Trob.

In the statements referred to by SE in the first para of his letter the following grants were omitted

Echuded Local	
Vayagrapatnam to	Rs 7020
Jangam	" 1680

First Circle — Statement showing the grants for each Division for 1883-84

Divisions.	Incorporated Local — Original Works — C.B.	Com	M.P.I	Total	Repairs — C.B.	Com	M.P.I.	Total	Reduced Local — Original Works — C.B.	Com	M.P.I	Total	Repairs — C.B.	Com	M.P.I.	Total
Godaveri Eastern	"	20000	"	20000	"	300	500	800	6900	-	-	6900	"	"	"	"
Do Western	"	137	-	137	-	"	-	-	-	-	-	-	-	-	-	-
Vizagapatam	-	-	-	-	-	-	-	-	-	-	7020	7020	"	"	-	-
Ganjam	-	-	-	-	-	-	-	-	1680	"	-	1680	-	-	-	-
Total	"	20137	-	20137	"	300	500	800	8,580	-	7020	15,600	-	"	-	-

No. 41152

From.

The Offg. Superintending Engineer
1st Circle.

To,

The Chief Engineer
Public Works Department
Madras.

Enclosure
One Statement

Dowlaisheweram 4th January 1884.
Despd. 6th January 84

Sir,

With reference to your No. 2618 dated 28th December 1883, I have the honor to point out that all the information asked for as regards the Grants for the Godavari Eastern Division shown in the statement with your letter, has already been given in my statements dated 31-10-83 with letter No. 3115 dated 30th October 1883 and in my No. 2833 of 17th December 1883 but now the Executive Engineer considers that owing to delay in settling matters connected with the revised estimate Rs. 5000 of the allotment (Rs 20,000) for

Returned.

Education

for the Kovur Munjair Junction Canal had better be surrendered.—

(2) As regards the grant (Rs 137) shown in your statement under Encorporated Local Original Works Communications for the Western Division Godavari, I have the honor to say that it cannot be traced in my Office to what it refers.

(3) As regards the grant (Rs 7020) under "Excluded Local" Vizagapatam the approximate outlay in the current Official year will be Rs 5706.—

(a) Against the Rupees 5980 for Bimlipatam Groynes Rs 5080 *G.O. 1924 of 9/7/83

(b) Against the Rs 1040 for Vizagapatam Harbour Survey Rs 626 and besides there will probably be an expenditure of Rs 2000 on the extension of the Bimlipatam groynes ordered in your telegram dated 28th December 1883 *G.O 1248-27/4/83 *Estimate Rs 3890.

(4) As regards the grant (Rs 1680) Ganjam Excluded Local Original Works the expenditure will probably be only Rs 1000.

I have the honor to be
Sir
Your Most Obedient Servant
C. Stuart
Offg Supr Engineer 1st Circle.

5080
1040
7020

1376

JK

Lr 7248 W. 27.4.83
1924 W. 9.7.83
2573 C. 20.12.83.
2618 C. 28.12.83
67 C. 12.1.84.

From

The Superintending Engineer
First Circle

To

The Chief Engineer
P. W. Department
Madras

Dated 4th
Despd 5th } January 1884
Received

No. 226 W of 25th Jany 1884

Enclosures One

No 411 G.L.

Grants under Local
incorporated and Local
excluded in the first Circle
Reports regarding the

B/

PUBLIC WORKS DEPARTMENT.

No. 226 W

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 25th January 1884

READ the following

Letter from the Supg: Engr
First Circle No. 411 G.L. of 5th January 1884

The undermentioned
items, aggregating Rs 8192
are presumed and
transferred to the
Financial Department.

Incorporated Local Funds

Kovur. Munsair Junction
Canal — Rs 5,000
Establishment — Rs 1150
Tools and Plant — Rs 75
Rs 6225

Excluded Local Funds

Port Funds

Rough stone progress in
the Fort at Bunlipatam Rs 900
Establishment — " 207
Tools and Plant — " 13
Rs 1120

Executive

Educational

School House at Kuvel.
-condah ——— Rs 680
Establishment ——— " 157
Tools and Plant ——— " 10
Rs 847

2. The amount resigned from the Grant for the Vizagapatam Harbour, has been resumed and transferred to the Financial Department under separate order.

