may be made to the Government of India, in view to a special grant being secured for the carrying out of this work by an early date.

5. I am to add that a site for these hut barracks will be selected, which will admit of their future expansion, if desirable, to a number sufficient to accommodate a battalion.

No. 7269, Military.

Forwarded to the Public Works Department for favor of necessary action with reference to G.O., No. 2730 W., dated 30th September 1889.

Fort St. George,
22nd October 1889.

(Signed) H. R. SHELLEY, Colonel,
for Secretary to Government.

Order—dated 1st November 1889, No. 3080 W., Public Works.

Ordered to be forwarded for the favorable consideration of the Government of India, with reference to para. 4 of the Quartermaster-General's letter.

2. Meanwhile the Superintending Engineer, IV Circle, will, with the least possible delay, submit plans and estimates for hut barracks to accommodate 6 Sergeants and 144 men at Wellington.

(Here enter No. 3081 W., dated 1st November 1889.)

(True Extract.)

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

To the Superintending Engineer, IV Circle.
,, Military Department.

Endorsement—dated 1st November 1889, No. 3081 W., Public Works.

Forwarded to the Government of India, Military Department.

(By Order.)

Lt.-Col, R.E.,
Ag. Joint Secy. to Govt., P.W.D.

Exd. W. J. Lewis.
Spare Copies

3080/3081

2

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1889} Madras.

PUBLIC WORKS.

Dated November, 1st.

Recd. *Encl.*

G.O., 1st Nov. 1889, Nos. 3080 W., 3081 W.

NOVEMBER.

Additional Barrack Accommodation at Wellington

Forwarding copy of Proceedings on letter from the Quartermaster-General urging the necessity for the early provision of —, and requesting that application be made to the Government of India for a special allotment of funds for the work.

3080/3081

Appendix to G.O., No. 2730 W., dated 30th September 1889.

BUILDINGS AND ROADS.

SCHEDULE of the probable requirements of the Madras Presidency on account of Military Works for 1890-91.

Head of classification.	Executive division.	Locality.	Item No.	Projects and Works.	Class.	Original Works. Major works. Works in progress.	Major works. New works.	Major works. Total.	Minor works.	Repairs.	Establishment.	Tools and plant.	Suspense.	Grand Total.	Remarks.
						rs.	rs.	rs.	rs.	rs.	rs.	rs.	rs.	rs.	
(1) Accommodation for troops—Buildings for European troops.															
	Chingleput.	Poonamallee.	1	New barracks	A	50,000	..	..	..	..	..	..	..	..	An estimate of Rs. 1,66,885 was sanctioned in G.O., No. 465 W., dated 19th February 1879. Revised estimate is awaited. Item No. 2, class A works, budget of 1889-90. Estimates are awaited. Item No. 2, class B works, budget of 1889-90.
	..	..	2	Institutes of British regiments and batteries in the Presidency.	A	..	35,000	..	..	..	..	..	..	..	
	Bellary ..	Bellary ..	3	Swimming-bath for British Infantry.	B	..	7,644	..	..	..	..	..	..	..	Estimate of Rs. 7,644 was sanctioned in G.O., No. 2434 W., dated 19th October 1885. Item No. 1, class C works, budget of 1889-90.
	Do. ..	Do. ..	4	New guard-room for the Station hospital.	B	..	4,290	..	..	..	..	..	..	..	Estimate of Rs. 4,290 was sanctioned in G.O., No. 1384 W., dated 11th May 1888. Item No. 3, class C works, budget of 1889-90.
	Nilgiri .. Do. ..	Wellington. Do. ..	5 6	Officers' mess .. Constructing hut-barracks for 100 men.	B B	.. ..	30,000 30,000	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	Estimate is awaited. Estimate is awaited. Item No. 11, class C works, budget of 1889-90.
	Do. ..	Do. ..	7	Converting the Basquet court into a covered gymnasium for the use of the British Infantry regiment.	B	..	11,244	..	..	..	..	..	..	..	Estimate of Rs. 11,244 was sanctioned in G.O., No. 1893 W., dated 16th July 1889. Item No. 9, class C works, budget of 1889-90.
	West Coast.	Calicut ..	8	New barracks with subsidiary buildings.	B	..	21,000	..	..	..	..	..	..	..	Estimate is awaited. Item No. 14, class C works, budget of 1889-90.
	Presidency.	Fort St. George.	9	Constructing two rooms and bath-rooms on the second floor of Nos. 4 and 5 Field officers' quarters for the use of the offices of the Surgeon-General, Her Majesty's Forces, and of his Secretary.	B	..	4,915	..	..	..	..	..	..	..	Estimate of Rs. 4,915 was sanctioned in G.O., No. 2236 W., dated 16th August 1889.
	Bellary ..	Bellary ..	10	Re-roofing with Mangalore tiles the verandahs of the British Infantry barracks.	C	..	48,350	..	..	..	..	..	..	..	Estimate is awaited.

