date of this communication, may be quoted in any subsequent correspondence on this subject.

No. 2265-M-W.

GOVERNMENT OF INDIA.

MILITARY DEPARTMENT.

Simla, the 2nd November 1889.

Resolution by the Government of India, Military Department, dated Simla, 1889.

THE following provisional distribution of the annual Imperial grant of one crore of rupees for Military Works in 1890-91 is hereby notified :—

	Rs.
Rajputana and Central India	2,50,000
Hyderabad	2,75,000
Military Works Department	59,85,000
Central Provinces	1,00,000
Lower Burma	4,00,000
Assam	2,00,000
Bengal	70,000
North-Western Provinces and Oudh	10,000
Punjab	2,50,000
Madras	6,75,000
Bombay	13,00,000
Ordnance Works	3,50,000
Marine Works	35,000
TOTAL ...	99,00,000
Leaving for reserve with the Government of India ...	1,00,000
GRAND TOTAL ...	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 1890-91, 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 he Government of India punctually by the 15th January 1890.

78

5. Orders regarding the grant for Military Works in Upper Burma will issue hereafter.

The Secretary to 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 Agent to the Governor-General, Rajputana and Central India.
The Inspector-General of Military Works.
The Director-General of Ordnance in India.
The Director of the Indian Marine.
Resdt Hyderabad

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.

By order,

(Sd.) E. H. H. COLLEN,

Secretary to the Government of India.

G. C. Press, Simla.—No. 3110 M D.—3-11-89.—470.

Form No. 7 B.

HEADING Accounts.
Budget Estimate.

QUARTER MASTER GENERAL'S OFFICE,
Ootacamund,
28th November 1889.

It is requested that the heading, number, and date of this communication may be quoted in any subsequent correspondence on this subject.

No. 4371 A

6 P

From

BRIGADIER-GENERAL M. PROTHEROE, C.B., C.S.I.,
QUARTER MASTER GENERAL,

To

THE SECRETARY TO GOVERNMENT,
Public Works ~~Military~~ DEPARTMENT.

3583–84

SIR,

With reference to your letter No. 5317 C. of the 15th Instant, I am desired to convey the general approval of the Commander in Chief to the proposed distribution of the grant allotted by the Government of India for Imperial Military Works in this Presidency for the ensuing year, and to offer the following remarks for the consideration of Government.

2. As, with reference to G.O. No. 3121 W dated 4th November 1889, all alterations necessary to existing buildings to be used as Regimental Institutes, will have been executed

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executed during the current Official year, and the sanction of the Secretary of State to the proposals of the Government of India in regard to new buildings for Institute purposes, will probably be accorded before the commencement of the Official year 1890/91. His Excellency considers it will be very desirable to have an adequate sum allotted for the construction during that year of the Regimental Institutes at Saint Thomas' Mount and Wellington. While therefore accepting the proposed allotment of Rs 20,000-0-0 for Regimental Institutes, instead of Rs 35,000-0-0 as originally recommended, Sir Charles Arbuthnot hopes that any savings in other directions may be added hereafter to this allotment, in order that a good start may be made in 1890/91 with the 2 Institutes, which are so much required.

3. If the proposal as to the expenditure

3583-84

of the balance of the allotment for Regimental Institutes during the current year, contained in my letter No 4339 A dated the 26th Instant, to the Secretary to Government, Military Department, be accepted, the sum of Rs 8040-0-0 proposed to be expended in the coming year on the new Rest House and Site for Rest Camp at Guntakul, will be set free. This amount His Excellency considers might be added to the reduced allotment of Rs 20,000-0-0 for the Officers' mess at Wellington, thus bringing it up to Rs 28,040-0-0, or nearly the amount, viz: Rs 30,000-0-0, originally proposed. I am to mention that such a building is most urgently required for the comfort of the Officers of the Battalion quartered at Wellington, and that it should be put in hand and completed as early as possible.

4. With reference to para 4 of your letter under reply, I am desired to solicit that

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under

under the orders of His Excellency the Governor in-Council, an application may be made to the Government of India in view to a special allotment of funds being secured for the construction during the coming financial year, if possible, of the 12 Subaltern's quarters which are so much needed at Wellington. The necessity for these quarters at Wellington is fully set forth in my letter No. 3648 A dated 19th October last, to the Secretary to Government, Military Department, and I am to add that in the interests of discipline, it is most desirable that these quarters be constructed without delay, as large detachments of young soldiers from different regiments are now sent to Wellington annually from the plains, in addition to the convalescents for the Depot, and it is very necessary that their Officers should be quartered near them.