3. The Examiner's books show that Rs 137 have been appropriated under Local Incorporated for the following work:—
Widening the left bank of Atili canal at atili ——— Rs 30
making a footpath on the bank of Dignarru channel ~~on the footpath~~ as per Chittavaram — 107
Rs 137

CV. 23-1-84 WS. 23-1-84

CW 25/1 SJC 25/1

No. 226 W. dated 25th January 84

To
The Supg: Engr I Circle
" Exam: P.W. Accts
" Fin: Dept.

Sub Conductor Dept

per 25/1

(Appendix to G.O., No. 3002 W., *dated* 24*th October* 1883.)

List of Military Works estimated to cost Rs. 2,500 and upwards, and for which Funds are required in the Public Works Budget for 1884-85.

Division or District.	Station.	Description of buildings, &c., and for what corps or department needed.	Approximate number of estimate or cost.	Remarks by the Officer Commanding Division or District.	Remarks by the Commander-in-Chief.
Eastern District.	Port St. George ..	*Arsenal.*			
		A verandah to Section II, VI, and VII, Store ..	400	Very much needed for the storage of serviceable fire-engines which are now kept out.	Recommended	Approved.
		A store-room in the forge workshop	620	Very much needed, the present one being too small.	Do.	Do.
		Railings to miscellaneous workshop and a door between them and armourer's shop.	790	Very much needed	Do.	Do.
		A shed in the new park	440	Very much needed for painting canvas ..	Do.	Do.
		The verandah of the European infantry officers' mess-house to be extended.	900	Required as the present verandah is too small ..	Recommended. The mess-house has a very small verandah and would be much improved by a verandah along the sea-face of the building.	Do.
		A good water-tap for the quarters of the superintendent of fire-engines.	200	Very much needed	Recommended	Do.
		Body Guard.				
		Dispensary for veterinary department for Body Guard.	1,800	Nil	Do.	When funds are available.
		Gun-powder Factory.				
		Breaking down house	500	G.O., No. 69, dated 7th January 1874 ..	Recommended as being appurtenant portion of the scheme for the thorough renewal of the gun-powder factory—*vide* items in the list of major works.	Approved.
		1 Breaking down machine.				
		1 House for 6-horse power engine and boiler.	1,100	G.O., No. 1361, dated 31st March 1876 ..		
		Powder magazine	1,735	There is no place at present should emergency demand the storage of wheat without endangering the safety of the bread-stuffs by the introduction of weevils into the main building. Estimate sanctioned in G.O., No. 1863 W., dated 5th July 1883.	Recommended.	Do.
		Wooden flooring and thorough repair.				
		Commissariat Department.				
	Madras ..	A wheat store-room for the Government bakery.	950	There is no drainage-water lodges, and for sanitary purposes it is necessary that the ground should be levelled and a proper system of drains laid down.	Do.	When funds are available.
		The levelling of the bakery compound and a system of drainage to carry off the washing of the bakery.				

List of Military Works estimated to cost Rs. 2,500 and under, and for which Funds are required in the Public Works Budget for 1884-85—*cont.*

