Proceedings of the Madras Government, Public Works Department,
13th September 1875.

Read the following papers :—

No. 322. Proceedings of the Madras Government in the Military Department, dated 17th August 1875, No. 3,975.

No. 323. From the Officiating Director-General of Post Offices in India, dated 17th August 1875, No. 3,453.

No. 324. From the Director-General of Telegraphs in India, dated 28th Aug. 1875.

No. 324-A. Do. do. do. dated 10th Sept. 1875, No. 1,763.

No. 325. From the Government of India, dated 6th September 1875.

No. 326. ORDER THEREON, 13th September 1875, No. 2,645.

ACCOUNT, No. 10.

ORDERED that the following letter be sent :—

(Here enter No. 2,646, dated 13th September 1875.)

(True Extract.)

(Signed) G. W. WALKER, Major-General, R.E.,
Secretary to Government.

Exd. E. C. Shunker.
Spare Copies

GOVERNMENT OF MADRAS.

Schedule of the probable requirements of the Madras Presidency on account of Imperial Works for 1876-77.

Executive Division.	Projects. No.	Locality.	Description.	Amount of Estimate.	Computed Expenditure up to 31st March 1876.	Estimate, 1876-77.	No.	Remarks or References.
			ORIGINAL WORKS.	RS.	RS.	RS.		
Ganjam ...	1	Berhampore ...	Drainage of Regimental Lines ...	...	...	5,000	1	Estimate awaited.
Vizagapatam ...	2	Vizianagram...	Latrines, 12th Regiment Native Infantry.	...	...	2,900	2	Item No. 27 of Budget of 1875-76. Estimate awaited.
Bellary ...	3	Bellary ...	Additional Barrack for European Infantry.	95,600	90,750	4,800	3	G. O., No. 2,725-A, of 7th November 1873. Item No. 1 of Budget of 1875-76.
„ ...	4	„ ...	Altering old Garrison Battery Barracks into a Gymnasium.	3,162	...	3,100	4	G. O., No. 1,211, of 6th May 1874. Item No. 33 of Budget of 1875-76.
„ ...	5	„ ...	Canteen	23,500	...	23,500	5	G. O., No. 3,161, of 7th November 1874. Items Nos. 34 and 35 of Budget of 1875-76.
„ ...	6	„ ...	Recreation Room	27,380	...	27,300	6	
„ ...	7	„ ...	American Skittle Alley	4,520	...	4,500	7	G. O., No. 3,016, of 13th December 1870. Item No. 28 of Budget of 1875-76.
„ ...	8	„ ...	Two blocks of huts for hospital servants.	12,255	...	9,800	8	G. O., No. 1,393, of 18th May 1875. Item No. 30 of Budget of 1875-76.
„ ...	9	„ ...	Magazine, 4th Regiment Native Infantry.	4,300	...	4,300	9	G. O., No. 1,853, of 10th July 1874. Items Nos. 31 and 32 of Budget of 1875-76.
„ ...	10	„ ...	Do., 21st do. do. ...	4,300	...	4,300	10	
„ ...	11	„ ...	Latrines in 27th Regimental lines ...	...	...	5,200	11	Estimate awaited.
„ ...	12	„ ...	Water-supply Project	1,41,628	1,24,557	17,000	12	G. O., No. 3,118, of 2nd November 1874. Item No. 36 of Budget of 1875-76.
„ ...	13	„ ...	Artillery Gun shed	...	...	17,000	13	Estimate awaited.
Presidency ...	14	Chepauk ...	Conversion of the Public Works Workshop buildings into a Military Hospital.	2,35,050	30,000	70,000	14	Estimate submitted to Government of India with letter, No. 2,365, of 16th August 1875. Item No. 2 of Budget of 1875-76.

Schedule of the probable requirements of the Madras Presidency on account of Imperial Works for 1876-77.—(Continued.)

Executive Division.	Projects. No.	Locality.	Description.	Amount of Estimate.	Computed Expenditure up to 31st March 1876.	Estimate, 1876-77.	No.	Remarks or References.
			ORIGINAL WORKS.—(*Continued.*)	RS.	RS.	RS.		
Presidency ...	15	Madras ...	Additional quarters with out-houses for the European employés at the Gunpowder Factory.	...	...	7,500	15	Estimates awaited.
,, ...	16	Fort St. George.	Gymnasium for European Troops ...	...	...	5,000	16	
,, ...	17	Madras ...	Two Smiths' sheds at the Gun Carriage Manufactory.	16,700	...	16,700	17	G. O., No. 201, of 21st Jan. 1873. Items Nos. 38 and 39 of Budget of 1875-76.
,, ...	18	Poodoopett ...	Coal Godown at do. do. ... Entire set of new lines	...	...	50,000	18	Public Works Department.
Chingleput ...	19	Poonamallee...	A new double-storied Barracks for 200 men with out-houses.	...	...		19	Military Department, Rs. 60,000.
,, ...	20	,, ...	New quarters for 30 families with out-houses.	...	...		20	
,, ...	21	,, ...	New double-storied Hospital for 90 patients with out-houses.	...	...	40,000	21	Estimates awaited.
,, ...	22	,, ...	New quarters for Apothecary ...	...	...		22	
,, ...	23	,, ...	New Fives or Racket Court ...	...	...		23	
,, ...	24	,, ...	Alterations to existing buildings and demolitions.	...	...		24	
Bangalore ...	25	Bangalore ...	Third Pavilion for Race Course, Agram Hospital.	78,970	...	40,000	25	Sanctioned by Government of India, Register No. 58 M. G. O., No. 2,495, dated 18th October 1870. Item No. 42 of Budget of 1875-76.
,, ...	26	,, ...	Quarters for Resident Medical Officer do. do.	5,640	...	5,600	26	Do. do. Register No. 16 B. M. of 1871-72. G. O., No. 1,691, of 23rd June 1871. Item No. 43 of Budget of 1875-76.
,, ...	27	,, ...	Hospital Serjeant's quarters to 3rd Pavilion, Race Course.	2,850	...	2,800	27	G. O., No. 573, dated 27th February 1871, and No. 683 of 10th March 1875. Item No. 44 of Budget of 1875-76.
,, ...	28	,, ...	Dismantling and rebuilding the walls at the east, west, and south sides of the ruptured filter in Ulsoor Tank.	...	...	19,100	28	Estimates awaited.
,, ...	29	,, ...	Iron roof to cistern, Agram Barracks.	...	...	16,400	29	
,, ...	30	,, ...	Do. do., Ulsoor Barracks.	...	...	10,400	30	
,, ...	31	,, ...	Do. do., Bakery Square.	...	...	4,200	31	
,, ...	32	,, ...	Garrison Gymnasium	...	...	20,000	32	
,, ...	33	,, ...	Cost of road from Trinity Church to Agram Barracks.	9,200	...	9,200	33	G. O., No. 1,541, of 11th June 1874; and G. O., No. 683, dated 10th March 1875. Item No. 46 of Budget of 1875-76.
,, ...	34	,, ...	Drainage of Agram Barracks ...	40,400	10,000	15,000	34	G. O., No. 311, dated 10th February 1874; and No. 683, of 10th March 1875. Item No. 10 of Budget of 1875-76.
,, ...	35	,, ...	Two Magazines for Native Infantry Regiments.	5,700	...	5,700	35	G. O., No. 219, of 26th March 1873. Item No. 45 of Budget of 1875-76.
,, ...	36	,, ...	Additional room to Serjeant's Mess, Ulsoor Barracks.	...	...	3,200	36	Estimate under consideration.
,, ...	37	,, ...	Reconstructing quarters for Quartermaster Serjeant, do.	4,220	...	4,200	37	G. O., No. 1,670, of 14th June 1875.
,, ...	38	,, ...	Drainage blocks of Parade Barracks.	5,280	...	2,500	38	G. O., No. 1,630, of 23rd June 1875.
,, ...	39	,, ...	One block of stables for Cavalry ...	...	...	17,000	39	Estimate awaited.
Nilgiris ...	40	Wellington ...	No. 4 block of Barracks	1,41,430	54,759	80,000	40	G. O., No. 1,890, of 14th July 1874. Item No. 12 of Budget of 1875-76.
,, ...	41	,, ...	New Lock Hospital	13,400	...	13,400	41	G. O., No. 2,264, of 5th August 1875. Item No. 47 of Budget of 1875-76.
,, ...	42	,, ...	Lightning Conductors to Wellington Barracks.	15,350	7,000	8,300	42	G. O., No. 1,335, dated 10th May 1875.
Malabar ...	43	Cannanore ...	Improving drainage of European Infantry Barracks Square by laying down glazed pipes for waste water and open drains for rainfall.	7,700	...	7,700	43	G. O., No. 1,697, of 24th June 1874. Item No. 48 of Budget of 1875-76.
,, ...	44	,, ...	Converting No. 1 Range family quarters into guard-room and lock-up for the European Infantry Regiment.	13,750	...	13,700	44	Estimate under consideration.
,, ...	45	,, ...	Plunge-bath for the European Infantry Regiment.	3,170	...	3,100	45	Do. do. G. O., No. 1,826, of 10th June 1874, Military Dept. Item No. 50 of Budget of 1875-76.

Schedule of the probable requirements of the Madras Presidency on account of Imperial Works for 1876-77.—(Concluded.)

Executive Division.	Projects. No.	Locality.	Description.	Amount of Estimate.	Computed Expenditure up to 31st March 1876.	Estimate, 1876-77.	No.	Remarks or References.
			ORIGINAL WORKS.—(*Concluded.*)	RS.	RS.	RS.		
Malabar ...	46	Cannanore ...	Painting doors and windows of the Barracks, married quarters, and out-houses.	4,430	...	4,400	46	G. O., No. 126, of 26th May 1873. Item No. 51 of Budget of 1875-76.
Do. ..	47	Do. ...	Subsidiary buildings for Battery of Artillery.	26,830	...	18,300	47	G. O., No. 59, of 9th January 1874, and G. O., No. 2,127, of 30th June 1869.
Trichinopoly ...	48	Trichinopoly...	Reroofing European Detail Hospital.	...	...	5,400	48	Estimate awaited.
Do. ...	49	Do. ...	Gymnasium for Battery of Artillery.	...	...	3,000	49	Do.
			Grant for Minor Works the estimated cost of which does not exceed Rupees 2,500 each.	...	...	1,50,000		
			Repairs	....	...	2,50,000		
			Total ...	...	...	10,50,500		
			CIVIL BUILDINGS.					
			Postal Buildings.					
Presidency ...	50	Madras ...	New Post Office	5,02,202	...	50,000	50	Estimate provides for Telegraph Office, and was submitted to the Government of India, with letter, No. 886, of 3rd April 1875.
Malabar ...	51	Tellicherry ...	Do. do.	...	...	3,000	51	Estimates awaited.
Nilgiris ...	52	Ootacamund...	Additions to Post Office	...	...	10,000	52	
			Grant for Minor Works the estimated cost of which does not exceed Rs. 2,500 each.	...	...	10,000		
			Repairs	...	...	2,500		
			Total ...	...	...	75,500		
			Telegraph Buildings.					
Godavery ...	53	Cocanada ...	Signallers' Quarters	...	...	14,500	53	Estimate awaited.
Presidency ...	54	Madras ...	New Telegraph Office	...	...	50,000	54	See remark against Madras Post Office.
Nilgiris ...	55	Ootacamund...	Do.	...	...	10,000	55	Estimate under consideration.
Madura ...	56	Madura ...	Telegraph Office, Signallers' Quarters, and Out Houses	...	...	18,000	56	Estimate awaited.
			Grant for Minor Works the estimated cost of which does not exceed Rs. 2,500 each.	...	...	5,000		
			Repairs	...	...	2,500		
			Total...	...	...	1,00,000		
			MISCELLANEOUS WORKS.					
Godavery ...	57	Cocanada ...	Lighthouse	...	...	50,000	57	
Tinnevelly ...	58	Muttum ...	Do.	...	...	50,000	58	Estimates awaited.
Do. ...	59	Comorin ...	Do.	...	...	50,000	59	
			Grant for Minor Works the estimated cost of which does not exceed Rs. 2,500 each.	...	...	5,000		
			Repairs	...	...	2,500		
			Total ...	...	...	1,57,500		

Statement showing the probable amount that will be required in the Madras Presidency on account of Imperial Works, &c., for 1876-77 *under each head of service.*

	Original Works.			Repairs.	Establishment.	Tools.	Total.
	Major Works.	Minor Works.	Total.				
	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Military Works	6,50,500	1,50,000	8,00,500	2,50,000	2,62,625	31,515	13,44,640
Other Services.							
Postal Buildings	63,000	10,000	73,000	2,500	18,875	2,265	96,640
Telegraph Buildings	92,500	5,000	97,500	2,500	25,000	3,000	1,28,000
Miscellaneous Works	1,50,000	5,000	1,55,000	2,500	39,375	4,725	2,01,600
Total ...	9,56,000	1,70,000	11,26,000	2,57,500	3,45,875	41,505	17,70,880

Major-General, R.E.,
Secretary to Government.