3583-89

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5. The statement of major works proposed to be carried out during the official year 1890-91, which accompanied your letter under reply is herewith returned as requested.

I have the honor to be
Sir
Your Obedient Servant
W. Protheroe Brigr. Genl.
Quarter Master General.

No/

96

No. 8366.

Forwarded

A Kenney Herbert Br. Genl.
Secretary to Government

Fort Saint George,
5 December 89.

81

P.W.C. No. 11640

Military (18) Department.

No.

From

The Quarter Master General,

To

The Secretary to Government,

P. W. ~~Military~~ Department.

No. 4371

Dated 18th }
Received } November 1889.

Ry 5. 11. 89

Secretary to Government P. W. Department, Madras -5 DEC 89

Enclosures. 1

Conveys the general approval of the Commr.-in-Chief to the proposed distribution of certain grant allotted by the Govt. of India for the Imperial Mily: works in this Presidency for the ensuing year with certain remarks

B

ORDNANCE DEPARTMENT.

108

No. 5383 E

From

The Director-General of Ordnance in India,

To

The Secretary to the Government of Madras
Public Works Department
Madras

3583/84

Dated Simla, 15th November 1889.

Sir,

With reference to Para: 3 of Government of India, Military Department Resolution No 2265 M. W. "Accounts / Budget Estimate" dated the 2nd November 1889, sanctioning, provisionally, Rs: 3,50,000 for Ordnance Works during 1890/91, I have the honor to notify the following allotments of funds to the works specified in the Madras Circle of the Ordnance Department, in India:—

Omit	Receipt and Issue shed, Rangoon arsenal	2,530
B	Building for Receipt Department Bellary arsenal	4,000
B	— Do — for Issue — Do — Do	4,000
A	Non-Commissioned Officers Quarters Bellary arsenal	25,470
	Minor and Petty works	10,000
	82 Total	46,000
	Add percentage for tools plant and Establishment at 24½ per cent	11,270
	Grand Total	57,270

PWA no. 11069

The necessary transfers to Burma will made hereafter as may be necessary

I have the honor to be,
Sir,
Your most obedient servant

T. T. Lewis Major Genl:
Director Genl: of Ordce: in India

Recd 21. 11. 89

3583-84

188~~9~~9.

P. W. DEPARTMENT.

Current No. 1069

From The Director General of Ordnance in India

ENCLOS.—

No. 5383 E

Dated 15th Novr. 1889

Received 21.11.89

SUBJECT.

Ordnance Works during 1890-91

Notifying certain allotments of funds to works specified in the Madras Circle—

DISPOSAL.

No. Dated

No. 35836

Mily Works Acct

PUBLIC WORKS DEPARTMENT.

A

3583-84

PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following

Letter from the Supg Engr I Circle. No. 398 GL d/ 5th October 1889.
Do. II No. — d/ 15th October 1889.
Do. III dated 30th September 1889.
Do. IV No. 425 EW d/ 2nd October 1889.
Do. V No. 4643 d/ 18th October 1889.
Do. V No. 4780 d/ 21st October 1889.
Do. VI No. 1438 TJ d/ 30th Septr 1889.
From the Quarter Master General. No. 3648 CA d/ 19th Octr 1889
Endorsement thereon in the Military Department. No. 7308 d/ 25th Octr 188
~~Letter from the Govt. of India Mily Dept~~ ~~No 2265 M.W. d/ 2nd Novr. 1889~~
From the Quarter Master General. No. 4371 A d/ 28th November
~~Letter from the Govt of India Mily Dept No 2615 MW d/ 2nd November 188~~
Endorsement thereon in the Military Department No. 8366 d/ 3rd December 188
~~Letter from the Govt of India Mily~~
From the Director General of Ordnance in India — No. 5383 E d/ 15 November 1889

3583-84
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84

In its Resolution above recorded, the Govt of India assigned a provisional grant of Rs 6,75,000 for expenditure on Military Works in this Presidency during 1890-91. The amount distributed under Departmental hea

Mes 15 Dec

will

will be as shown below:—

Works.	Rs	5,40,930.
stablishment.	"	1,25,920.
ools and Plant.	"	8,150.
Total	Rs	6,75,000