Division or District.	Station.	Description of buildings, &c., and for what corps or department needed.	Approximate estimate of cost.	Remarks by the standing Barrack Committee as to the necessity of the buildings, references to former applications, orders of Government, &c.	Remarks by the Officer Commanding Division or District.	Remarks by the Commander-in-Chief.
		Commissariat Department—cont.	Rs.			
Eastern District—*cont.*	St. Thomas' Mount.	Sinking a well, erecting a moat and trough apparatus, public cattle depôt.	800	Required in the public cattle depôt in consequence of there being no water nearer than a tank 250 yards distant from the lines which in the hot season is perfectly dry; during the period the bullocks have to be taken to the river for water.	Recommended. When funds are available.	When funds are available.
		Lavatories on the standard plan for the north barracks.	2,000	Urgently required for the barracks ..	Recommended. These barracks have no proper lavatories.	Approved.
		Lavatories on the standard plan for the south barracks.	2,000	Do. do. ..		
	Vizianagrum ..	Bath-room for hospital of the native infantry regiment.	360	Much required, there being no accommodation which could be used for the purpose.	Recommended.	Do.
		Hospital wall to be completed	286	Present wall encloses three sides of the hospital, while on the fourth side and nearest the regimental lines there is none. If wall is completed, all ingress and egress will be confined to the regular entrance and a better watch kept over the movements of patients.	Do.	Do.
		Three public latrines, viz., one for men in the left wing, and two for women, one in each wing, on dry earth system.	2,255	Much required, there being at present only one latrine for men in the right wing, sanctioned *vide* Proceedings of Madras Government, No. 292, dated 24th January 1874. Rs. 765 for one completed, sanction for three more asked for.	Do.	Do.
		Powder magazine with surrounding walls on standard plan.	1,999	Much required, the present magazine having been condemned and having no protecting walls round it. The shelves being built into the walls are continually attacked by white-ants.	Do.	Do.
		Armourer's workshop	900	Much required, the work having been sanctioned *vide* Proceedings of Madras Government, No. 1111, dated 17th April 1873, progress of work stopped on account of famine in 1877, and not since completed.	Do.	Do.
	Berhampore ..	A wall to the military hospital of the native infantry regiment.	1,016	There is no wall or 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. Approved when funds are available—*vide* extract from list of works for 1878-79. Estimate sanctioned in G.O., No. 1236 W., dated 25th April 1883.	Do.	Do.
		School-house for a native infantry regiment ..	960	A school-house is absolutely required for the use of the regiment, the present building (regimental property) having fallen in and being utterly unsuited for the purpose. G.O., No. 3704, dated 6th July 1883. P.W., No. 1768, dated 23rd June 1883.	Do.	Do.
		Barracks, Native Infantry.				
Western District.	Mangalore ..	Forge trough and cupola to the armourer's workshop, also a screen as per clause *e*, paragraph 13 of G.O.C.C., No. 12, dated 12th February 1874.	730	Original estimate for Rs. 500 sanctioned—*vide* Proceedings of Madras Government, Military, No. 2133, dated 13th September 1876. G.O., No. 2590 W., dated 4th October 1882.	Required	When funds are available.
		European Infantry.				
	Calicut	Introducing dry earth system	758	An important work. G.O., No. 2590 W., dated 4th October 1882.	Important	Most important.
		European Infantry.				
	Cannanore ..	Replacing the laterite flooring of the recreation room with concrete in chunam and asphalte.	2,140	Recommended. The laterite perishes rapidly. Sanction in abeyance.	Depends on the result of the experiment made with these materials in the native infantry place of arms.	Necessary.
		Replacing the present flooring of the school-room with concrete in chunam and asphalte.	770	Recommended. The laterite flooring perishes rapidly.	Seems desirable	Do.
		Replacing the present wooden railings round the barracks with open laterite work.	639	Recommended on economic grounds. The wooden railings are expensive and require constant renewal. Sanctioned by Commander-in-Chief.	Desirable	Do.
		Replacing the present flooring of the European infantry cells with concrete in chunam and asphalte.	1,100	Recommended. Laterite flooring is found to perish rapidly. Sanction in abeyance.	Depends on the results of the experiment made in the native infantry place of arms with these materials.	Do.
		Station Hospital.				
		Sinking a well	664	Another well is required. The water-supply is very scanty during the hot weather. Sanctioned by Commander-in-Chief.	Recommended	Very necessary.
		Ordnance Department.				
		Raising the parapet of the magazine redoubt on a level with its eaves and moving the guard-room from inside to outside the ditch.	1,900	Desirable as a precautionary measure ..	Do.	Very desirable.
		Native Infantry.				
	Quilon	An armourer's shop	1,700	Much needed. The existing building is unsuited to present requirements. Browning arms cannot be carried on.	Desirable	Very necessary.
Bangalore Division.		*Royal Artillery.*				
	Bangalore ..	A new latrine for the staff sergeant's quarters, Royal Horse Artillery, the present one being old and condemned on sanitary grounds.	2,100	Very necessary. This was condemned by a Board of which Deputy Surgeon-General was a member. Recommended in 1882.	Urgently required ..	Recommended.
		Ration shed for field batteries	1,750	G.O., No. 1232 of 14th May 1872. Much required. No cover for issue of rations.	Desirable	When funds are available.
		A battery staff sergeant's quarters for Royal Horse Artillery. One more required is now desirable.	1,100	Very necessary. There is at present no quarters for battery quartermaster-sergeant. The Committee recommended the conversion of the present camp store into a quarter, the camp equipage being removed into old foot artillery barracks. First time recommended.	Conversion recommended ..	Approved.