PUBLIC WORKS DEPARTMENT,
OOTACAMUND, 13*th September* 1875.

No. 327.

No. 2,646.

FROM

MAJOR-GENERAL G. W. WALKER, R.E.,
Secretary to the Government of Madras,
Public Works Department,

To

THE SECRETARY TO THE GOVERNMENT OF INDIA,
Public Works Department.

ACCOUNT, No. 11.

SIR,—With reference to Public Works Department Resolution, No. 452 A. G., dated 7th August 1873, I am directed to forward, herewith, a Schedule prepared in the Form of Part II. of the Budget, showing the Imperial requirements on account of Public Works for the year 1876-77.

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

Major-General, R.E.,
Secretary to Government.

Encl. E. C. Shunket. *with statement*
Spare Copies

MILITARY DEPARTMENT.

Barracks and Buildings

No. 3975.

Proceedings of the Madras Government.

17 August 1875.

Read the following Paper:—

Quarter Master Genl's office,
Head Quarters, Ootacamund
11th August 1875.

No. 234
3045

From

Brigadier Genl. A. Howlett, C.B.,
Quarter Master General.

To

Colonel A. C. Silver,
Secretary to Government
Military Department.

Sir,

I have the honor, by order of the Commander-in-Chief, to forward for submission to Government Lists of Military "Major" and "Minor" Works to be provided for in the Public Works Budget Estimate of 1876-77 as far as funds will admit.

2. His Excellency especially recommends

recommends that funds may be allotted for the following works for execution in 1896-97.-

I. For one block of cavalry stables at Bangalore, with reference to O.f. No. 2229, dated 14th May 1895.-

II For Gymnasium 4th class at Bangalore, vide O.f. No. 3009/B 28th August 1866 + G.O.G. No. 366, dated 2nd Oct. 1866.-

III For Lightning conductors for the Wellington Barracks- balance of Estimate of Rs. 15-350 that may be needed to complete the work vide O.f. No. 1886, dated 3rd July 1895, P. W. D.-

IV For Artillery Gun shed, Bellary probable Estimate Rs. 19,000.-

I have &c.

(Signed) A. Hewlett Brig. General
Quarter Master General.

Order.- Communicated and the enclosures transferred to the Public Works Department for the issue of the necessary orders and the provision of funds.-

(True Extract)

Memorial

Secretary to Government

To,

The Public Works Department
with 2 Lists.

Quarter Master General

Go 28: Aug 5/76 No 619 A-619 B Mily Dept
Go 2 Dec - " 366 Mily Dept
Go 29: Aug 5/3 - 520-521.
" 23 Aug 5/4 - 584 D-584 E.
" 15 Sept - " 322 A & 322 B.
" 10 June 5/5 - 87 Mily
" 3 July " " 112-114.

P. W. 1875 Dept.
No: 5359

Pres: of the Madras Govt.
Mily. Dept.

Dated 17 Augt.
Recd. 20 " 1875.

No. 3975.
G. 2nd Mily. put up for C. No. 2197 of 76

Requesting the P. W. D. to provide funds for certain Military works in the Budget Estimate of 1876-77.

I. O. 2645. 17-9-75.

No 3433

From,

J. R. Hogg Esquire
Offg Director General
of the Post office of India.

To,

The Secy to Government Madras,
Public Works Department.

Dated Simla 17th August 1875.

Sir,

In accordance with the orders contained in the Resolution of Government noted on the margin*, I have the honor to make below the demands that will be made by this office for postal public works in Madras during the official year 1876-77 viz:-

*Govt of India P.W.D. No 422-39 A-G 7th August 1875.

	Major Works	Rs
Construction of a Post office at Tellicherry		3,000
Additions to Post office at Ootacamund		3,000
	Minor Works	10,000
		16,000

2. I trust further that you will be good enough to make suitable provision for funds likely to be spent in building the new General Post office at Madras during the ensuing official year.

I have the honor to be
Sir
Your most obedt Servant

For Offg Director General
of the Post Office of I.

P. W. 1875 Sept.
No: 5466

From

The Offg. Dr. Genl.
of the P.O. of India.

Dated 17 Augt. 1875.
Recd. 25 — 31875.

No: 3457.

Noting the demands
that will be made
for postal pub. works
in Madras during the
Offl. year 1876-77.

L.6. 2645. 13-9-75.

Augt 1875 Sept
No 5884

Telegram

From Dr. Genl. of
Telegraphs.
L.6. 2645. 13-9-75.

Dd 28 Augt 1875.
Rd do
No. 15 Sept.

Urging amount
to be included in Est.
Schedule for 1876/77
For Actg. Office.

Please register and
return.

Augt 1875 Sept
No 5884

Telegram

From Dr. Genl. of
Telegraphs.
L.6. 2645. 13-9-75.

Dd 28 Augt 1875.
Rd do
No. 15 Sept.

Urging amount
to be included in Est.
Schedule for 1876/77
For Actg. Office.

Please register and
return.

No 324

(D. from Calc. 29-9-75
P.W. Short & Sedit.

No. 323

Despatched 27-8-75 12 14-9-75

Extract from the Schedule of requirements of the Electric Dept. P. W. Public Works during 1876/77.

Province	Division	No.	Name & locality of proposed work	Amount of Estimate	Amount required during the year 1876/77	Amount required during 1877/78 & subsequent years	Remarks.
Madras	Executive Engineer Cuddalore	1	Telegraph Office Madras	—	50,000		A sum of Rs 100000 was asked for this work in last year's Estimate, as however no decision had been arrived at by the Government of India regarding the proposal to grant railway & canal, but made its assignment of Rs 50,000/- this reduced grant does subsequently withdrawn the project has therefore been again brought forward and they strongly to recommend that Rs 50,000/- be granted the work is very urgent and this highly desirable Rs the Building should be got ready as soon as practicable performance may extend into the year 1877/78 is likely to be expended.
	Cuddalore Division	2	Signalling Quarters Cuddalore	14,500	—		
					14,500		

The Office at Cuddalore having proved quite inadequate to accommodate the signalling establishment necessarily maintained at that station, the Master Gunner has been asked to examine the proposition of the plans and estimates of a separate building for the accommodation of two of the signallers as an supervised with quarters - and has also asked to include provision for the work of the same in the Imperial Works 1876-77. A suitable site of ground has been selected, close to the Railway and the work of which is approximately estimated at Rs 14,500 by the District Engineer Cuddalore. Survey for the Office

Extract from the Schedule of requirements of the Telegraph Dept. in Public Works during 1876/77 Continued

Province	Division of Public Works	No. of Work	Name & locality of proposed Work	Amount of Estimate	amount if any likely to be expended upto 31st March '77	amount required during the ensuing official year.
Madras	Madura District	3.	Erection of a Telegraph Office; Signallers Quarters and outhouses, at Madura. Not contained in the Schedule named in the Margin			18,000-
Do	Nilgiris District	4.	Telegraph Office at Dotacamund Not contained in the Schedule named in the Margin			20,000.

Remarks.

experienced by the Signallers in obtaining accommodation in Coconada, it is most desirable that this work should be undertaken without delay.

In consequence of certain alterations in the whole system of Telegraphs in Southern India about to be submitted for sanction a Telegraph Office will have to be established at Madura. Estimates have been asked for but have not yet been received. It is calculated that the sum entered here will be required during 1876-77.

The Office at Dotacamund has for several years past been located in a house belonging to, and occupied by, Mr. Knops, formerly in the Dept. and in charge of the Office. When this station was inspected by the Deputy Director General early in 1872, he found that the accommodation provided for public purposes was very unsufficient and the technical arrangements faulty and incomplete. It was therefore decided to take steps to remove the Office to another building, and Mr. Knops having since left the Dept, this course, became the more necessary as it is extremely undesirable to allow

an

Extract from the Schedule of requirements of the Telegraph Dept. in Public Works during 1876/77 - Continued.

Province	Division of Public Works	No. of Work	Name & locality of proposed Work	Amount of Estimate	amount if any likely to be expended up to 31st March 1876	amount required during the ensuing official year.	Remarks.
							an important Telegraph Office to remain in the dwelling house of a person unconnected with the Dept and not subject to its regulations. Various efforts have been made to secure a suitable house on rent but without success, and correspondence has passed with the Govt. of Madras on the subject of building a house. The last orders of that Govt. are to the effect that the Commissioner of the Nilgiris is to submit a report on the question of a site and the District Engineer is to report whether it will not be practicable to combine a Telegraph Office with the existing Post Office at Ootacamund. A grant of Rs. 20000/- has, by desire of the Madras Govt., been included in this Schedule to provide for execution of the work as soon as the course to be adopted is definitively decided. The work is an urgent one and the grant will, I hope, be made.

True Extract

R. Murray Lt Coll
Offg Div: Genl of Tels in India

No. 1763

FROM

THE DIRECTOR GENERAL OF TELEGRAPHS IN INDIA,

To

THE SECRETARY TO THE GOVERNMENT OF ~~INDIA~~, Madras

PUBLIC WORKS DEPARTMENT.

Simla, the 10th of September 1875.

Sir,

I have the honor to forward an Extract from the schedule of requirements of this Dept in Public Works during 1876/77 containing Works required in the Madras Presidency, and to request the favor of the necessary provision being made for them in the provincial Schedule of the ensuing official year.

I have the honor to be
Sir,
your most obedt servant,

R. Murray Lieut Col

Dy Director General of
Telegraphs in India

P. W. 1875 Depth.
No: 5962

From

The Dr. Genl. of
Telegraphs in India

Dated 10th Septr. 1875
Read. 17th " 1875.

E. I. No: 1762.

Forwarding an Extract
from the Schedule of
Requirements of the
Telegraph Deptt in
Pub: Works during 1876-77.

S. O. No: 2645 D 5-75.

Extract from Schedule of Requirements of the Telegraph Department in Public Works during 1876-77.

Sd/- Septr/75 No 322 to 322 H
Insts sigl Cl No 5526 E-1
- 3d Capl/75 Nos 65 to 67.
- 2d June " " 27-28.
- 2d Capl " " 55-56.
- 31st Augt " " 609-610.
- 6th Augt " " 114-115
- 15th Capl " " 370-371.
- 27th July " " 310-311.
- 23d Augt " " 158 Insts sigl

No 325 324 to 326

Despd to Govt 18-9-75.

The undersigned has the honour to acknowledge the receipt of the letter noted in the margin and to forward herewith the Return called for by the Government of India.

R.P.

Military Works for entry in the Public Works Budget of 1876/77 prepared from Lists received from Divisions.