3

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. Major works. Works in progress.	Original Works. Major works. New works.	Original Works. Major works. Total.	Original Works. Minor works.	Original Works. Total.	Repairs.	Establishment.	Tools and plant.	Suspense.	Grand Total.	Remarks.
						RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	
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	..	3,500	..	..	..	..	..	..	..	..	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.
	Nilgiri ..	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.
(1) Accommodation for troops—Buildings	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. Major works. Works in progress.	Original Works. Major works. New works.	Original Works. Major works. Total.	Original Works. Minor works.	Original Works. Total.	Repairs.	Establishment.	Tools and plant.	Suspense.	Grand Total.	Remarks.
						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.

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. Major works. Works in progress.	Original Works. Major works. New works.	Original Works. Major works. Total.	Original Works. Minor works.	Original Works. Total.	Repairs.	Establishment.	Tools and Plant.	Suspense.	Grand Total.	Remarks.
						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.
	Nílgiri ..	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.
	Nílgiri ..	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 Ráyapuram.	C	..	4,300	..	..	..	..	..	..	..	..	Estimate of Rs. 4,300 was sanctioned in G.O., No. 1297 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.	Nílgiri ..	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. 2159 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	

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LIST of Military Works estimated to cost Rs. 2,500 each or under, and for which funds are required in the Public Works budget for 1890-91.

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.	Fort St. George.	I. room alterations for theatre.	1,000	When funds are available.
	Do. ...	Pipes to carry off main water from the barracks—Officers' quarters, &c.	990	Recommended.
	Do. ...	Improvements to military prison.	810	When funds are available.
	Do. ...	Constructing two solitary cells in the military prison.	2,445	Very urgently required.
	Do. ...	Constructing a verandah in front of the choultry gate now used as the Commissariat ration shed.	650	Necessary.
	Do. ...	D. block family quarters to be converted into permanent quarters for three Sergeant Instructors, Madras Volunteer Guards and Volunteer Artillery.	566	Approved.
	Madras ...	Huts, infectious disease—Station hospital.	750	When funds are available.
	Do. ...	Regimental school—Perambúr lines, Madras Infantry.	1,375	
	Do. ...	Shed to hold fire-engine at the Government Bakery.	820	Approved.
	Do. ...	Iron railings to passage in the Storekeeper-General's record-room — Commissary-General's office.	670	
	Do. ...	Drainage—Bakery premises ...	950	When funds are available.
	Do. ...	Gram-boiling shed—Mule lines.	1,500	
	Do. ...	Latrine for hospital—Ráyapuram lines.	1,000	Approved.
	Do. ...	Converting one Sub-Conductor's quarters, Commissariat Department, to Conductors' quarters by adding one room 18′ × 16′.	576	
	Do. ...	Store-room to 3 Warrant officers' and 4 Sergeants' quarters—Commissariat Department.	1,000	
	Do. ...	Additional latrine accommodation—Army Clothing Department.	536	
	Do. ...	Laying on Red Hills water in pipes to the quarters of the Conductor and Mechanical Engineer at the Government Bakery, Teynampet.	560	
	Do. ...	Constructing sick shed (50′ × 12′)—Transport Department.	1,200	Necessary.
	Do. ...	Constructing a weighing-shed (30′ × 20′)—Transport line, Pudupet.	1,200	
	Do. ...	Constructing a cistern to hold Red Hills water at the Government Bakery.	530	When funds are available.
	Do. ..	Constructing a slinging shed in the Body Guard lines.	836	