List of Military Works estimated to cost Rs. 2,500 and under, and for which Funds are required in the Public Works Budget for 1884-85—*cont.*

Division or District.	Station.	Description of buildings, &c., and for what corps or department needed.	Approximate estimate of cost.	Remarks by the standing Barrack Committee as to the necessity of the buildings, references to former applications, orders of Government, &c.	Remarks by the Officer Commanding Division or District.	Remarks by the Commander-in-Chief.
		Royal Artillery—cont.	Rs.			
Bangalore Division—cont.		Stone drains to forage yard and lines, Royal Horse Artillery.	1,440	G.O., No. 3066 of, 2nd December 1879. Much required.	Desirable	When funds are available.
		Cook-houses for sergeants' messes of two field batteries. One desirable.	1,470	Very necessary. First brought forward in 1882.	Very necessary	Approved.
		12th Royal Lancers.				
		To provide a gymnasium and fencing room ..	1,500	Very necessary. Recommended that half of No. 5 block, British cavalry barracks, be converted into a regimental gymnasium and fencing gallery. First time brought forward.	Strongly recommended ..	When funds are available.
		A latrine with twelve seats for use of the men whilst at stables is indispensable.	1,200	Very necessary. First time brought forward ..	Six seats urgently required.	Six seats approved.
		Commissariat Department.				
		To build, or render present building used as such (built for a native), quarters for the station butcher.	520	Very necessary, if the station butcher is to live at the slaughter-house. First time brought forward.	Desirable	When funds are available.
		To improve the road leading from slaughter-house to circular road near cavalry barracks to enable meat carts to travel to and fro without breaking down or injuring meat by jolting.	1,400	Necessary	Desirable when funds are available.	Do. do.
		Transport Department.				
	Bangalore—*cont.* ..	The speedy construction in the transport cattle-lines of a shed for carts and trollies. A saddle-room .. .. Store-rooms .. .. All being urgently required for the storage of saddles, line, gear, &c., and for protection of carts and trollies.	1,200	The adoption of existing camel-sheds, which are more than are now required for camels, into these buildings is very necessary. The mules (other than sick ones) should be picketted in regular mule-lines, south of transport non-commissioned officers' quarters and only such mules left under shelter. First time these requirements have been brought forward.	Necessary, so far as recommended by Committee.	Approved.
		Army Hospital Corps.				
		Thirty-three huts to be erected in the vicinity of the south station hospital.	924	First time these requirements have been brought forward.	Necessary on the corps being embodied.	Do.
		Twenty-seven huts near the north station hospital are absolutely necessary for the use of the men of the native army hospital corps doing duty in Bangalore. Clause 204, paragraph 24, Army Circulars, 30th November 1882.	756			
		Medical Department.				
		Stables for medical subordinates attached to Royal Artillery and Cavalry, south station hospital.	1,000	Much required. Temporary stabling at present, which is objectionable.	Necessary if the medical subordinates are entitled to stabling.	When funds are available.
		British Infantry.				
		Roofing the corrugated iron urinals in barrack square.	1,320	G.O., No. 3665, dated 21st July 1876 .. .. ,, No. 4383 ,, 30th August 1876. ,, No. 2611 ,, 26th September 1876. ,, No. 2732 ,, 11th October ,, Strongly urged by the medical authorities.	Urgently required ..	Approved.
		Latrines for native followers	1,600	First recommended in 1882. Much needed, there being no proper resort to this class.	Required	Do.
	Wellington ..	Removing the present concrete floors of latrines of Nos. 1, 2, 3, 4 and 5 barracks and school blocks and relaying the same with 12 square tiles.	1,680	G.Os., Nos. 1472 and 1812, dated 4th and 9th June 1874. Recommended 1882. Very necessary. The present concrete flooring is always out of repair.	Very necessary	Do.
		Bath-rooms to Nos. 1, 2, 3, 4 and 5 blocks for pay sergeants.	2,350	Recommended 1881 and 1882. Very necessary, as at present the married pay sergeants who live upstairs are without bath-rooms.	Very desirable	Do.
		Brick tiled flooring, instead of present concrete, to covered passage leading from married quarters to latrines.	1,000	Recommended 1882. Very necessary. The present flooring is always out of repair.	Desirable	Do.
		Purveyor's stores to be enlarged as the space is insufficient for bedding, clothing and furniture.	2,000	Recommended 1882. Necessary	Necessary	Do.
		Supplying 7 cooking stoves to staff sergeants' quarters similar to those for married quarters.	600	Very necessary. First time brought forward ..	Very desirable	Do.
		Supplying cooking range to sergeants' mess capable of cooking for 30 sergeants.	800	Do. do. do. ..	Desirable	Do.
		Compound wall and alterations to the Commissariat buildings.	1,280	G.O., No. 345, dated 24th August 1875. Desirable.	Not urgently required ..	When funds are available.
		Drainage works near barracks	1,822	G.O., No. 1748, dated 23rd July 1872. Desirable, much wanted.	Recommended	Do. do.
		Erecting a stone reservoir and laying pipes between springs and outlet of spring water supply.	2,070	G.O., No. 6809, dated 28th November 1876, desirable.	Desirable	Do. do.
Coded Districts.		*27th Regiment, Native Infantry.*				
	Bellary	School	1,300	The present building is wanting in room and ventilation. Rs. 1,000 was the amount of estimate in budget list for 1883-84 for 100 scholars, but provision has since been made for 140. G.O., No. 2590 W., dated 4th October 1882.	This is very much required, the present building being quite unsuitable.	Do. do.
		Latrine for the left wing	1,500	The present one is inconveniently situated for this half battalion and there is not sufficient seat accommodation for the whole regiment, G.O., No. 2590 W., dated 4th October 1882.	Recommended, but the estimate appears very high. The latrine is much required.	Estimate seems expensive.