Description of Buildings &c. and for what Corps or Department needed.	Sanctioned Works in actual progress for which an Allotment in the Budget is required for Expenditure in 1876/77.	Sanctioned Works not commenced and for which an allotment is now asked in 1876/77.	New Works not yet sanctioned which in the opinion of the Commander in Chief are for expenditure urgently required.	Total Allotment required for each work in the Budget of 1876/77	Orders of Government bearing reference to the Works or remarks as to the necessity of the buildings
Alsoor Water Works.					
For dismantling and rebuilding the walls at the East, West, and South sides of the ruptured Filter in the Alsoor Tank — Estimate 19.100	"	Approximate 19.100	Public Works	19.100	O.G. No. 2456 - 22nd May 1875 - Urgently required - It is hoped that funds will be provided for this work in Current year 1875-76.
Cavalry.					
For providing Iron roof to Cistern Agram Barracks - Estimate 16450	"	Approximate 16450	European Cavalry	16450	O.G. No. 1158 - 11th March 1875 - Most necessary for the purity of the water.
1 Block of Stables for Cavalry - Estimate 17.000	"	European Cavalry	17.000	17.000	O.G. No. 2229 - 14th May 1875.
Royal Horse Artillery					
For providing Iron roof to Cistern Royal Horse Artillery Alsoor Barracks - Estimate 10420	"	Approximate 10420	European Artillery	10420	O.G. No. 1158 - 11th March 1875 - Most necessary for the purity of the water.
Commissariat Department.					
For providing Iron roof to Cistern Bakery Square - Estimate 4230	"	Commissariat 4230	-	4230	do do
European Infantry.					
Drainage of Agram Barracks - Estimate 40.000	30.400	European Infantry	-	30400 / 15000	O.G. No. 311 - 10th February 1874.
Cost of road from Trinity Church to Agram Barracks - Estimate 9.200		Cantonments 9200		9200	O.G. No. 1541 - 11th June 1874 - Urgently required and long asked for.
Royal Horse Artillery					
Stabling for 182 Horses - Estimate 33610		European Artillery 33610	-	33610	O.G. No. 2920 - 14th September 1868 - Urgently required and long asked for.
Royal Artillery Agram Barracks					
Stabling for 220 Horses - Estimate 42920		do 42920	-	42920	O.G. No. 3540 - 13th November 1868 - Urgently required and long asked for.
Royal Horse Artillery.					
For an additional Room to the Serjeants Mess, Head Quarters of a Brigade and 1 Battery R.H.A. Alsoor Barracks - Estimate 3260		do Approximate 3260	-	3260	O.G. No. 2498 - 24th May 1875 - Urgently required, the existing accommodation being insufficient.
For re-constructing Quarters for Quarter Master Serjeant R.H.A. Alsoor Barracks Estimate ~~6000~~ 4220		do ~~6000~~ 4220 Sanctioned	-	~~6000~~ 4220	O.G. No. 2598 - 12th August 1874 -
Native Infantry.					
Two Magazines for Native Infantry Regiments - Estimate 5700		Native Infantry 5700	-	5700	O.G. No. 852 - 7th March 1873 - Sanction for this work cancelled and the allotment credited to the Reserve - Vide O.G. No. 1552 - 12th June 1874 - Should now be provided for - No outlay recommended by the Commander in Chief until orders of Government are received - Vide O.G. No. 3102 - 2nd October 1874

Station.

Description of Buildings &c — and for what Corps or Department needed:	Sanctioned Works in actual progress for which an Allotment in the Budget is required for Expenditure in 1876/77.	Sanctioned Works not commenced and for which allotment is now asked for Expenditure in 1876/77.	New Works not yet sanctioned which in the opinion of the Commander in Chief are urgently required.	Total Allotment required for each work in the Budget of 1876/77.	Orders of Government bearing reference to the Works or remarks as to the necessity of the building.
	36400	149110	38500	198290	
3d Pavilion for Race Course Agram Hospital - Estimate 78970	Europn Cavalry	40000		40000	O.G. No 2168 - 9th Sept 70. Sanction of the Construction of 3d Pavilion being accommodation for the Resident Medical Officer and Hospital Sergeant will be necessary
Quarters for Resident Medical Officer Race Course Agram Hospital - Estimate 5640.	Europn Officers	5640		5640	O.G. No 1691 - 23d June 71.
Hospital Sergeants Quarters to 3d Pavilion Race Course (Agram) Estimate 2850.	Europn Cavalry	2850		2850	O.G. No 573 - 27 Feby: 1871 - Only 2 built in 1871-72.
European Infantry					
Drainage Blocks of Barracks Estimate 5280	Europn Infantry	2500		2500	O.G. No 1630 - 23d June 1873.
Native Infantry					
Lines for 2 Regiments N.I. Estimate 120000 + 160000	Native Infty	120000		120000	O.G. No 763 - 16 Feby: 1875. Lines for 1 wing completed. The construction of the remaining lines in abeyance. Vide O.G. No 763 - 16 February 1875.
Drainage for do Estimate Rs 400	Native Infantry	10000		10000	O.G. No 126 - 26 May 1873
Garrison					
Military Prison - Estimate 119600		119600	Miscellaneous	119600	O.G. No 352 - 5 Feby: 1872.
G.O. C.C. No 352 Copies for plans & estimates which have not been submitted					
A stone wall enclosed round Military Prison - Estimate 22100		22100	Miscellaneous	22100	O.G. No 1114 - 28 March 1873.
36th Regiment N.I.					
For constructing 4 Latrines for 36th N.I. Viz: 3 for Males, and 1 for Females - Estimate 5040		5040	Native Infantry	5040	O.G. No 1936 - 18 July 1874.
Royal Horse Artillery.					
New Wall round Forage - Estimate 2520			Europn Horse Artillery	2520	Approved by the Commander in-Chief when funds are available.
New Infirmary Stables - Estimate 10000			Do	10000	do do
New Harness Room - Estimate 4500			Do	4500	do do
Cantonment.					
New Magazine - Estimate 6,00,000			Ordnance	6,00,000	O.G. No 3576 - 11th Nov: 1872 - Approved by the Commander in-Chief when funds are available
Roads and Terracing at Race Course Estimate 10000			Cantonment Roads	10000	Not provided for in the orginal Estimate and very necessary - Approved by the Commander in-Chief when funds are available.
Sappers and Miners.					
Prolongation of present store room to end of Barrack Square - Estimate 5500			Native Infantry	5500	Approved by the Commander in-Chief when funds are available.
Latrines for the Regiment, 2 for Males and 2 for Females - Estimate 5040.			Do	5040	do do
Commissariat Department.					
A Cart shed 90 × 25 at Kar Kana - Estimate 4500			Commissariat	4500	do do
	162900			68080	

Mysore Division — Bangalore — Stations — Wellington

Description of Buildings &c. and for what Corps or Department needed.	Sanctioned Works in actual progress for which an allotment in the Budget is required for expenditure in 1876/77.	Sanctioned Works not commenced and for which an Allotment is now asked for expenditure in 1876/77.	New Works not yet sanctioned which in the opinion of the Commander in chief are urgently required.	Total Allotment required for each work in the Budget of 1876/77.	Orders of Government bearing reference to the works or remarks as to the necessity of the building.
	162 920		680560	1168080	
Wall round Kar Kaza - Estimate 8200			8200	8200	Much required.
Saddle Rooms for Mule Furniture Estimate 7000 Royal Artillery Race Course (Agram.)		Exclusively Artillery	7000	7000	G.O. No 1747 - 11 May 1869 - approved by the Commander in chief when funds are available.
1 School Room - Estimate 5000.		Do	5000	5000	Necessary to complete the scheme of accommodation - This building is much required owing to the scanty accommodation to the R. H. A. School room.
European Infantry. Quarters for School Master and School Mistress - Estimate 7000.		European Infantry	7000	7000	Required to complete the scheme of accommodation.
To complete Parapet Wall round Barrack Limits - Estimate 7000.		Do	7000	7000	This is necessary, the North and East sides being defined by an old round wall
Lining with stone drains, East and West of Barrack Limits - Estimate 4000		Do	4000	4000	To prevent the ditches wearing into unsightly Nullah.
New Armourer's shop - Parade Barracks - Estimate 5400.		Do	5400	5400	Very necessary
Royal Horse Artillery. Drainage of Barracks - Estimate 4400		European Artillery	4400	4400	It would tend to the salubrity of these Barracks if a complete scheme of drainage were carried out.
Garrison Gymnasium 4th Class - Estimate 30000		Accommodation for Garrison purposes	30000	30000 20000	Approved by the Commander in chief and allotment of Funds required in 1876/77 - Vide G.O. No 3009 B - 28th August 1866 - G.O. No 366 - 2nd October 1866.
Cavalry. 1 Quarter for Band Master Sergeant Estimate 5000		European Cavalry	5000	5000	Approved by the Commander in Chief when funds are available.
European Infantry. 1 Quarter for Band Master Sergeant Estimate 5000		European Infantry	5000	5000	——— do ——— do ———
No 4 Block of Barracks - Estimate 141430	50000			50000	G.O. No 2451A - 28 Augt 1874 - In progress
+ Sanctioned G.O. No 1477 dd 5/10/74		provided for budget of 1875/76			
New Latrines on Dry Earth System Estimate 3750	3750	Accommodation for Garrison purposes		3750	G.O. No 999 - 25 March 1874 -
New Sick Hospital - Estimate ~~13720~~ 13400	13720	Sanctioned No 2264 dd 5/8/75		13400	G.O. No 823 - 11 March 1874 - Necessary
Bath room & Wash houses - Estimate 3120	3120	+ 2300 provided under		3120	G.O. No 1472 - 4 June 1874 - Do
Lightning Conductors & Wellington Barracks Est. Rs 15350 Sanctioned in	8350	G.O. No 1335 dd 10/5/75 + 1000 allotted in G.O. No 1886 of 3/7/75		8350	G.O. No 2380 - 19 May 1875
	221250	1820	765563	1335020	