: With reference to para
of the Government of
ndia Resolution, the Director
General of Ordnance has
lloted Rs 57,270 for
Ordnance works. As
grant includes a
ision of Rs 2,530 for
nstruction of Receipt
Issue Shed for the
senal at Rangoon which
tside the civil limits
Madras Presidency,
sum together with
640 being the percentage
arges for Establishment
d Tools and Plant
as been deducted from
e assignment made by
e Director General of
rdnance and the balance
54,100 has been dis:
tributed as shown below:—

ajor original works	Rs	33,470
inor original works.	"	10,000
tablishment.	"	9,980
ls and Plant	"	650
Total	Rs	54,100

2nd

3d

(1)

3583-84/85

3583-84/85

3. The Military works budget Estimate for 1890-91 has been prepared for Rs 7,29,100 being the total of the grants sanctioned by the Govt of India and the Director General of Ordnance, and the amount has been distributed as follows:—

(2)

Works.	Rs	5,84,400
Establishment	"	1,35,900
Tools and Plant.		8,800
Total	Rs	7,29,100

4. Of the sum of Rs 5,40,930 available for ordinary Military works, the following sums have been set apart:—

	Rs
(a) Incomplete major works.	13,099
(b) Incomplete minor works. —	10,000
(c) New minor works. —	20,000
(d) Repairs. —	3,00,000
Total Rs	3,43,099

and the balance Rs 1,97,831 has been distributed to individual works with the approval of H. E. the Commander-in-Chief.

5. The distribution made

by

by the Director General of Ordnance of the grant for major Ordnance works has been adopted, and of the sum of Rs 10,000 provided for minor work, Rs 4,000 will be reserved with the Government for incomplete works and the balance Rs 6000 placed at the disposal of the Inspector General of Ordnance to whom Superintending Engineers will apply for funds required for new minor Ordnance works of 1890–91.

6. The amount set apart for incomplete works in para 4 of these Proceedings will, as usual, be held at the disposal of the Government and distributed early next year on receipt of detailed proposals from Supdg Engineers.

7. The grant for Repairs has been distributed among the several Divisions

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with reference to para 9 of G.O. No 1636 W dated 22nd June 1889.

8. The sum of Rs 20,000 set apart for new minor works will be placed at the disposal of the Quarter Master General for distribution among the officers commanding Divisions and Districts and the Commissary General, to whom Superintending Engineers will apply for funds required for new minor ~~[illegible]~~ works of 1890–91.

3583-84 / 86//

9. The Superintending Engineers concerned will lose no time in submitting plans and estimates for the unsanctioned works for which funds have been provided in the budget.

10. The Quarter Master General will be requested under the orders of H.E. the Commander-in-Chief to submit detailed proposals for the utilisation of

the

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the grants provided for "Regimental Institutes" and "Sanitary works connected with the lines of Native troops".

11. The difference between the budget and the revised estimates of charges for 1889-90 is due to the transfer of Rs 1,050 for Ordnance works in Burmah, and to the additional allotments sanctioned by the Govt of India.

12. With reference to the Quarter Master General's letter No. 3648 A dated 19th October 1889 and para 4 of the same officer's letter No. 4371 A dated 28th November 1889, the Govt of India will be requested to provide a Special grant for the continuation of quarters for Subalterns at Wellington.

13. Works for which stimates have not been anctioned have been ntered in the budget at the request of the Quarter Master General and the Director General of Ordnance, ~~and~~ but it is hoped that the estimates ~~for them~~ will shortly be ready. The Government of India will therefore be requested to allow the grants provided for ~~them~~ such works to stand.

14. With these remarks the preliminary issue of the Military Works budget for 1890-91 will be printed and circulated to the officers concerned for information and guidance and four copies will be forwarded to the Government of India, Military Department.

To
Superintending Engineers
The Examiner of P. W. Accounts.
" Military Department.
" Financial Department.
" Director General of Ordnance.

3583-84/87

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No. [illegible] W dt: 17th December [illegible]

Forwarded.

WCB 12.12.89

Hw 13.12.89

3583-84/87

Recd 12.12.89

Cm

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Govt. of [18] Madras

PUBLIC WORKS

Print

urgent

Dated

Recd.

Encl.

G.O. 17th Decr 1889 No. 35

Mily Works Budg

Orders on the prelim
issue of the for 1890-91

Mily Works Budget
for 1890-91.

Fordg: the ——

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