List of Military Works estimated to cost Rs. 2,500 and under, and for which Funds are required in the Public Works Budget for 1884-85—*cont.*

Division or District.	Station.	Description of buildings, &c., and for what corps or department needed.	Approximate estimate of cost.	Remarks by the standing Barrack Committee as to the necessity of the buildings, references to former applications, orders of Government, &c.	Remarks by the Officer Commanding Division or District.	Remarks by the Commander-in-Chief.
Ceded Districts—*cont.*	Bellary—*cont.*	*Native Infantry Hospital.* Two small cook-rooms for use by 25th and 27th regiment.	600	A temporary arrangement for utilizing an unused latrine has been recommended, but has not been found to answer. There is no other place available, and out-door cooking is not advisable for sick. The lines are distant about ½ mile. This is included in the budget works for 1883-84, and the estimate (approximate) is for Rs. 1,200. The present is for two small sheds against the rear compound wall. G.O., No. 2590 W., dated 4th October 1882.	To turn a latrine, even an unused one and for a temporary arrangement, into a cook-room, seems to me altogether unsuited and objectionable. Two small cook-houses are undoubtedly required.	Cook-houses very necessary. Should there be no objection on sanitary grounds and if the latrine has not been in use, there seems no reason why the proposed arrangement should not answer.
		Ordnance Depot. Out-houses for the quarters of the laboratory sergeant, attached to the ordnance department.	620	These quarters have been recently formed from a portion of the depôt stores and are devoid of the accommodation asked for. Estimate sanctioned in G.O., No. 2461 W., dated 3rd September 1883.	Must be repaired and is therefore recommended.	When funds are available.
		Female Hospital. Compound wall	1,600	There is at present no fence round this hospital to ensure the privacy of the inmates. This hospital is close to the station hospital and the European infantry barracks.	This is, I think, very much required. There is absolutely nothing to prevent a passer-by seeing the patients in their beds. Privacy is also required for the patients walking about of an evening and for washing soiled linen.	Very desirable.

Fort St. George,
11th October 1883.

(Signed) D. J. S. McLEOD, Major,
for Quartermaster-General.

ENDORSEMENT.

Appendix No. 3003 *W., dated* 24*th October* 1883.

Buildings and Roads.

Schedule of the probable requirements of the Madras Presidency on account of Imperial Works for 1884-85.