Description of Buildings &c. and for what needed.	Sanctioned Works in actual progress for which an allotment in the Budget is required for expenditure in 1876/77.	Sanctioned New Works not commenced and for which an allotment is now asked for in the Budget for expenditure in 1876/77.	Total allotment required in the opinion of the Commander in Chief are urgently required.	Orders of Government bearing reference to the works or remarks as to the necessity of the buildings.
Wellington — Inspd. Kowloon — Inspd. Colonel Mylius				
Carried forward		7,685 60	13,35,820	
Stone Drains to receive the water from the pipes to prevent the removal of earth from the foundations of the Barracks — Estimate 4000.	"	4000	4000	This is very necessary work, a short length at the S.W. Corner of the Barracks has been so treated and found to answer admirably. Recommended by Genl. Officer Commanding.
New Wash houses fitted with Boilers &c. drying and Ironing rooms for Married Quarters — Estimate 3300.	"	3300	3300	Recommended — Washing and Ironing having to be done in the Quarters in which they live in the wet weather.
B/20th Royal Artillery.				
Gun Shed — Additional Remarks for European Sergeants — Estimate No. 23 of 1875/76 — Original Estimate No. 1 of 1875/76 — Sanctioned	"	European Artillery 17,000	17,000	Much required. The present Gun sheds are unsuitable — The bays are too small to allow Gunners to move round the Carriages for the purpose of cleaning them properly and are not sufficiently deep to afford proper protection. —
Wheeler and Collar Makers shop — Water Supply Project not Sanctioned — Estimate No. 16 of 1875/76 — Sanctioned in G.O. No. 36 of 1875/76 — Estimate No. 3 of 1875/76	Do 17,000	Balance of Estimate still to be provided	7000	Much required. There are at present no shops, temporary arrangements to have been made to meet this requirement. Will be provided for in Gun Shed and this outlay saved — Vide 2nd Genl. Letter to Govt. No. 250 Stamped 1875
Store Room —		Balance of Estimate still to be provided	5,500	Needed for safe keeping of Clothing, Government Stores and Necessaries — Will be provided for in new Gun Shed and this outlay saved — Vide 2nd Genl. Letter No. 250 — 5th August 1875
Ceded Districts — Ballary — H.M. No. 48th Regiment.				
Recreation Room — 27,380 Sanctioned — in G.O. No. 35 of [illegible]	27,380		27,380	G.O. No. 261 — 29th Jany/75 P.W.D. — To be constructed on Standard Plan —
Canteen Estd 23,5 — as above No. 34	23,500		23,500	do do do
Latrine for Guard and School &c. — 288 Sanctioned G.O. No. 723 of 15/3/75 = Rs. 2880 allotted in G.O. No. 1393 of 15/5/75 = Item 29 of Estimate	~~288~~		2880	G.O. No. 723 — 15th March 1875 —
Huts for Hospital Servants — Remarks — Estd No. 116 — amended No. 12255 — Sanctioned in G.O. No. 1393 of 15/5/75	9820		9820	G.O. No. 1393 — 18 May/75 — Much required
Skittle Alley — Estimate No. 3162 — Sanctioned in G.O. No. 1393 of 15/5/75	4520		4520	G.O. No. 3016 — 13 Decr. 1870 — Urgently required as there is no Skittle Alley the want of one is much felt for the amusement of the men. —
21st Regiment N.I.				
New Magazine with Asphalte Floor — Estd — Rs. 4300 entered in Estimate Book of Budget 1875/76	4300		4300	G.O. No. 1853 — 10th July 1874 — The Magazine now in use is not capable of containing half full allotment of Ammunition — No outlay recommended by the Commander-in-Chief until orders of Govt. are received — Vide O.G. No. 3102 — 2nd Octr. 1872.
2 Latrines required to be erected in the Regimental Lines — G.O. quoted as above have as yet been given for the work	5200	Infantry	5200	G.O. No. 159 — 14th April/75 — Much required there being no latrine whatever for use of the men. —
27th Regiment.				
New Magazine built — Estd of Rs. 4300 entered in Estimate Book of 1875/76	4300		4300	G.O. No. 1853 — 10th July/74 — The Magazine now in use is not capable of containing half full allotment of Ammunition — No outlay recommended by the Commander-in-Chief until orders of Govt. are received — Vide O.G. No. 3102 — 2nd October 1872. —
Commissarial Department.				
3 Sheds for Bullocks —	Commissarial 6000		6000	Much required for the proper shelter of the Government Cattle which was evident during the late murrain amongst the bullocks. —
	27,380	8,11,560	14,69,620	

Description of Buildings &c. and for what Corps or Department needed.	Sanctioned Works in actual progress for which an allotment in the Budget is required for expenditure in 1876/77.	Sanctioned Works not commenced and for which the allotment is now asked for expenditure in 1876/77.	New Works not yet sanctioned which in the opinion of the Commander-in-Chief are urgently required.	Total Allotment required for each work in the Budget of 1876/77.	Orders of Government bearing reference to the Works or remarks as to the necessity of the building.
		247720	211560	1460620	
Shed for the protection of Gun Carriages 2nd Ordnance Department.	Ordnance		2500	2500	Urgently needed.
A new Guard room, lock up, and 3 Cells for the Detachment British Infantry including Wash house and Privy	European Lyte		14000	14000	Necessary. The existing Prison accommodation makes it difficult properly to carry out punishment of Offenders.
Stables for the Battery of Artillery	European Artillery	17500		17500	O.G. No 4314 - 2nd Decr: 1864. " " 398 - 11th Feby: 1866. " " 3780 - 3rd Decr: 1868. " " 1196 - 12th April 1869. Necessary
One Barrack for the accommodation of 15 Men Royal Artillery.	Do		3750	3750	Necessary. The present building can only accommodate 128 Men, whereas space is required for 143 Men.
Re-roofing the European Detail Hospital			5400	5400	Necessary. Vide O.G. No 3382 - 14th Octr: 1874, M.D. sanctioning approximate Estimate.
Gymnasium for the Battery of Artillery	European Artillery		3000	3000	O.G. No 436 - 31st June 1865. " " 14 - 5th Jany: 1870. " " 160 - 14th " 1870. Necessary.
Harness Room for the Battery of Artillery	-	-	2500	2500	Necessary. The room at present in use being so small as to admit of no cleaning being performed therein.
Sergeants Mess for the Battery of Artillery	-	-	3500	3500	Necessary.
School rooms, one for Adults and one for Children, for the Battery of Artillery	-	-	5500	5500	Necessary. The building now used as a school room was originally constructed for a Coach House and has been used as a Canteen and Harness Room, is most unsuited for a school room, but is the only building available.
Latrines for Males and Females in the lines of the 24th Regiment N.I. with earth store and Cart Shed.	-	-	2600	2600	Absolutely necessary on Sanitary grounds.
Latrine for Native Regiment with Well	-	-	3150	3150	do do
Drainage of Regimental Lines	-	-	5000	5000	O.G. No 4083 - 15th Decr: 74 - The necessity for this work is shewn in the correspondence recorded in the above quoted Proceedings of Government. It is also adverted to in the Deputy Surgeon General's Report on the Station.
Re-roofing the Place of Arms.	-	-	2500	2500	The state of the present Roof is considered by the Assistant Engineer as dangerous, and authority has been passed for the Arms of the Native Regiment to be lodged in Hired Buildings.
			264710	1531520	

Description of Buildings &c. and for what Corps or Department needed.	Sanctioned Works in actual progress for which an allotment in the Budget is required for expenditure in 1876/77.	Sanctioned Works not commenced and for which the allotment is now asked for expenditure in 1876/77.	New Works not yet sanctioned which in the opinion of the Commander-in-Chief are urgently required.	Total Allotment required for each work in the Budget of 1876/77.	Orders of Government bearing reference to the Works or remarks as to the necessity of the building.
		247720	211560	1460620	
Shed for the protection of Gun Carriages 2nd Ordnance Department.	Ordnance		2500	2500	Urgently needed.
A new Guard room, lock up, and 3 Cells for the Detachment British Infantry including Wash house and Privy	European Lyte		14000	14000	Necessary. The existing Prison accommodation makes it difficult properly to carry out punishment of Offenders.
Stables for the Battery of Artillery	European Artillery	17500		17500	O.G. No 4314 - 2nd Decr: 1864. " " 398 - 11th Feby: 1866. " " 3780 - 3rd Decr: 1868. " " 1196 - 12th April 1869. Necessary
One Barrack for the accommodation of 15 Men Royal Artillery.	Do		3750	3750	Necessary. The present building can only accommodate 128 Men, whereas space is required for 143 Men.
Re-roofing the European Detail Hospital			5400	5400	Necessary. Vide O.G. No 3382 - 14th Octr: 1874, M.D. sanctioning approximate Estimate.
Gymnasium for the Battery of Artillery	European Artillery		3000	3000	O.G. No 436 - 31st June 1865. " " 14 - 5th Jany: 1870. " " 160 - 14th " 1870. Necessary.
Harness Room for the Battery of Artillery	-	-	2500	2500	Necessary. The room at present in use being so small as to admit of no cleaning being performed therein.
Sergeants Mess for the Battery of Artillery	-	-	3500	3500	Necessary.
School rooms, one for Adults and one for Children, for the Battery of Artillery	-	-	5500	5500	Necessary. The building now used as a school room was originally constructed for a Coach House and has been used as a Canteen and Harness Room, is most unsuited for a school room, but is the only building available.
Latrines for Males and Females in the lines of the 24th Regiment N.I. with earth store and Cart Shed.	-	-	2600	2600	Absolutely necessary on Sanitary grounds.
Latrine for Native Regiment with Well	-	-	3150	3150	do do
Drainage of Regimental Lines	-	-	5000	5000	O.G. No 4083 - 15th Decr: 74 - The necessity for this work is shewn in the correspondence recorded in the above quoted Proceedings of Government. It is also adverted to in the Deputy Surgeon General's Report on the Station.
Re-roofing the Place of Arms.	-	-	2500	2500	The state of the present Roof is considered by the Assistant Engineer as dangerous, and authority has been passed for the Arms of the Native Regiment to be lodged in Hired Buildings.
			264710	1531520	

Vizianagram Malabar and Canara

Description of Buildings &c. and for what Corps or Department needed.	Sanctioned Works in actual progress for which an allotment in the Budget is required for expenditure in 1876/77.	Sanctioned Works not commenced and which an allotment is now asked for expenditure in 1876/77.	New Works not yet sanctioned which in the opinion of the Commander in Chief are urgently required.	Total allotment required for each work in the Budget of 1876/77.	Orders of Government bearing reference to the Works or remarks as to the necessity of the building.
		315-220	55,710	1,531,520	
4 Public Latrines, Viz: 2 for Men and 2 for Women on dry Earth System. —	Native Infantry	2900		2900	O.G. No. 148 - 23d Jany. 1874 - Much required - The Estimate sanctioned is for one on the Standard plan, but divided, one for Men and one for Women. For each Wing would be far preferrable - One sanctioned vide O.G. No. 148 - 23d Jany. 1874, for Rs 745, not commenced for want of funds
Subsidiary buildings for Battery of Artillery, Viz: Library - Orderly Room and Verandah room - Two extra store Rooms - Sergeants Mess - Caterers room - Pantry and Beer Godown - Workshop - Skittle shed - Plunge Bath - Dry Earth shed - Estimate 18360	European Artillery	18360	L.G.B. No 59 P.W. Book Architect - Remarks called for from Officers	18360	O.G. Nos 2127 - 30th June 1869 and 3224 - 4th November 1870 - 59 - 9th January 1874 P.W.D. - 122 - 13th Jany: 1874 M.D. - Urgently required —
Improving Drainage of European Infantry Barrack Square by laying down Glazed Pipes for waste water and open drains for Rain fall — Estimate ~~7882~~ 7700	European Infantry	~~7882~~ 7700		7988	O.G. Nos 1072 - 25th March 1873, and 3218 - 29th September 1873 - 1697 - 24 June/74 P.W.D. - M.D. No. 2114 - 6th July 1874. —
		1500			
Demolishing No 1 Range Family Quarters and making a new Guard Room and Lock up for European Infantry Regiment - Estimate 13750	European Infantry	13750		13750	O.G. Nos 1072 - 25th March 1873 and 3218 - 29th September 1873 and 1697 - 24th June 1874. —
Plunge Bath for the European Infantry Regiment - Estimate 3170	European Infantry	3170		3170	O.G. No. 1826 - 10th June 1874 -
Boarded Floors to be substituted for present Brick ones in Married Quarters European Infantry Regiment - Estimate 20,570	European Infantry			20,570	A large portion of the Floors are nearly worn out - Boarded Floors would be an undoubted improvement.
Two additional Staff Sergeants Quarters for European Infantry Regiment Estimate 7000				7000	There are at present no proper Quarters for the Band Master or Sergeant Instructor of Musketry -
European Hospital for Troops to be boarded in lieu of stone Flagging - Estimate 6500.				6500	Much moisture exudes during the monsoon from the stone flagging and thus it is unfavorable to health -
A Reading and Prayer Room for European Infantry Regiment. Estimate 7000				7000	Required in accordance with Circular from Q.M. Gen. No 5926 - 30th Sept. 1870 approved by the Commander-in-Chief but must be postponed. —
Latrines and Dry Earth stores for 2 Native Infantry Regiments - Estimate 14200	Native Infantry	14200		14200	O.G. Nos 352 - 1st Feby: 1868 and 3234 - 4th Nov: 1870 - Approved by the Commander in Chief when Funds are available
Punkahs for European Barracks Estimate - 13850 -	European Infantry	13850		13850	O.G. No 3751 - 14 Dec 1868 - 40 - January 1870 and 3234 - 4th Nov
		38,250	867,610	1,646,520	

Stations.

