

(1) Number of pages 24
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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

P. M. D. DEPARTMENT

G.O. No.	53 (W)	Press.
B.P. No.		Mis.
Dated	10. 1. 1884.	<i>[Signature]</i>

Not to be folded or roughly handled

Ch. G. 12

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.

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.
Eastern District.	Fort St. George ..	<i>Arms.</i> A verandah to Section II, VI, and VII, Store ..	Rs. 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 ..	520	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.	1,900	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. Recommended ..	Do. Do.
	Madras ..	A good water-tap for the quarters of the superintendent of fire-engines.	200	Very much needed ..	Do. ..	Do.
		<i>Body Guard.</i> Dispensary for veterinary department for Body Guard.	1,300	<i>Nil</i> ..	Do. ..	When funds are available.
		<i>Gun-powder Factory.</i> Breaking down house ..	500	G.O., No. 59, dated 7th January 1874 ..	Recommended as being apparently portion of the scheme for the thorough renewal of the gun-powder factory— <i>vide</i> 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. 1501, dated 31st March 1875 ..	Do. ..	Do.
		Powder magazine ..	1,785	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 weavils into the main building. Estimate sanctioned in G.O., No. 1803 W., dated 5th July 1883.	Recommended.	Do.
		Wooden flooring and thorough repair. <i>Commissariat Department.</i> 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.

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.
Eastern District—cont.	St. Thomas' Mount.	Commissionariat Department—cont. Sinking a well, erecting a moat and trough apparatus, public cattle depot.	800	Required in the public cattle depot 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.	Recommended.	Do.
		Bath-room for hospital of the native infantry regiment.	260	Much required, there being no accommodation which could be used for the purpose.	Do.	Do.
	Vizianagrum.	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.	1,990	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.	Do.	Do.
		School-house for a native infantry regiment.	960	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. 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. 3764, dated 6th July 1883. P.W., No. 1768, dated 23rd June 1883.	Do.	Do.

Western District.	Mangalore.	Barracks, Native Infantry. Forge trough and cupola to the armourer's workshop, also a screen as per clause c, 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.
	Calicut.	European Infantry. Introducing dry earth system.	758	An important work. G.O., No. 2590 W., dated 4th October 1882.	Important	Most important.
	Cannanore.	European Infantry. Replacing the laterite flooring of the recreation room with concrete in chunam and asphalt.	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 asphalt.	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 asphalt.	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.
	Quilon.	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. 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.	Bangalore.	Royal Artillery. 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. Much required. No cover for issue of rations.	Urgently required.	Recommended.
		Battery shed for field batteries.	1,750	Very necessary. There is at present no quarters for quartermaster-sergeant. The Committee recommended the conversion of the present camp store into a quarter, the camp equipment being removed into old foot artillery barracks. First time recommended.	Desirable.	When funds are available. Approved.
		A battery staff sergeant's quarters for Royal Horse Artillery. One more required is now desirable.	1,100		Conversion recommended.	

Cost 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.*

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 Barracks 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.		<i>Native Infantry Hospital.</i> Two small canteens for use by 25th and 27th regiments.	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 for sick. The flies are distant about 1 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. 2530 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.
	Bellary—cont.	<i>Ordnance Depot.</i> Out-houses for the quarters of the laboratory sergeant, attached to the ordnance department.	629	These quarters have been recently formed from a portion of the depot 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.
		<i>Female Hospital.</i> 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 24th October 1883.

SCHEDULE of the probable requirements of the Madras Presidency on account of Imperial Works for 1884-85.
BUILDINGS AND ROADS.