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.
				Imperial, Ordinary.		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
				Military.												
(1) Accommodation for troops—Buildings for European troops in the plains—Permanent.	Chingleput.	St. Thomas' Mount.	1	New barracks for Royal Artillery.	A	40,000	..	40,000	..	..	..	..	..	..	..	Estimate of Rs. 1,27,750 sanctioned in G.O., No. 1894 W., of 25th July 1882. Item No. 2, Class A Works, of Budget of 1883-84.
	Coimbatore.	Malapuram.	2	Barracks for detachment British Infantry to accommodate 100 men.	A	40,000	..	40,000	..	..	..	..	..	..	..	Estimate of Rs. 90,830 sanctioned in G.O., No. 1840 W., of 18th July 1882. Item No. 3 Class A Works, of Budget of 1883-84.
	Presidency.	Bangalore..	3	Alterations and additions to wash-houses for the British Infantry.	A	4,500	..	4,500	..	..	..	..	..	..	..	Estimate of Rs. 12,500 sanctioned in G.O., No. 1102 W., of 7th May 1880. Item No. 1, Class B Works, of Budget of 1883-84.
	Do. ..	Fort Saint George.	4	A covered gymnasium to be erected in the Ball Ally of the European regiment.	A	..	9,800	9,800	..	..	..	..	..	..	..	Estimate awaited. Item No. 17, Appendix B, Budget of 1883-84.
	Do. ..	Do. ..	5	An armourer's shop on the standard plan, for the European Infantry regiment.	B	..	5,000	5,000	..	..	..	..	..	..	..	Estimate awaited.
	Chingleput.	St. Thomas' Mount.	6	Constructing six blocks of stables for two field batteries of Royal Artillery.	A	..	20,160	20,160	..	..	..	..	..	..	..	Estimate of Rs. 20,160 sanctioned in G.O., No. 2747 W., of 1st October 1883.
	Do. ..	Do. ..	7	Plunge-bath for Royal Artillery.	B	..	12,600	12,600	..	..	..	..	..	..	..	Estimate awaited. Item No. 1, Appendix B, Budget of 1883-84.

Schedule of the probable requirements of the Madras Presidency on account of Imperial Works for 1884-85—*cont.*