Description of Buildings &c and for what Corps or Department needed.	Sanctioned Works in actual progress for which an allotment in the Budget is required for Expenditure in 1876/77.	Sanctioned Works not commenced and for which an allotment is now asked for Expenditure in 1876/77.	New Works not yet sanctioned which in the opinion of the Commander in Chief are urgently required	Total allotment required for each work in the Budget of 1876/77.	Orders of Government bearing reference to the Works or remarks as to the necessity of the buildings
Painting Doors and Windows of Barracks Married Quarters and Out-houses, European Infantry Regiment - Estimate 4430	—	4430	—	4430	G.O. Nos. 1348 - 19th April 1872 and 1266 - 6th May 1873.
A Gymnasium for European Infantry Regiment - Estimate 10,000	—	—	—	10,000	All these Buildings are considered necessary for a Regiment of British Infantry Approved by the Commander in Chief, but must be postponed for the present.
A Theatre for European Infantry Regiment - Estimate 10,000	—	—	—	10,000	
A Double Fives Court for European Infantry Regiment - Estimate 6,000	—	—	—	6,000	
A Double Skittle Alley for European Infantry Regiment - Estimate 5400	—	—	—	5,400	
Asphalting Floors, Filling up archway and removing Partition Wall in School Room European Infantry Regiment - Estimate 3800.	—	—	—	3800	Recommended by Superintendent of Army Schools.

Malabar and Canara — Commander in Chief

S. Canara Mangalore

A Rifle Range with Butts for the Native Infantry Regiment - Estimate 6281 — — 830 — *830 — *Deduction Rs 5451 - Compensation to be paid by Mily: Dept: for land - O.G. Nos. 1896 - 16 June 1874 - 2967 - 10 Sept 1874 - 2874 - 17 June 1875.

Three Latrines in lieu of the three imperfect ones for the Native Infantry Regiment at Mangalore - Estimate 2700 — — — — 2700 — These are considered very necessary the present ones being in very bad order approved by the Commander in Chief when funds are available.

Malabar Cannanore

Asphalting Verandahs in Married Quarters and Lavatories and Boarding Floors of Married Quarters, Barrack Room and Hospital - Estimate 4800 — — 1950 — 1950 — These improvements are considered very necessary - O.G. Nos. 2260-16 July 1874 and 3323-24 Nov: 1874.

Fort St. George

Gymnasium for European Troops in Fort Saint George - Lower Storey north block sometimes used as a theatre might be appropriated for this purpose.

Dimensions.
Length 133 Feet
Breadth 38 "
Height 16 "

— — 5000 — 5000 — O.G. No. 1147 - 23rd April 1875. In lieu of the one sanctioned for Rs 11,200 in O.G. No. 436 - 31st Jany 1873.

Conversion of Public Works Workshop Buildings at Chintadrepet into a Military Hospital for European Troops - Estimate 23,560 42,000 — — 20000 — 20,000 — O.G. Nos. 1146 - 1st May 1874 and 261 - 26th January 1875. The latter calling for Estimate.

Engine for Body Guard. — — 4150 — 4150 — Recommended.

Quarters of Artillerymen and Do for residence of Master Worker Refiner at the Gun Carriage Factory. — — 7550 — 7550 — In lieu of the extra Quarters sanctioned in O.G. No. 1816 - 7th June 1871.

3,53,460 — 9,54,310 — 17,28,330

Divisions.	Stations.	Description of Buildings &c. and for what Corps or Department needed.	Sanctioned Works in actual progress for which an allotment in the Budget is required for expenditure in 1876/77.	Sanctioned Works not commenced and which an allotment is now asked for expenditure in 1876/77.	New Works not yet sanctioned which in the opinion of the Commander in Chief are urgently required.	Total allotment required for each work in the Budget of 1876/77.	Orders of Government bearing reference to the Works or remarks as to the necessity of the building.
Madras	Vellore Cantonment.	For raising the Floors of the Quarters occupied by Military and Supervisor of the Gun Powder Factory — Estt. 2500	Ordinance	2500 / 3000	—	2500 / ~~3000~~	O.G. No. 644 - 8th February 1875.
		2 Smiths sheds at the Gun Carriage Factory	Ordnance	16700	—	16700	O.G. No. 2391 - 20th Septr. 1871 - Revised O.G. No. 201 - 21st Jany. 1873. The revised Estimate includes general improvements to the whole building. —
		Coal Godown at do Estt. 16700	Do				Sanctioned by Govt. 20th Sept. 1873 Entered in Old Code Book Items 38 & 39
		Alterations to old Foundry at Gun Powder Factory for Sulphur distillation Estt. 3620	Ordnance	3620	—	3620	O.G. No. 1814 - 7th July 1874.
			Provided in Budget 3600				Budget of 1875/76 under Ordnance S. Estt. No. 16
	Pallavaram.	Increased accommodation in Hospital and Contagious disease ward —	Future Contingency		3000	3000	Recommended.
		Left Wing Latrine	Do	—	2500	2500	Recommended —
	Wellington Barracks.	Entire set of New Lines for the Native Infantry Regiment now stationed at Vepery —	Do	—	Public Letter No. 57 of 7/1/75 Sub. 40000	40000	O.G. No. 261. 29th Jany. 1875.
		Conservancy & Latrines for the Gun Powder Factory					Now to be done in Regular course by the Executive Engineer
	Central Square.	A new double storeyed barracks for 200 men with out-houses —					
		A new Quarters for 30 Families with out-houses —		100000	—	100000	O.G. Nos. 1739 - 2nd June 1874 and 24 - 29th January 1875 —
		A new double storeyed Hospital for 90 Patients with out-houses —	20000 in Budget of 1875/76 Class B. as the Estimate was				Sanctioned by Govt. 8/1875 to be incorporated & transferred to Class A.
		New Quarters for Apothecary	Ordnance	4650	—	4650	
		A new Fives or Racquet Court —	—	4130	—	4130	do do
		Alterations to existing buildings and demolitions —	—	14930	—	14930	No Estimate — Item contained in Estimate No. 154 of 13/6/74
		Gravelling, Water Supply &c.	Miscellaneous	20500	—	20500	
		General Improvements to Commissariat Godown —	Commissariat		3000	3000	Space too confined and improvements required.
	Saint Thomas's Mount.	Constructing Stables for Horses for the two Batteries —	Ordnance Estimate	89190	—	89190	O.G. No. 209 - 25th Jany. 1875. P.W.D. Approved for suppression of the one sanctioned for 30120 in O.G. No. 1892 - 25th June 1874. Approved by the Commander in Chief Iron Stables recommended - See O.G. No. 209 - 25th Jany. 1875. P.W.D. —
			Not Required as Stables are being erected from Estimate sanctioned in O.G. No. 218 of 29th January 1875 —				
		Constructing sheds for sick lines and Farrier Serjeant's Quarters in the sick lines. —	Ordnance Estimate		5000	5000	Recommended —
				649680	95810	2038050	

Divisions — Centre District

Stations — Saint Thomas' Mount

Description of Buildings &c. and for what Corps or Department needed.	Sanctioned Works in actual progress for which an allotment in the Budget is required for expenditure in 1876/77.	Sanctioned Works not commenced and for which an allotment is now asked for expenditure in 1876/77.	New Works not yet sanctioned which in the opinion of the Commander in Chief are urgently required.	Total allotment required for each work in the Budget of 1876/77.	Orders of Government bearing reference to the Works or remarks as to the necessity of the buildings.
Swimming Bath for the New Barracks	—	12,600	—	12,600	G.O. No. 3668. 17th Nov. 1866. European Artillery
Water Works for the Cantonment	Miscellaneous		100,000	100,000	For 9 months in the year there is great difficulty in obtaining water. Approved by the Commander in Chief, but must be postponed. —
Expense Magazine at the Butts near the Gun and Mortar Batteries.	Miscellaneous	—	5,000	5,000	Recommended.
Three double Skittle Alleys.	—	—	5000	5000	Recommended.
Horse Artillery lines. Canteens and Blacksmiths' shop.	—	—	6500	6500	Will be required on completion of new Barracks and when the Second Battery is moved up there.
Shoeing Shed.	—	—	3500	3500	
Two Workshops	—	—	7200	7200	
Four Wash-houses for North and South Barracks. —	—	—	7,600	7,600	North Barracks will be shortly vacated. Recommended for South Barracks. —
Gymnasium for Barracks.	—	—	10,000	10,000	The site of the Institute or Begum Compound would answer. —
Palkeeram — New Lines for a whole Native Infantry	Native Infantry		30,000	30,000	Recommended.
	22,250	40,280	11,32,610	22,25,140	

D: Mr: Genls' Office
Ad: Qrs: Ootacamund
11th August 1875.

Brigr: General
Quarter Master General.

Que No 1.

Ka letter from the Dy
Supt Deesa to Supt
KD No 274 dy 11 Augt 75
6065

Ans 3552/75

GB-43-Letter Sin
Nos 322

List of Military Works estimated at less than 2500 Rupees which are recommended for execution from the "Reserve" in Budget Allotment in 1876/77

No.	Station	Description of Buildings &c. proposed to be constructed or repaired, and Department needed.	Sanctioned Works in actual progress for which an allotment is required from the "Reserve" of 1876/77.	Sanctioned Works not commenced for which an allotment is asked from the "Reserve" of 1876/77.	New Works not yet Sanctioned which are considered urgent for execution from the "Reserve" in 1876/77	Total allotment required from the "Reserve" in 1876/77.	Orders of Government bearing reference to the Works or remarks as to the necessity of the Buildings.
		Cavalry					
		For constructing Shaped drains to Carry off the waste water from Wash House Agra Barracks	"	1000	"	1000	G.G. No. 2937 dated 14th October 1874. P.W.D.
		Rifle Butts					
		For construction of Masonry falls with wings on certain Nullahs near the Rifle Butts, Bangalore	"	1460	"	1460	G.G. No. 2176 dated 7th May 1875. It is hoped that this Work may be carried out in current Year
		Arsenal Fort.					
		For providing Racks in Ordnance Gun Powder Magazines	"	2500	"	2500	G.G. No. 2743 dated 30th September 1874
		Royal Horse Artillery					
		Ration Sheds	"	1000	"	1000	G.G. No. 893 dated 30th March 1870
		Metal Troughs	"	665	"	665	G.G. No. 3043A dated 15th December 1870
		Cavalry					
		Renewing Saddle Pegs in Stable Agra Barracks	"	1920	"	1920	G.G. No. 530 dated 23rd February 1871.
		Royal Artillery Agra Barracks					
		Ration Sheds	"	1750	"	1750	G.G. No. 1232 dated 14th May 1872
		Royal Artillery					
		4 Detached Stables to Agra Barracks	"	280	"	280	Recommended by Sanitary Commissioner. G.G. No. 306. dated 1st February 1872. Much required, the present Urinals showing great Signs of decay.
		Royal Horse Artillery					
		2 Detached Stables to Alsoor Barracks	"	140	"	140	
		Cavalry					
		4 Detached Stables to Agra Barracks	"	280	"	280	
		Artillery Barracks					
		Quarter Room for Sergeant Infantry Regiment		1000		1000	G.G. No. 852 dated 7th March 1873 in D.
		1 School House with Verandah for Native Infantry Regiment		1200		1200	G.G. No. 260 dated 6th January 1875
		1 do do do	"	1200	"		
		Royal Horse Artillery and Royal Artillery					
		24 Carbine Racks in the Barracks of each Battery	"		"	180	180 Not provided in the fittings of the Barracks
		Royal Horse Artillery					
		Maid Privy to School Rooms, Alsoor Barracks	"		"	1420	1420 Urgently required, the present one being insanitable and most objectionable in every respect
				3995		12935	12935
							191105