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Class.	ORIGINAL WORKS.				Repairs.	Estab-lishment.	Tools and Plant.	Subsistence.	Grand Total.	Remarks.
						Major Works.		Minor Works.	Total.						
						Works in progress.	New Works.								
				IMPERIAL, ORDINARY.	A	40,000	..	40,000	..	Rs.	Rs.	Rs.	Rs.	Rs.	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. 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. 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. Estimate awaited. Item No. 17, Appendix B, Budget of 1883-84. Estimate awaited.
	Chingleput.	St. Thomas' Mount.	1	New barracks for Royal Artillery.	A	40,000	..	40,000	..	Rs.	Rs.	Rs.	Rs.	Rs.	Estimate of Rs. 20,160 sanctioned in G.O., No. 2747 W., of 1st October 1883. Estimate awaited. Item No. 1, Appendix B, Budget of 1883-84.
	Coimbatore.	Malapuram.	2	Barracks for detachment British Infantry to accommodate 160 men.	A	40,000	..	40,000	..	Rs.	Rs.	Rs.	Rs.	Rs.	Estimate of Rs. 20,160 sanctioned in G.O., No. 2747 W., of 1st October 1883. Estimate awaited. Item No. 1, Appendix B, Budget of 1883-84.
	Presidency.	Bangalore..	3	Alterations and additions to wash-houses for the British Infantry.	A	4,500	..	4,500	..	Rs.	Rs.	Rs.	Rs.	Rs.	Estimate of Rs. 20,160 sanctioned in G.O., No. 2747 W., of 1st October 1883. Estimate awaited. Item No. 1, Appendix B, Budget of 1883-84.
	Do.	Fort Saint George.	4	A covered gymnasium to be erected in the Ball Alley of the European regiment.	A	..	9,800	9,800	..	Rs.	Rs.	Rs.	Rs.	Rs.	Estimate of Rs. 20,160 sanctioned in G.O., No. 2747 W., of 1st October 1883. Estimate awaited. Item No. 1, 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	..	Rs.	Rs.	Rs.	Rs.	Rs.	Estimate of Rs. 20,160 sanctioned in G.O., No. 2747 W., of 1st October 1883. Estimate awaited. Item No. 1, Appendix B, Budget of 1883-84.
	Chingleput.	St. Thomas' Mount.	6	Constructing six blocks of stables for two field batteries of Royal Artillery.	A	..	20,160	20,160	..	Rs.	Rs.	Rs.	Rs.	Rs.	Estimate of Rs. 20,160 sanctioned in G.O., No. 2747 W., of 1st October 1883. Estimate awaited. Item No. 1, Appendix B, Budget of 1883-84.
	Do.	Do.	7	Plunge bath for Royal Artillery.	B	..	12,600	12,600	..	Rs.	Rs.	Rs.	Rs.	Rs.	Estimate of Rs. 20,160 sanctioned in G.O., No. 2747 W., of 1st October 1883. Estimate awaited. Item No. 1, Appendix B, Budget of 1883-84.

(1) Accommodation for troops—Buildings for European troops in the plains—Permanent.

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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.	Estab-lishment.	Tools and Plant.	Sub-senses.	Grand Total.	Remarks.	
						Major Works.			Minor Works.							Total.
						Works in pro-gress.	New Works.	Total.								
Accommodation for troops—Buildings for European troops. In the plains—Permanent.	Presidency.	Bangalore.	8	IMPERIAL, ORDINARY— cont. Military—cont. 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	..	4,830	4,830	..	..	..	..	..	..	Estimate awaited. Item No. 16, 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. 2099 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.	Coimbatore.	14	Plunge-bath for British Infantry.	B	..	4,000	4,000	..	..	..	..	..	..	Estimate awaited.	
	Do.	Malapuram.	15	Canteen for detachment British Infantry.	B	..	6,000	6,000	..	..	..	..	..	..	Estimate of Rs. 4,000 sanctioned in G.O., No. 418, of 10th Feb- ruary 1876. Item No. 6, Appendix B, Budget of 1883-84.	
	Nilgiri	Wallington.	16	Extending the 6-inches water main-pipe from the barrack square to the married quarters at	A	9,400	..	9,400	..	..	..	..	..	..	Estimate awaited. Item No. 3, Appendix B, Budget of 1883-84.	
	Do.	Do.	17	Gymnasium at	B	..	15,000	15,000	..	..	..	..	..	..	Estimate of Rs. 9,500 sanctioned in G.O., No. 198 W., of 18th January 1882. Item No. 25, Appendix B, Budget of 1883-84.	
Do. do. in the hills —Permanent.																

Presidency.	Madras	18	New regimental school at the Pambur lines.	B	..	2,500	2,500	..	..	..	..	..	..	..	..	Do.
Do.	Do.	19	Two latrines for the regimental lines at Rayapetam.	B	..	3,000	3,000	..	..	..	..	..	..	..	..	Do.
Chingleput.	Pallavaram.	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	..	6,000	6,000	..	..	..	..	..	..	..	..	Do.
Presidency.	Bangalore.	23	Accommodation for regiment of Native Cavalry.	A	..	29,500	29,500	..	..	..	..	..	..	..	..	Estimate awaited. Item No. 24, Appendix B, Budget of 1883-84.
Do.	Do.	24	Place of arms and armourers' shop.	A	..	14,610	14,610	..	..	..	..	..	..	..	..	Estimate awaited.
Do.	Do.	25	Infantry (less magazine).	A	3,960	..	3,960	..	..	..	..	..	..	..	..	Estimate awaited. Item No. 26, Appendix B, Budget of 1883-84.
Trichinopoly.	Trichinopoly.	26	Regimental latrines for Queen's Own Sappers and Miners.	A	..	17,200	17,200	..	..	..	..	..	..	..	..	Estimate awaited. Item No. 28, Appendix B, Budget of 1883-84.
Do.	Do.	27	Accommodation for one regiment of Native Infantry.	A	..	17,200	17,200	..	..	..	..	..	..	..	..	Estimate awaited.
Do.	Do.	28	Place of arms and guard-room.	B	..	6,200	6,200	..	..	..	..	..	..	..	..	Estimate awaited. Item No. 33, Appendix B, Budget of 1883-84.
Bellary	Bellary	29	Cells.	B	..	2,665	2,665	..	..	..	..	..	..	..	..	Estimate awaited.
Accommodation for troops—Buildings for native troops.																