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List of Military Works estimated to cost Rs. 2,500 each or uuder, &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.*	Madras ...	Constructing verandahs in continuation of the existing verandahs of place-of-arms attached to (IX M.I.) the Ráyapuram lines.	2,310	Approved.
	Do. ...	Constructing an additional verandah to the wheat store-room of the Government Bakery at Teynampet	690	
	Do. ...	Latrine—Transport lines ...	950	
	St. Thomas' Mount.	Commissariat—Wells, &c., public cattle depôt.	1,200	When funds are available.
	Do. ...	Royal Artillery—Lightning-conductor, Magazine.	1,500	Most important.
	Do. ...	Closing up archway, gun-shed—P. Battery, 1st Brigade.	560	Very necessary.
	Do. ...	Constructing a second verandah to the harness-room attached to east barracks, Royal Artillery.	1,170	When funds are available.
	Do. ...	Constructing two store-rooms and two cook-rooms to recreation room, library and coffee-shop, east barracks.	700	Approved.
	Do. ...	Drains in stables, east barracks.	800	
	Do. ...	Coating the pillars of Royal Artillery stables, east and west barracks.	880	
	Do. ...	Constructing three line-gear rooms for Royal Artillery stables, east barracks.	1,140	
	Do. ...	Converting the vacant family quarters, south barracks, into quarters for medical subordinates doing duty at the station hospital.	1,070	
	Do. ...	Providing granite-stone flooring to the verandahs of the harness-rooms, west barracks.	540	When funds are available.
	Do. ...	A shed for shelter of bullocks...	700	Approved.
	Pallávaram ...	Tiled-shed	636	When funds are available.
	Do. ...	Store-room for regimental camp equipage—Madras Infantry Regiment.	1,500	Approved.
	Do. ...	Improvements to Sergeant Major's quarters.	1,300	When funds are available.
	Poonamallee...	Wall, new—Family quarters ...	1,000	When funds are available.
	Do. ...	Constructing new walls between the latrines of the family quarters.	730	
	Do. ...	Providing lightning-conductor to the station hospital.	2,400	
	Do. ...	Improving drains in cantonment.	1,500	Approved.
	Do. ...	Bullocks' shed—Commissariat Department.	510	
	Vizianagrum.	New magazine—Madras Infantry.	1,530	Very necessary.
	Do. ...	Improvements to hospital—Madras Infantry.	515	When funds are available.
	Do. ...	Improvements to ventilation—Madras Infantry.	545	

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.
	Do. ...	Stone-floor to gun-shed, &c. ...	1,160	Do.
	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	Necessary.
	Do. ...	North Station Hospital—Quarters for men of Army Hospital, Native Corps.	756	Necessary.
	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	When funds are available.
	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	Approved.
	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	Approved.

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	Necessary.
	Do. ...	Quarters for one first-class Purveyor, North Station Hospital.	800	Necessary.
	Do. ...	Quarters for one second-class Purveyor, North Station Hospital.	600	Necessary.
	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	When funds are available.
	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	Approved.
	Do. ...	Quarters for two Hospital Assistants for East Hutting lines.	2,165	Approved.
	Do. ...	Quarter-guard and Defaulter's room, East Hutting lines.	1,620	Approved.
	Do. ...	Quarter-guard and Defaulter's room, West Hutting lines.	1,620	Approved.
	Do. ...	Garrison Hospital—Conversion of old Apothecaries' quarters into quarters for six Hospital Assistants.	1,000	Approved.
	Do. ...	Alterations to Infirmary Stables.	747	Approved.
	Do. ...	Providing stone-flooring for working the guns in the bastions of the Agram entrenchment.	993	Approved.
	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	Very necessary.
	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	When funds are available.
	Do. ...	Compound wall with two gates to enclose female hospital attached to Station Hospital.	1,300	When funds are available.
	Do. ...	Compound wall for Medical subordinates' quarters—Station Hospital.	535	When funds are available.

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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.
	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	
Southern District.	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	

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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.	
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	
	Mangalore ...	Reflooring hospital—Madras Infantry.	695	When funds are available.
Belgaum District.	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	

3080/3081

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.

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

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1889} Madras.

PUBLIC WORKS.

Dated September, 30th.

Recd.

Encl.

G.O., 30th Sept. 1889, Nos. 2730, 2731 W.

3080-81 W

SEPTEMBER.