Description of Buildings &c. and for what Corps & Department needed	Sanctioned Works in actual progress for which an allotment is required from the "Reserve" of 1876/77	Sanctioned Works not commenced for which an allotment is now asked from the "Reserve" of 1876/77	New Works not yet sanctioned which are considered urgent for execution in 1876/77	Total allotment required from the "Reserve" in 1876/77	Orders of Government bearing reference to the Works or remarks as to the necessity of the Buildings.
Garrison				12035	
Store Room Hospitals Mission - Race Course Square already built	"	"	2400	2400	Sufficient Storage was not provided for in the original Plans and Estimates. They are much wanted
Sappers and Miners					
A small latrine for the Guard in lieu of the present one which is objectionably placed	"	"	400	400	As proposed and recommended
Fire Engine Shed	"	"	150	650	do do
European Infantry					
A straw shed for storing straw for stuffing Palliasses	"	"	1200	1200	do do
Stone Troughs under all the rain side water taps	"	"	70	70	do do
Commissariat Department					
A portion of Commissariat buildings at the East Gate to be converted into a Guard room for 12 Men	"	"	130	130	do do
			900	900	do do
Two Latrine for Office Establishment Sergeants' room to Staff Sergeants Quarters	"	"	1000	1000	do do
Cavalry					
Walls round Sick Stable, Forage &c.	"	"	2210	2210	do do
Sappers and Miners					
Stone drain in rear of Barracks & Quarters	"	"	460	460	do do
Flow of European Non Commissioned Officers' Quarters prolaid	"	"	900	900	do do
Garrison Hospitals					
Alterations and additions to Latrines to admit	"	"	230	230	do do
Items to any Earth System	"	"	1700	1700	do do
Small Wards for paid patients	"	"	1000	1000	do do
Small Wards for contagious diseases	"	"	500	500	do do
A room for Medical Store	"	"	1000	1000	do do
A Guard room for 11 Men	"	"	100	100	do do
A Lavatory for female patients	"	"	300	300	do do
Improvements to drainage	"	"			do do
Royal Horse Artillery			1800	1800	do do
Wash House for Guards and Prisoners	"	"	180	180	do do
Ridge Ventilator to the Quarters of Brigades	"	"	320	320	As proposed by the Commander-in-Chief and recommended
Quarter Master Sergeant	"	"			
A channel and cistern for supplying water to the gardens	"	"			

Division	Station	Description of Buildings &c.c. and for what Corps or Department needed.	Sanctioned Works in actual progress for which an allotment is required from the "Reserve" of 1876/77.	Sanctioned Works not commenced for which an allotment is now asked from the "Reserve" of 1876/77	New Works not yet Sanctioned which are considered urgent for execution in 1876/77	Total allotment required from the "Reserve" in 1876/77	Orders of Government bearing) reference to the Works or remarks as to the necessity of the Buildings.
						30175	
	Bangalore	**Sappers and Miners**					
		Hospital Lavatory and increased Surgery accommodation	"	"	1000	1000	Approved by the Commander-in-Chief and recommended.
		Native Infantry					
		Special Case Wards	"	"	2000	2000	Much required.
		Hospital Lavatories	"	"	2000	2000	Approved by the Commander-in-chief and recommended as necessary
		2 Dead Houses	"	"	500	500	Approved by the Commander-in-Chief and recommended
		Draining the Bakery Square	"	"			
		Commandant's House					
		Floors of 2 rooms to be boarded	Do	530	"	530	G.O. № 2825 dated 31st August 1874. P.W.D.
		New flooring to Racquet Court	Miscellaneous	1945	"	1945	G.O. № 2017 dated 24th August 1872
		Drainage Works near the Barracks	Do	860	"	860	G.O. № 1748 dated 22nd July 1872
		Providing a Bath room and converting a window into door in the Apothecary's Quarters	Building for Native Troops	620	"	620	G.O. № 419 dated 1st July 1873. P.W.D.
	Wellington	**Commissariat Stores**					
		Compound Wall and alterations to gate and Windows	Commissariat	1280	"	1280	G.O. № 2741 dated 21st November 1872
		Additions and alterations to School Block	Miscellaneous	1680	"	1680	G.O. № 1472 dated 4th June 1874
		Married Quarters					
		Supplying fire Valves and branch with pipes and 4 cisterns	"	"	1100	1100	A very urgently necessary Work to secure these large ranges of buildings from total destruction of fire, there being no other way of supplying engines thereby carrying water in buckets.
		Flooring verandahs for passages from Married Quarters to Wash Houses and latrines	"	"	1200	1200	A very necessary Work and strongly recommended the flooring now in case is of earth and requires to be replaced & so with brick
		Commissariat Godowns					
		Iron gate with Wicket door to open outside and to fasten inside & that it can be opened from the Godowns	"	"	200	200	Approved by the Commander-in-Chief and recommended
		Canteen, increased accommodation	"	"	700	700	Very much necessary - the present shed no longer being in a safe condition.
		H.M. 18th Regiment					
		Improvements to Artificers' Quarters	Barracks	2270	"	1850	Urgently required - G.O. № 1393 of 18th May 1875
		Quarters for Hospital Apprentice		1850	"		
		4th Regiment L.C.				1180	Necessary
		Mess house & Shop	"	1200	"	1200	G.O. № 50 dated 6th January 1875 P.W.D.
		Ablution Room with furniture	"	2400	"	2400	G.O. № 1757 dated 1st July 1871 Necessary there being no latrine for use of Men
		Latrine	"				
	Bellary						

Chief Works

Division / Station

Description of Buildings &c. and for what Corps or Department needed	Sanctioned Works in actual progress for which an allotment is required from the "Reserve" of 1876/77	Sanctioned Works not yet commenced for which an allotment is now asked from the "Reserve" of 1876/77	New Works not yet sanctioned which are considered urgent for execution in 1876/77	Total allotment required from the "Reserve" in 1876/77	Orders of Government bearing reference to the Works or remarks as to the necessity of the Buildings.
21st Regiment N.I.					
Dead House	"	1200		1200	G.G. No. 729 dated 11th March 1871 - Much needed Necessary by Medical Officer
School House with furniture	"	1200		1200	G.G. No. 50 dated 6th January 1873 - N.D. -
27th Regiment N.I.					
Latrine	"	2400	"	2400	G.G. No. 1757 dated 1st July 1871 - Much needed These buildings no latrine for use of Men.
School room with furniture	"	1200	"	1200	G.G. No. 50 dated 6th January 1873 - N.D. -
Lock Hospital					
A Cook house for Hospital Assistants Quarters	"		500	500	Much required as there is no cook house attached to the Quarters of Hospital Assistant
Latrine at Suitable distance for Hospital Assistants use	"	"	690	690	Much required as the present one is too close to the Hospital Assistants Quarters and should be removed
Commissariat Department					
Sheds for boiling grain for Mules	Commissariat Work	"	1160	1160	Much required as protection from wind and rain
Ordnance Department					
Godowns	Ordnance Work for 40 tons powder		700	700	Necessary.
~~To the 1000~~ Commissioned Officers Quarters and for a Guard Gateway for the Battery of Artillery	Ordnance Work	"	2250	2250	Necessary O.G. No. 1026 dated 13th April 1870.
Constructing a Gateway for the European Details Hospital	Ordnance Work for Guard purposes	1700	"	1700	Necessary - O.G. No. 3578 dated 8th November 1869 -
A Verandah to the Adults School room, Royal Artillery	European Details	700	"	600	O.G. No. 105 dated 12th April 1873 - Amount sanctioned in O.G. quoted is Rs. 700 for Ridge Ventilator and Verandah, the former has since been completed and the Dist. Engineer informs that the approximate cost for the Verandah will be Rs. 600 as entered
Constructing an Armourers Shop for the 38th N.I.	Native Infy	"	550	550	Necessary.
Constructing an Armourers Shop for the 32nd Regt. N.I. in accordance with para 318, Page 103, Mobilization Regulations	"	"	800	800	Necessary Native Infantry
Constructing Shot Proof the Building in use by the Detachment of Artillery Viz:- to Verandah Nos 2 and 3 Sleeping Barrack.	"	"	159	159	Necessary European Artillery
Quarters for the Warder the European Detail Hospital	European Detail Hospital purposes		1800	1800	Very Necessary. The Nurse at present occupies a small portion of the female ward unsuited for a dwelling and height of six cubits to be added Estimated
~~Commissariat Stores~~ Substantial Traverses for the Grand Magazine	Ordnance Work	"	680	680	Commissariat Stores magazines consist of one storey to be raised to the extent of two storeys. The present Traverses are not high enough which should be raised on the score of fire explosions.
Existing inside Tar Room Ordnance Depot to be of brick and chunam 4 x 4 feet	"	"	15	15	Necessary for the purpose of storing Coal tar, the present mode of keeping it in barrels causes waste and loss
Godowns for the accommodation of Stores proposed in the Bakery Commissariat Department	Commissariat Work	"	300	300	Necessary.
A Guard room for the Families of the Detachment British Infantry	Barrack Work for Guard purposes	"	500	500	Very Necessary. The Detachment Cook room, part of which is used by the families, being too distant from the family Quarters
			35 Cot Cks	75075	

Cadet Detail / Artillery Detail / Lock Hospital

Division

Station

Description of Buildings &c and for what Corps or Department needed &c.		Sanctioned Works in actual progress for which an allotment is required from the "Reserve" of 1876/77	Sanctioned Works not commenced for which an allotment is now asked from the "Reserve" of 1876/77	New Works not yet Sanctioned which are considered urgent for execution in 1876/77	Total allotment required from the "Reserve" in 1876/77	Orders of Government bearing reference to the Works or remarks as to the necessity of the Buildings &c.
		35510	39474		75094	
Racks within Grand Magazine, Ordnance Department	Ordnance	"	520		520	Necessary - as the racks next the wall inside of Grand Magazine are too wide apart from the centre racks
School room with furniture for the 19th Regt. N.S.	Barracks Infantry	"	1200		1200	G.G. No 50 dated 6th January 1875 - The present school is quite inadequate to meet the requirements of Schools on the improved System as sanctioned in present Order
School room with furniture for the 33rd Regt. N.S.	"	"	1200		1200	G.G. No 50 dated 6th January 1875 - The present Building is quite unsuitable
Constructing Black Smiths Forge for the Ordnance Depôt	Ordnance	"	750		750	Necessary - At present the Smith is working under the same roof as the Carpenter which is dangerous as sparks from the forge fire may ignite the shavings and is also objectionable - Also the smoke prevents Carpenters work being carried out at the same time. The estimated cost for a Red Smiths forge with set of Shoeing shed will amount to Rs 1370 but the Executive Engineer, Trichinopoly, states in 1871 that Rs 750 will be sufficient if an additional Smiths forge and shop be built at the end of the present Workshops
An American Bowling Alley for the Detachment, British Infantry	Executive Engineer Trichinopoly	2000	✓ "		2000	G.G. No 1814 dated 3rd June 1869 - Necessary
Single Sergeants Quarters for the Battery of Artillery	Executive Engineer	"	1200		1200	✓ Necessary
Wheelers and Cellar Makers Shops 45×20 each for the Battery of Artillery	Executive Engineer Artillery	"	1310		1310	The rooms at present in use being far too small for the work that has to be performed - The doors of the shop do not admit of entry of a Gun Carriage or Waggon in case of repairs (as such are required to have to be done in the open air and therefore it is necessary) to put an arched door & window to this Shop to admit Guns and carriage.
Staff Sergeants Quarters for the Battery of Artillery	" Do	"	1500		1500	There Should be Superior Quarters for Staff Sergeants in accordance with Standard Plan
Alterations to the building formerly used as a Garrison Library to be adapted for a Sergeants Mess, Detachment British Infantry	Executive Engineer	"	1500		1500	✓ Necessary.
Constructing a Verandah, Bengal roof in rear of both ranges of the Artillery Family Quarters	Executive Engineer Artillery	"	1624		1624	Necessary - during the Wet Season the back rooms are very damp in consequence of its being impossible under the present arrangements to keep out the rain.
Constructing a Verandah, Bengal roof in rear of both ranges of Staff Sergeants Quarters, Royal Artillery	" Do	"	320		320	Necessary until Superior Quarters for the Staff Sergeants are provided as recommended by the Building Committee in 1872
Two new Soldiers Wells for the 32nd Regiment N.S. in its lines	Executive Engineer	920	✓ "		920	G.G. No 2108 dated 5 July 1869 - Necessary - The wells used being upwards of a mile from the Regt. lines and dangerous to the guard when there is a [illegible]
Alterations to the building erected for the Ordnance Stores	Ordnance	"	700		700	✓ Necessary
A Bell Stand for the Ordnance Depôt	" Do	112	"		112	G.G. No 31 dated 6th January 1871 - Necessary
Magazine for the Detachment British Infantry	[illegible]	"		1000	1000	Necessary - Ammunition of the Dett. British Infy. has been stored in the Ordnance Depot there being no building available for this purpose in the lines of the Detachment
Covering with Verandah the Medical Stores of the Military Hospitals	Executive Engineer	182	"		182	G.G. No 1622 dated 16 June 1871 - Necessary
		5222	5		91132	