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Class.	Original Works.					Repairs.	Establishment.	Tools and Plant.	Suspense.	Grand Total.	Remarks.
						Major Works.			Minor Works.	Total.						
						Works in progress.	New Works.	Total.								
				IMPERIAL, ORDINARY—*cont.*		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
				Military—cont.												
Accommodation for troops—Buildings for European troops in the plains—Permanent.	Presidency.	Bangalore..	8	Garrison gymnasium of the 4th class.	B	..	44,600	44,600	..	..	..	..	..	..	..	Estimate of Rs. 44,600 sanctioned in G.O., No. 1560, of 21st June 1876. Item No. 12, Appendix B, Budget of 1883-84.
	Do. ..	Do. ..	9	Quarters for senior apothecary, north station hospital.	B	..	4,330	4,330	..	..	..	..	..	..	..	Estimate awaited. Item No. 15, Appendix B, Budget of 1883-84.
	Bellary ..	Bellary ..	10	Three blocks of stables for Royal Artillery at	A	2,000	..	2,000	..	..	..	..	..	..	..	Estimate of Rs. 10,000 sanctioned in G.O., No. 2000 W., of 1st August 1883. Item No. 10, Appendix B, Budget of 1883-84.
	Do. ..	Do. ..	11	Infectious disease ward of station hospital.	B	..	8,000	8,000	..	..	..	..	..	..	..	Estimate awaited. Item No. 8, Appendix B, Budget of 1883-84.
	Do. ..	Do. ..	12	Pipes and cisterns to supply water from the artesian well to British troops.	B	..	3,000	3,000	..	..	..	..	..	..	..	Estimate awaited.
	Do. ..	Do. ..	13	Completion of system of drainage of wash-houses.	B	..	3,000	3,000	..	..	..	..	..	..	..	Estimate awaited.
	Coimbatore.	Cannanore.	14	Plunge-bath for British Infantry.	B	..	4,690	4,690	..	..	..	..	..	..	..	Estimate of Rs. 4,690 sanctioned in G.O., No. 418, of 10th February 1876. Item No. 5, Appendix B, Budget of 1883-84.
	Do. ..	Malapuram.	15	Canteen for detachment British Infantry.	B	..	5,000	5,000	..	..	..	..	..	..	..	Estimate awaited. Item No. 3, Appendix B, Budget of 1883-84.
Do. do. in the hills—Permanent.	Nilgiri ..	Wellington.	16	Extending the 6-inches water main-pipe from the barrack square to the married quarters at	A	9,400	..	9,400	..	..	..	..	..	..	..	Estimate of Rs. 9,530 sanctioned in G.O., No. 198 W., of 18th January 1882. Item No. 23, Appendix B, Budget of 1883-84.
	Do. ..	Do. ..	17	Gymnasium at ..	B	..	15,000	15,000	..	..	..	..	..	..	..	Estimate awaited.
Accommodation for troops—Buildings for native troops.	Presidency.	Madras ..	18	New regimental school at the Perambûr lines.	B	..	2,500	2,500	..	..	..	..	..	..	..	Do.
	Do. ..	Do. ..	19	Two latrines for the regimental lines at Rayapuram.	B	..	3,000	3,000	..	..	..	..	..	..	..	Do.
	Chingleput.	Pallávaram.	20	One mortuary room for each of the three hospitals, Nos. 1 to 3.	B	..	3,000	3,000	..	..	..	..	..	..	..	Estimate awaited. Item No. 29, Appendix B, Budget of 1883-84.
	Do. ..	Do. ..	21	Regimental magazine on the standard plan.	B	..	4,500	4,500	..	..	..	..	..	..	..	Estimate awaited.
	North Arcot.	Vellore ..	22	School-house for a Native Infantry regiment.	B	..	5,000	5,000	..	..	..	..	..	..	..	Do.
	Presidency.	Bangalore.	23	Accommodation for regiment of Native Cavalry. Rs. Place of arms and armourers' shop. 7,165 Infirmary .. 5,800 Magazine .. 2,750 Guard-room .. 3,540 School .. 1,715 Water-trough .. 510 Water-well .. 2,320 Drains, roads, &c. 5,800	A	..	29,600	29,600	..	..	..	..	..	..	..	Estimate awaited. Item No. 24, Appendix B, Budget of 1883-84.
	Do. ..	Do. ..	24	Accommodation for one regiment of Native Infantry (less magazine).	A	..	14,610	14,610	..	..	..	..	..	..	..	Estimate awaited.
	Do. ..	Do. ..	25	Regimental latrines for Queen's Own Sappers and Miners.	A	3,960	..	3,960	..	..	..	..	..	..	..	Estimate awaited. Item No. 25, Appendix B, Budget of 1883-84.
	Trichinopoly.	Trichinopoly.	26	Accommodation for one regiment of Native Infantry. Rs. Place of arms and guard-room .. 8,450 Cells .. .. 920 Store-room .. 2,200 School-room .. 2,650 Magazine .. 650 Armourers' shop. 2,330	A	..	17,200	17,200	..	..	..	..	..	..	..	Estimate awaited. Item No. 28, Appendix B, Budget of 1883-84.
	Do. ..	Do. ..	27	Accommodation for a third regiment of Native Infantry as above.	A	..	17,200	17,200	..	..	..	..	..	..	..	Estimate awaited.
	Do. ..	Do. ..	28	Two latrines for Native Infantry regiment.	B	..	5,200	5,200	..	..	..	..	..	..	..	Estimate awaited. Item No. 33, Appendix B, Budget of 1883-84.
	Bellary ..	Bellary ..	29	Armourers' shop for a regiment of Native Cavalry.	B	..	2,695	2,695	..	..	..	..	..	..	..	Estimate awaited.