Imperial Military Works

Forwarding schedule of requirements on account of — for 1890-91.

11

Form No. P.D.

HEADING Accommodation for Troops — European 3080/3081

QUARTER MASTER GENERAL'S OFFICE,
Ootacamund,
15th October 1889.

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

No. 3567 A.

3080/3081

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

To
THE SECRETARY TO GOVERNMENT,
MILITARY DEPARTMENT.

SIR,

[illegible] letter No. 2773 D of the 9th ultimo [illegible] the Secretary to Government Public W[orks] Department, submitting 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, reference was made to the necessity which exists for increasing the barrack accommodation at Wellington, to provide for the young soldiers who are annually sent up to the Hills from Bangalore and Secunderabad, and a sum of Rs 30,000/- was included in the Class B schedule of works above alluded to, to admit at least of a commencement being made on the work in question.

2. There is at present authorised accommodation in the Wellington Bar[racks] for

4 Staff Sergeants
16 Single "
4 25 " men
84 Married Sergeants and men

12

These quarters have been occupied during the current year by:-

4 Staff Sergeants
8 single "
518 " men
and
48 families

Whilst 2 single sergeants and 136 men have been accommodated in tents during the season, an arrangement which, especially during the monsoons, is considered undesirable, as pointed out in my letter above quoted.

3. If, therefore, accommodation could be provided during the coming year, for 6 Sergeants and 144 men, [illegible] Excellency considers that at all [illegible] for the present, there would be sufficient [illegible] barrack room for all the young soldiers [illegible] to be sent to Wellington during the sickly months at Bangalore and Secunderabad, as well as for the men of the Convalescent Depôt, without the necessity for placing any of them under canvas.

4. The extra accommodation required at Wellington, the Commander-in-Chief proposes should be provided in the form of hut-barracks of the type of those contemplated in the papers circulated with Q.M.G. No. 4839 of 26th July 1888, but as the amount specified in para 1 of this letter* will provide huts for about 53 men only, at the rate of Rs 556/- per man, and as, with reference to the continued prevalence of enteric fever at Secunderabad and Bangalore, it is, in His Excellency's opinion, very desirable that proper accommodation [illegible]ld be provided at an early date for [illegible] whole of the men likely to be sent [illegible]nually to Wellington, thus avoiding

the

*P.W.D. No 2031 A of 6th idem

the necessity [illegible]ng any of them in a standing camp [illegible] during rainy weather, is fraught with [illegible]derable discomfort, I am desired to [illegible]t an application may be made to [illegible] Government of India, in view to a spec[illegible] grant being secured for the carrying o[illegible] of this work by an early date.

5. I am to a[illegible] that a site for these hut barracks will [illegible] selected which will admit of their future expansion, if desirable, to a number sufficient to accommodate a Battalion.

3080
3081

Sd/

I have the honor to be
Sir
Your obedient Servant
M. Protheroe Brig. General
Quartermaster General

NB [illegible]

13

Military (18) Dep

No.

From

THE QUARTER MASTER GENERAL,

To

THE SECRETARY TO GOVERNMENT,

MILITARY DEPARTMENT.

No. 3567 A

Dated 15th } October 1889

Received

- 2031.2 W d/ 6.7.88
- 2950 C d/ 6.8.88
- 2627 W d/ 27.8.88
- 502 W d/ 19.2.89
- 1281 C d/ 12.3.89
- 1489 W d/ 15.6.89
- 576 D d/ 15.8.89
- 3591 C d/ 10.8.89
- 2390 W d/ 29.8.89
- 39[illegible] C d/ 3.9.89
- 2730.1 W d/ 30.9.89

Recd. 28.10.89

ENCLOSURES. Nil

Suggesting that an application be made to the Govt: of India for the provision of a special grant at an early date for the construction of hut barracks for troops at Wellington.

No. 7259 of 89

Fort St. George

No. 7269. 22nd October 1889

Forwarded to the Public Works Dept. for favor of necessary action with reference to G.O. No. 2730 W dated 30 September 1889

H. S. [illegible]
Colonel
for Secy to Govt
Mily Dept

SECRETARY TO GOVERNMENT
23 OCT 89
P.W. DEPARTMENT, MADRAS.

No. 3080 W 3080/3081 B&R Irrig: ulkr.