Station

Description of Buildings &c. and for what Corps & Department needed

Sanctioned Works in actual progress for which an allotment is required from the "Reserve" of 1876/77	Sanctioned Works not commenced for which an allotment is now asked from the "Reserve" of 1876/77	New Works not yet Sanctioned which are considered urgent for execution in 1876/77	Total Allotment required from the "Reserve" in 1876/77	Orders of Government bearing reference to the Works or remarks as to the necessity of the buildings
	388 34	5:298	9:132	
A latrine for the Excess of the Advance and Camp Equipage Department, within the Depôt Enclosure	"Advance"	600	600	His excellency the Commander-in-Chief has sanctioned an Outside Latrine for this Department being a public latrine in the neighbourhood about 300 yards distant – Verbal approval obtained by the Commander-in-Chief.
A latrine for the Guard over the Commissariat Stores and that over the Pension Office, also for clerks, Bearers, Contractors, Coolies &c.	"Commissariat"	1500	1500	do do do
Turning up the Ground in front of the Family Quarters R.A. and enclosing it with a Mud Wall for a garden	"Ecclesiastical" "Artillery"	1100	1100	G.O. No 3108 dated 8 October 1867 – This is a necessary Work and would be a great improvement and much appreciated by the families. Approved by Commander-in-Chief when funds are available
Armourer's Shop in accordance with para 318, page 103, Musketry Regulations, for the 19th N.B.	Native Infantry	800	800	Necessary there being no suitable place available
Latrine for the Cantonment with well	"Do"	1150	1150	Necessary.

Barbados

Road to Rifle Range	"Do"	380	380	Road absolutely necessary in account of wet rice land between the Range and Main Road
Drumming Room	"Do"	292	292	To complete the Armourer's Shop.
Wall to the Military Hospital	"Do"	1016	1016	There is no wall or proper fence separating the Hospital from a small Village, which adjoins it. to which patients in Hospital can find easy access – a proper wall is therefore absolutely necessary
Hospital Latrine	"Do"	425	425	The present latrine being small inconvenient ly situated and not in a good place it is recommended that a new latrine be built and the present latrine be used for the storage of dry earth

Virgin Islands

Additional fittings to the Armourer's Shop 7th Regiment N.B.	"Do"	350	350	Required to complete the building
For constructing a wall round the Regimental Magazine of the 7th Regt. N.B.	"Do"	500	500	O.G. No 2999 dated 12 September 1874 – Recommended in accordance with the O.G. quoted
1 Bath Room for Hospital	"Do"	360	360	Urgently required – there being no accommodation of any kind for the purpose
Powder Magazine with Surrounding Wall	"Do"	500	500	According to Standard Plans – Wanted as the present Magazines having been condemned

Virgin Islands

Extension of Rifle Range from 600 to 800 Yards	Do	57		In anticipation of Native Regiments being supplied with Snider Rifles.
Barbados Extension of Rifle Range to 800 Yards	"Do"	1000	1000	
Lengthening the Rifle Range in use with 7th N.B. from 600 to 800 Yards				
		39:93	1171	191:105

District

Station

Description of Buildings &c. and Barrack Corps or Department needed		Sanctioned Works in actual progress for which an allotment is required from the "Reserve" of 1876/77	Sanctioned Works not commenced for which an allotment is now asked from the "Reserve" of 1876/77	Need Works not yet sanctioned which are considered urgent for execution in 1876/77	Total allotment required from the "Reserve" in 1876/77	Orders of Government bearing reference to the Works or remarks as to the necessity of the buildings
			39934	61571	101105	
Sanctioning Quarters & Offices for European Infantry Regiment		"	"	"	890	G.G. No 4132 dated 19th December 1871
Supplying glazed Windows to Recreation Room of European Infantry Regiment		"	1533	"	1533	The light is insufficient, especially during the rains - G.G. No 1614 dated 16th June 1871
A covered passage from No 1 Family Quarters to Orderly room, and constructing a new latrine for European Infantry Regiment		"	1492	"	1492	These improvements have been recommended by the Medical Authorities and have been sanctioned G.G. Nos 1072 dated 25th March 1873, 3218 dated 29th September 1873 and 1697 dated 24th June 1874
Dismantling Guard room, Prison room, Guard Latrines and Covered passage to Court Martial room, European Infantry Regiment		"	390	"	390	
Removing Partition Walls - European Hospitals		"	~~280~~	"	280	To improve the Ventilation - G.G. No 1575 dated 31st May 1875
Constructing Coffee room for European Infantry Regiment		"	"	"	1500	No room of the kind available
Urinaries for European Infantry Barracks fitted with non-porous Slabs and a covered drain to the Sea		"	"	"	2000	To avoid Keeping Urine tubs in the Barrack Verandahs - 8 would be sufficient
Verandah of School rooms European Infantry Regiment to be paved similarly to that outside Orderly room		"	"	"	2285	Flagging would be better than present Laterite Stone. Approved by the Commander-in-Chief when funds are available
Verandah on West Side of Barracks European Infantry to be paved similarly to that outside Orderly room		"	"	"	2460	Stone flagging would be an improvement as this Side of the Barracks is much exposed to the Weather. Approved by the Commander-in-Chief when funds are available
A Shed for Tranquit and other Carts of Commissariat Department		"	"	"	500	There is no Shelter available
Improved Ventilation in Opthalmic Prisoners' and Lunatics' Wards - Hospital for European Troops		"	"	"	350	Necessary on Sanitary grounds
Small Pox Ward - Hospital for Regiment No	"Native" Infantry	"	"	"	600	No Separate Ward available for Contagious
Small Pox Ward - Hospital 25th Regiment No		"	"	"	600	Diseases & Tents can hardly be used during the rains
Introducing Dry Earth System for the Detachment		"	"	"	755	Considered very necessary for Sanitary grounds
Improving Ventilation of Prisoners' rooms		"	"	"	135	The Ventilation being defective, the doors have to be kept open at night
Laying floors of Hospital Lavatory in Hydraulic Cement		"	"	"	160	The floor is much broken and the water does not run off properly
A Small latrine near Guard room		"	"	"	80	The Men on Guard have to go 100 yards to reach a latrine, which is objectionable during the rains
			433-9	6117	11833	

Malabar & Canara

Dinapore

		Description of Buildings &c. and for what Corps or Department needed	Sanctioned Works in actual progress for which an allotment is required from the Estimate of 1876/77	Sanctioned Works not commenced for which an allotment is now asked from the Estimate of 1876/77	New Works not yet sanctioned which are considered urgent for execution in 1876/77	Total allotment required from the "Estimate" in 1876/77	Orders of Government bearing reference to the Works or remarks as to the necessity of the building &c.
	Cahuir	Punkahs in Barracks	"	1566	"	1566	G.O. No. 3751 dated 1st December 1868 and 40 dated 7th January 69
		New Lavatories	"	"	"	1200	The present ones are small, inconvenient, and in a bad State
	Mallapooram	Painting doors & Windows of Military Buildings	"	"	"	660	Much required
		Constructing a Store room for Hospital	"	980	"	980	The existing building is too small and damp G.O. No. 2611 dated 12th August 1874 M.D.
		Constructing an Orderly room	"	"	"	850	Proposed to convert present one into School room and to enlarge Recreation room by throwing it and present School room into one
		A New Urinal	"	"	"	570	The present one is in bad repair and objectionable Situated near canteen
		Punkahs in Barracks	"	1584	"	1584	G.O. Nos. 3751 dated 1st Decbr. 68 and 40 dated 7th Janry. 69
		Latrine for Sick Native Followers	"	"	"	296	Necessary - There are no latrines for Followers when in Hospital
	Mangalore	Flooring Guard room with coal tarred compositn	"	155	Cancelled for 15/5/77	155	The existing floor is much cut up - G.O. No. 2611 dated 12th August 1874
		A Latrine of Standard Plan for Barrack Guard and Prisoners	"Native Infantry"	"	"	270	The ones in use are merely temporary ones
		Forge & Trough and Cupola to Armourer's Work Shop	"	"	"	"	Sanctioned by G.O.C. No. 12 dated 26th Feby 1874 character of work not being Specified & amount of Estimate cannot be given
Centre Division	Govt Sand Glass	Putting up 18 Teakwood Racks for 50 Stands of Arms in Burgess Infantry Barracks	European Infantry	760	"	760	G.O. No. 3139 dated 28 Septbr. 69 - D.P.W.
		New Railings to Soldiers' Barracks	" do	"	400	400	The present railings are considered dangerous
		Constructing a dry Store room for the Armourers' Shop	" do	550	"	550	Necessary
		Wooden Shelves and accoutrement pegs to the Garrison Gaols	" do	360	"	360	Necessary
		Certain alterations at the Arsenal to render it more Secure	do	1130	"	1130	G.O. No. 961 dated 6th April 1870 DS
		A drain from back of the two new cook houses built near the Burgess Infantry Family Quarters	" do	"	170	170	Necessary
	Madras	Government Bakery - alterations, on the Mount Road	Commissariat	1200	"	1200	G.O. No. 1128 dated 21st April 1871. D.P.W.
				5147	3174	12937	