Schedule of the probable requirements of the Madras Presidency on account of Imperial Works for 1884-85—*cont.*

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.	Total.	Repairs.	Establishment.	Tools and Plant.	Suspense.	Grand Total.	Remarks.
				IMPERIAL, ORDINARY *cont.*		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
				Military—cont.												
Accommodation for troops—Buildings for native troops—*cont.*	Coimbatore.	Quilon ..	30	Magazine for Native Infantry barracks.	B.	..	3,560	3,560	..	..	..	..	..	..	..	Estimate awaited.
	Do. ..	Do. ..	31	Store-room for do. ..	B.	..	5,000	5,000	..	..	..	..	..	..	..	Do.
	North Arcot	Vellore ..	32	Armourers' shop for a regiment of Native Infantry.	A.	1,980	..	1,980	..	..	..	..	..	..	..	Estimate for Rs. 2,800 sanctioned in G.O., No. 1547 W., of 20th June 1881.
	Vizagapatam	Vizianagram.	33	Regimental store-room, to be included as storage for Camp Equipage.	B.	..	5,000	5,000	..	..	..	..	..	..	..	Estimate awaited.
Ordnance Works.	Presidency.	Fort St. George.	34	Mounting ordnance ..	A.	32,000	..	32,000	..	..	..	..	..	..	..	Estimate of Rs. 42,035 sanctioned in G.O., No. 2970 W., of 19th October 1883. Item No. 2, Class B Works, Budget of 1883-84.
	Do. ..	Madras ..	35	Completing the emplacements and improving the store-rooms, &c., of the coast batteries.	A.	22,300	..	22,300	..	..	..	..	..	..	..	Estimate of Rs. 42,320 sanctioned in G.O., No. 1061 W., of 13th June 1883. Item No. 34, Appendix B, Budget of 1883-84.
	Do. ..	Do. ..	36	Improvements to the gunpowder factory. Further estimates required— Glazing and dusting house, one group. Incorporating mills, one group. Drying-house. Pebble cutting house. Granulating house to be converted into a pebble cutting machine house.	A.	26,000	..	26,000	..	..	..	..	..	..	..	The last sanction brought up the total sanctions to Rs. 2,26,055. G.O., No. 2748 W., of 1st October 1883. Item No. 4, Class A Works, Budget of 1883-84. Further estimates are awaited.
Commissariat Buildings.	Do. ..	Do. ..	37	New additional compound wall. Two bridges. Improvements to the wheel shop of the gun carriage factory.	B	..	4,000	4,000	..	..	..	..	..	..	..	Estimate awaited.
	Presidency.	Guindy ..	38	Converting the late Superintending Engineer's office at Guindy into a Commissariat slaughter-house.	B	..	11,800	11,800	..	..	..	..	..	..	..	Estimate for Rs. 11,800 sanctioned in G.O., No. 1399 W., of 12th May 1883. Item No. 43, Appendix B, Budget of 1883-84.
	Do. ..	Madras ..	39	Quarters for station butcher.	B	..	4,740	4,740	..	..	..	..	..	..	..	Estimate awaited. Item No. 44, Appendix B, Budget of 1883-84.
	Do. ..	Do. ..	40	Sheds for public cattle and lines for their attendants.	B	..	20,000	20,000	..	..	..	..	..	..	..	Estimate awaited.
	Do. ..	Do. ..	41	Quarters for three warrant and five non-commissioned officers of the Commissariat department.	A	..	26,740	26,740	..	..	..	..	..	..	..	Estimate of Rs. 26,740 sanctioned in G.O., No. 1836 W., of 2nd July 1883. Item No. 45, Appendix B, Budget of 1883-84.
	Nilgiri ..	Wellington.	42	Bakery at	A	..	10,000	10,000	..	..	..	..	..	..	..	Under consideration.
	Coimbatore.	Cannanore.	43	Converting the old artillery stables at Cannanore into a bakery and sinking a well.	A	2,660	..	2,660	..	..	..	..	..	..	..	Estimate of Rs. 7,660 sanctioned in G.O., No. 2213 W., of 10th August 1883. Item No. 41, Appendix B, Budget of 1883-84.
	Do. ..	Malapuram.	44	Quarters for Commissariat staff sergeants.	B	..	4,000	4,000	..	..	..	..	..	..	..	Estimate awaited.
Fortifications.	Presidency.	Bangalore.	45	Entrenchment as place of refuge including ordnance depôt. Fortifications .. Rs. 16,000 Ordnance buildings .. .. 14,900 Laboratory .. 1,880	A	..	32,780	32,780	..	..	..	..	..	..	..	Estimates aggregating Rs. 34,280 sanctioned in G.O., No. 3060 W., of 30th October 1883.
				Total ..		1,78,800	3,67,805	5,46,605	54,660	6,01,265	3,50,000	2,18,791	14,269	..	11,84,325	