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

~~October~~ November 1. 1889

READ the following

From the Qr. Mr. General. H.Q. No. 3567 A of 15th Oct 1889

Endorsement in the Mily. Dept. - No. 7267 of 22nd Oct 1889.

4

Ordered to be forwarded for the favorable consideration of the Govt. of India with reference to para 4 of the Quarter Master General's letter.

2. Meanwhile the Supdg. Engineer IV Circle will, with the least possible delay, submit plans and estimates for hut barracks to accommodate 6 Sergeants and 144 men at Wellington.

G.O. No. 3081 W d/ Nov. 1, 1889

Forwarded to the Govt. of India, Military Department.

To the Supdg. Engr. IV Circle
" Mily. Dept.

d 13/11

30.10.89 30.10.89

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3080/3081

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15

HW. 30. X. 84

Govt. of 18 Madras.

PUBLIC WORKS.

2/11/89

Dated

Recd.

$\frac{5^{0}}{3}$ $\frac{30}{11}$ G.O., 1 Nov 1889 No. $\frac{3080}{3081}$ W

Addl. Barrack accommodation at Wellington

=

Orders on letter from the Qr. Mr. Genl: urging the necessity for the early provision of — & requesting that application be made to the G of I for a special allotment of funds for the work —

Addl. Barrack accommodation at Wellington

Forward copy of Pro: on letter from the Qr Mr Genl urging the necessity for the early provision of — & requesting that application be made to the G of I for a special allotment of funds for the work —

(15)

2/11

2/11.

(1) பக்கங்களின் எண்ணிக்கை 30

(2) புதுக்கித் திருப்பிய நாள் 7-3-90

(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம் [illegible]

தமிழ்நாடு ஆவணக் காப்பகம்.

(2)

தமிழ்நாடு அரசு

P. W. D. துறை

அரசாணை எண். 3080
மு. கோப்புத் தாள் எண். 3081

அச்சகம்
பலவகை

நாள் : 1-11-1889 198

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

15. Sheets

Brittel Sheet 12, 13.

ஆவண: கா-1—18,006—15-6-87.

[illegible]

3080-81
3081

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

Read—the following paper :—

From Brigadier-General M. PROTHEROE, C.B., C.S.I., Quartermaster-General, to the Secretary to Government, Military Department, dated Ootacamund, 15th October 1889, No. 3567/A.

In my letter No. 2773 A of the 9th ultimo, to the Secretary to Government, Public Works Department, submitting 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, reference was made to the necessity which exists for increasing the barrack accommodation at Wellington, to provide for the young soldiers who are annually sent up to the Hills from Bangalore and Secunderabad, and a sum of Rs. 30,000 was included in the class B schedule of works above alluded to, to admit at least of a commencement being made on the work in question.

2. There is at present authorised accommodation in the Wellington Barracks for—

4 Staff Sergeants,
16 Single ,,
425 ,, men, and
84 married Sergeants and men.

These quarters have been occupied during the current year by—

4 Staff Sergeants,
8 Single ,,
518 ,, men, and
48 Families,

whilst 2 single Sergeants and 136 men have been accommodated in tents during the season, an arrangement which, especially during the monsoons, is considered undesirable, as pointed out in my letter above quoted.

3. If, therefore, accommodation could be provided during the coming year for 6 Sergeants and 144 men, His Excellency considers that at all events for the present, there would be sufficient barrack room for all the young soldiers likely to be sent to Wellington during the sickly months at Bangalore and Secunderabad, as well as for the men of the Convalescent Depôt, without the necessity for placing any of them under canvas.

4. The extra accommodation required at Wellington, the Commander-in-Chief proposes should be provided in the form of hut barracks of the type of those contemplated in the papers circulated with G.O., M.D., No. 4839* of 16th July 1888, but as the amount specified in para. 1 of this letter will provide huts for about 53 men only, at the rate of Rs. 556 per man, and as, with reference to the continued prevalence of enteric fever at Secunderabad and Bangalore, it is, in His Excellency's opinion, very desirable that proper accommodation should be provided at an early date for the whole of the men likely to be sent annually to Wellington, thus avoiding the necessity for placing any of them in a standing camp, which, during rainy weather, is fraught with considerable discomfort, I am desired to suggest that an application

* Public Works Department, No. 2031 W., of 6th idem.