Division	Station	Description of Buildings &c. and for which Repairs or Improvement is needed	Sanctioned Works in actual progress for which an allotment is required from the "Return" of 1876/77	Sanctioned Works not commenced for which an allotment is need asked from the "Return" of 1876/77	New Works not yet Sanctioned which are considered urgent for Execution in 1876/77	Total allotment required from the "Return" for 1876/77	Orders of Government bearing reference to the Works or remarks as to the necessity of the buildings
			5,[illegible]4	51,731	1,29,379		
		Government Bakery raising existing Boiler	"	800	"	800	O.G. No 1574 dated 13 June 1871 D.P.D. Commencement at
		Increased Hospital accommodation in the General Hospital	"	"	2000	2000	Contagious disease Wards are much required Necessary for Native Troops
		Laying roads in the Compound floor North and South Gates of the Seven Wells	"	"	500	500	Necessary — Miscellaneous
		For making alterations in the latrine constructed at the Gun Powder Factory in 1866	"	900	"	900	O.G. No 557 dated 2nd February 1875 Ordinance D.P.
		For providing a Wooden flooring for the Magazine at the Gun Powder Factory	"	1100	"	1100	O.G. No 1501 dated 31 March 1875 Ordinance D.P.
Madras		Coal Godown (formerly) at the Gun Carriage Factory now Workshop for Firemen and Copper Smiths as also containing the punching and Shearing Machine requires a corrugated roof	"	"	1020	1020	Necessary Ordinance
		Iron Godown to the Gun carriage Factory	"	"	150	150	One of the principal rafters requires to be renewed & the Wrought Iron Bridge room requires repairing Ordinance
		Glass Shutters for the doors and windows of Lithographic and Drawing Room at the Gun Carriage Factory	"	"	127	127	Necessary Ordinance
Cantt.	Royapooram	A small Shed for Storing dry earth for use in the Hospital Latrine	"	"	300	300	Necessary
		A School House with furniture	"	"	1200	1200	O.G. No 50 dated 6th January 1875
	Egmore	A School room in the Lines with furniture	"	"	1200	1200	O.G. No 50 dated 6 January 1875
		The banks of the Ground on which the Lines are built require to be properly Sloped off and repaired	"	"	500	300	Necessary
	N. Arcot	Constructing boundary pillars on revised Cantonment boundary	"	450	"	450	O.G. No 354 dated 1st February 1868
	Vellore	For the Construction of a new Rifle Range	"	1734	"	1734	O.G. No 2166 dated 5th May 1875
		A Shed in the Commissariat Ration Yard	Commissariat		800	800	There is no Shelter of any kind, and in the Monsoon the rations are spoiled in the pain- Very Necessary
	Poonamallee	Covered Passage from South Gate of Barracks to Mens Latrines	Expro Duty		600	600	As a protection from the Sun the distance being 17 yards
		Covered Passage from North Gate of Barracks to Womens Latrine	"		600	600	do do do
			5,453		70738	143360	

The Commander-in-Chief considers, as little money as possible should be expended in the old buildings at Poonamallee

Division

Station

Description of Buildings &c. and for what Corps or Department needed

Sanctioned Works in actual progress for which an allotment is required from the "Return" of 1876/77	Sanctioned Works not commenced for which allotment is now asked from the "Return" of 1876/77	New Works not yet sanctioned which are considered urgent for execution in 1876/77	Total allotment required from the "Return" in 1876/77	Orders of Government bearing reference to the Works or remarks as to the necessity of the buildings
		2728	143360	
Latrines and Lavatories to be erected in connection with the New permanent Hospital	"	2 Latrines 2000 2 Lavatories 1000	2000 1000	No out offices had been provided for this building and those attached to the old Hospital are at too great a distance
Two Latrines of Roger's Dry Earth System for Hospital with Covered Passage thereto	"	" 2000	2000	The present Latrines are on the old system, while those for the European Barracks have been constructed on Roger's Dry Earth system
Covered Passages between the Hospital and two Latrines	European Infantry"	2 Covered Passages 900	900	No shelter from Sun or rain
Two Latrines on Roger's Dry Earth System for French Barracks one for Men and one for Women 2 seats in each sufficient	"	" 1000	1000	The present are on the old plan, while those for the European Barracks have been constructed on Roger's Dry Earth System
A Room to be used for a Bible class	"	" 2000	2000	
Providing dispensing boards to the European Barracks and Hospital	"	350 "	350	G.G. No 2829 dated 24 November 1870
Ventilation to the roof of the Canteen in New Pattern Sheds A/20th Bde: R.A	Royal Artillery"	" 50	50	Urgently required

Cantt

Providing a Well with water lifting apparatus to Public Cattle Depot — Commissariat" — 650 — 650 — Water is brought from a tank 250 yards distant from the lines - this tank dries up in the hot season, when the cattle have to be taken to the river for water

Lavatory to be erected in Verandah of Guard room in Horse Artillery Lines — European Artillery" — 200 — 200 — Recommended

Constructing Reed Ridge Ventilators to the roof of the Royal Artillery Canteen — " — 340 — 340 — G.G. No 1138 dated 22nd April 1871

Ventilation to Plunge Baths and Wash Houses, North & South Barracks & Horse Artillery Lines — " — " — 400 — 400 — These Baths and Wash houses are very close and oppressive and require much Ventilation. North Barracks will shortly be vacated

Shelter over the Men's Cots in the South Barracks — " — " — 350 — 350 — Necessary

New Family Quarters South Barracks, in prods to be attached to the Punkah pgfes — " — " — 40 — 40 — Necessary

Draining and Metalling the Gun Park in rear of Royal Artillery Hospitals — " — " — 1400 — 1400 — Necessary

Constructing a Latrine to Ordnance Depot — Ordnance" — " — 1400 — 1400 — Necessary

Sergeants' Quarters Horse Artillery Lines require better Ventilation — European Artillery" — 500 — 500 — Ventilation very defective

Ranges of Sick Lines - Horse Artillery Lines — " — Do — " — 1500 — 1500 — Will be necessary when the horses of the C/20 Bde are located in the lines - Approved by the Commander-in-Chief, but Dem Stables recommended - G.G. 209 dated 25 January 75 - P.W.D

Lavatories Separate for Old Barracks — " — Do — 2000 — 2000 — Necessary

3183 — 2728 — 161550

Cantt

Cant. Mhow and Mount

Sheet 1

Return of Buildings required for the Troops at Cape Coast Castle

Station	Description of Buildings required for each Corps or Department	Sanctioned Works in actual progress for which an allotment is required from the Revenue of 1876/77	Sanctioned Works not commenced for which an allotment is now asked from the Revenue of 1876/77	New Works not yet Sanctioned which are considered urgent for execution in 1876/77	Total Allotment required from the Revenue 1876/77	Orders of Government bearing reference to the Works or Remarks as to the necessity of the Buildings
			5,753	58,128	164,460	
Mount Wood Hospital	Railing of Verandahs for Sick Hospital to be made more Safe	Females }	"	700	700	Necessary — Commencement daily
	Ventilation to old Guard room in South Barracks now used as Coffee Shop	"	"	200	200	Very Necessary — Do
	Enlarging Single Sergeants Quarters South Barracks, making two Quarters into one	"	"	50	50	Necessary — Do
	Married Quarters, South Barracks, require Sheds and accoutrement Pegs	"	"	500	500	Necessary — Do
	Open sides in Cook rooms, North & South Barracks	"	"	100	100	North Barracks will shortly be Vacated (Approved by the Commander-in-chief for South Barracks
	An Armourer's Shop for the use of the Native Infantry Regiment stationed at Palaveram	"	"	890	890	Urgently required — Native Lines
Palaveram	A new latrine required for the Native Guard	European Lines	"	1000	1000	The latrine at present private is close in rear of the Cook House
	A Public latrine is required for the Native Lines	"	"	300	300	There is no latrine at present — Native Infantry Lines
	Shed Cook house is required for the Quarters of the Sergeant Major, European Artillery (Veteran Company)	"	"	400	400	The one at present in use is under the same roof as the Privies — Gold Coast Artillery
					165,580	

No 8

Quarter Master General's Office
Head Quarters, Otacamund
11th August 1875

Brigadier General
Quarter Master General

1876-77

Queens

Rakthes Ghanchi Bredhyk

Dhobi Seyyad Ibrahim Hasan

No 244 of 11" Augt 1875

5905

21/2 Sess. W.

Q013 Mem/75

Rr 1875 Dept
No. 5887

Telegram
From Govt of India

No 6 Sept. 1875.
Rd. do
Rd. 8.30 2645. 8-9-75.

Calling for Schedule of demands for next year by October at latest.

Please register & return - R.P.

No 324 Rr

P.R. Short 7 Sept 75

C.B. 13 Sept 75

C.No 5962

62

The only work not provided for in the Schedule now being printed is the building at Madura - If approved intimation will be sent to Madura to include it.

The Director Genl. makes no provision for minor Works & Repairs but those have been estimated for in the Schedule. R.P.

Schedule submitted.
All works brought
forward last year
and such since
completed have
been included. All
the papers called for
by the Secretary are
not here. The
have been
and the Municipal
have been called
from hand to
for
money
from the

Please sign
& return

No 324 Ab

P.L. Shutt Esqre

13 Oct 1875

Schedule submitted. All works brought forward last year and such since completed have been included. All the papers called for by the Secretary are not here - those available have been sent, and the remainder (if any called for) from hand in a. [illegible]

63

No 324 Ab

Please reply & return

P.L. Shute Esq

No 2645 R.R.D.

Proceedings of the Board

The Military Dept have handed in this Paper on the back on the subject of the Pondoopetto lines. Sprigis sanction has not yet been received to the appropriation of the budget provision & to board for purchase of site.

R.P.

Please return

No 324 Ad

P.L. Shuttleworth

G 13 Lyttelton 75

13 4411

No 2645

These Statements
from which the
Schedules of 1876/77
are to be prepared
have been received
from Branch Offices after
check in the Branch
Dept. The only State-
ment still due is
from the Director
General of Telegraphs
regarding which that
Department has telegraphed
As Branch Work Rose
for the parent Branch
we require no Statement
from the Director

Please Refer
& Return

No 3241 Ty

for Secretary Telegraphs

GB 13 Lettuce 75

No 2645

Attendant this year
and nothing from
the Controller in
respect to Establish-
ment - the Percentage
on this account being
fixed -

R.A.

30/8

Sp 324 Ak

P.L. Shutt Secty

Ltr with reference to
the accompanying Telegram
please see Rule VII para 2
para 2 of the Ind
India Reduction recorded
with G.O. No: 2193 C dated
29 Aug 73. This for the
Director Genl: to furnish
the Local Govt with
the information which
he asks for -

All budget works
are fully provided for
& subject to Rules in
force in the Telegraph Office and
the sanctioned Establishment -

G 13 Letter to Govt 13 Aug 73

Memo.

G. O. 2646 of 13th Sept/75.

67

C No 5887.	These are returned
C No. 5359 with 2 Encls.	to be put up with Ori-
C No 5466	ginal of G. O quoted
C No 5884	above.
with Copy of Budget & file.	

R. P.

Date. 27/9/75.

Memo of No attached
before deciding thereon
I would beg to enquire
Budget Register at
Madras when the
Schedule for 1876/77 is
now under preparation.
The current year's
grant for Repairs is
Rs. 2500 Nothing
provided for Furniture
Work No- R. P.
29/8

We get our Budget from
Govt Charleston Patrick
Govt Office -
Only papers Govt
31.8.75

Sp 324 Ag

D.L. Shutt / Secty

Acctt

No 2645 P.R.D.

Proceedings of the Madras Govt.

Under date the 13th Septr/75

Read the following:

Pro: in the Genl. Dept (H.R. No 3975 of 17 Augt/75.)

From the Offg. Dr Genl. of Post Offices in India (H.R. No 34537 — do —

" Dr General of Telegraphs in India (H.R. dated 28 — do —)

" do — do — (H.R. No 1763 dated 10th Septr/75)

" Govt. of India — (— 6th Septr/75)

Ordered that the

Encs 16

Single — 1

following letter be sent:

H.R. No 2646 of 13 Septr/75

No 2646

To

The Secretary to the

Govt. of India

Sir,

With reference to

Public Works Dept. Reso.
Instrns No 452 Ab.,
dated 7th Augt 73. I
am directed to forward
herewith a Schedule
prepared in the Form
of Part II of the Budget
showing the Imperial
Requirements on Ac-
count of Public Works
for the year 1876/77.

Encl.

—6 sc + 6 sc of
Schedule disp
30.9.75

7 copies 8 pages
Spec — 17

43 Copies F
[illegible]

5359
5486
5524
5962

1875 Madras.

PUBLIC WORKS.

To

Dated

Rec'd

Encl. 1 Abstract with letter C. No. 219 of 15th Oct. 1875.

G. O. 15th Oct. 1875, No. 2645
2646

Pub. 32

Forwarding the Schedule of Imperial requirements for 1876-77.

Schedule of Imperial requirements for 1876-77—

ordered that —— be forwarded to the Govt: of India—