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24TH OCTOBER 1883, No. 3002 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following papers :—

From Brigadier-General R. C. STEWART, Quartermaster-General, to the Secretary to Government, Public Works Department, dated Fort St. George, 11th October 1883, No. 7094.

I have the honor, by order, to forward herewith the schedules of Military Works, major and minor, required to be provided for in the budget list of 1884-85.

2. Sir Frederick Roberts is about to address Government in the Military Department on the subject of the several large works of importance which are, in his opinion, of special urgency, and for execution of which he hopes funds may be made available next year; but meanwhile your attention is invited to them by their entry in red ink in the schedule.

From the same Officer, dated Fort St. George, 13th October 1883, No. 7151.

In continuation of this office letter, No. 7094, dated 11th instant, I have the honor, by order, to forward a supplementary schedule of Military Major Works, providing for the construction of new barracks for the Royal Artillery at St. Thomas' Mount.

Office note from the Examiner, Public Works Accounts, dated 13th October 1883, No. 734.

ORDER—dated 24th October 1883, No. 3002 W., Public Works.

Ordered that the schedules of military requirements on account of the Public Works Department, in the Madras Presidency, be forwarded to the Government of India, in the Military Department, in compliance with their No. 922 M.W. of the 21st September 1883.

2. Ordered also that the lists of military works be printed and circulated to the Superintending Engineers, in view to the necessary plans and estimates being early prepared and submitted for sanction.

24TH OCTOBER 1883, No. 3002 W., PUBLIC WORKS.

3. The Superintending Engineers concerned will take immediate steps for the preparation and submission, for sanction, of estimates for all unsanctioned works included in the schedule.

(Here enter No. 3003 W., dated 24th October 1883.)

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To Superintending Engineers.
To the Examiner, Public Works Accounts.
" Military Department.
" Financial "

Exd. A. Aubert.
Spare Copies

53/8

GENERAL
ACCOUNT.

Govt. of Madras.

PUBLIC WORKS.

Dated October, 24th.

Recd.

Encl.

G.O., 24th Oct. 1883, No. 3002 W.

OCTOBER.

Schedule of Military require-
ments

Ordered that the — on account of Public
Works in the Madras Presidency for 1884-85,
be forwarded to the Government of India.

Madras D. P. W.
Executive Engineer's Office

No. 451

Nilgiri Division

Ootacamund

15th December 1883.

From,

The Executive Engineer
Nilgiri Division
Ootacamund

To,

The Superintending Engineer
4th Circle

Sir,

With reference to my No. 440
of 10th Inst. I have the honor to
inform you that from the records
of this office I find that an estimate
of Rs 2,072 for "improving the drink-
ing water course at Wellington" was
executed in 1877-78.

The entry therefore of the work
in the schedule of military require-
ments communicated with G. O.

No.

No. 3,002 W of 24th October 1883,
under the name "erecting a stone
reservoir and laying pipes between
springs and outlet of spring water
supply" appears to be a mistake.

2 The water supply at Wellington
now seems to be satisfactory.

I have &

Signed / J. C. Larmine
Executive Engineer.
14-12-83.

No. 9
W.

True copy - Forwarded for the
information of the Chief Engineer
P. W. D with reference to the item
"Erecting a stone reservoir and
laying pipes between springs
and outlet of spring water" at
Wellington" printed in the list
of Military works to cost
Rs 2,500 and under and circulated

as

As appendix to G. O. No. 3,002 W
of 24th October 1883.

L. Beatty - Colonel R.E.
7 January 1884. Supy. Engineer IV Circle

St

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30302 W. 24.10.83.

Mr. W. J.

From

The Supt. Engineer
4th Circle.

Dated. 7th January 1884.
Received.

N^o 9
W.

Improving the drinking
water course at Wellington

Forwards copy of Hygiene
Division officers letter regarding
the — for information.

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N^o 53 W. PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT

UNDER date the 10th Jan/84

Read the following

Letter from the Supt. Engr. } H. E. N^o 9 of 7th Jan/84
Fourth Circle.

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Communicated
to the Military Deptt.
for the information of H. E.
the Commander-in-Chief
Madras.

The item will be
scored out of the state-
ment printed with G. O.
N^o 3002 W of 24 October 1883

Cy.
9.1.84

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The Military Deptt.
" S. E. 14 Circle
" Engr. P. W. A.

W.
9.1.84

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Govt. of (1883) Madras.

PUBLIC WORKS.

Dated

(127)

Recd.

Engl.

G. O. 18th Jan'y 1884 No. 534.

Drinking Water Course
at Wellington

Report of the Sd. that
the superwork to the —
was completed in 1877/78
and that the entry of the
same work in the
Schedule of Military
Demands for 1884/85
is a mistake, caused
to the Milly Dept.

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Subin Dept Dept