

(1) Number of pages _____

(2) Date of repair _____

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. 2203
32-33

Press
Miser

Dated 2-8-1865.

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
2nd August 1865.*

No. 32. Read the following Proceedings of the Madras Government in the
Military Department :—

Recording certain papers relative to the }
accommodation for Troops at the Sta- }
tions of Wellington and Cannanore, } (Here enter 23th July 1865, No. 2,789.)
and the outposts of Calicut and Mallia- }
poorum. }

No. 33. ORDER THEREON, 2nd August 1865, No. 2,203.

MILITARY WORKS, No. 3.

Communicated to the Superintending
Engineer of the 7th Division.

(True Extract.)

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

To the Superintending Engineer of the 7th Division.

Exd. S. T. Augustin.

34

*Proceedings of the Madras Government, Public Works Department,
for the month of January 1860.*

No. 41. Proceedings of the Madras Government, dated 13th January 1860, No. 104.

Ordered that the following despatch from the Right Honorable the Secretary of State for India be communicated to the Chief Engineer with reference to paragraph 4 of the order 12th April 1859 No. 864, and to the Military Department.

TO HIS EXCELLENCY THE HONORABLE THE GOVERNOR IN COUNCIL, FORT SAINT GEORGE.
INDIA OFFICE,
London, 17th November 1859.

No. 35.

I have had before me in Council your letter No. 45 of the 8th September last relative to the barracks for 1,000 men under construction at Jackatalla which though commenced in 1852 are not expected to be completed until the middle of next year at the earliest, and the estimate for which amounting originally to more than £160,000 or at the rate of £160 per man, are expected to be exceeded by one tenth.

2. Both the costliness and the slow progress of these barracks are attributed mainly to the high price of labor on the hills and to the difficulty of manufacturing bricks there, and of procuring supplies of timber, and no hope is held out that these causes will not continue to operate. Labor in particular is stated to be scarcer and dearer than ever owing to the increased demand for it in the low country for railway operations and on the part of Agents from the Mauritius and Ceylon.

3. In these circumstances a valuable resource might apparently be found in the men of the European Battalion already quartered in the finished portions of the barracks who would be at least as well fitted for most kinds of unskilled labor as ordinary coolies and who would probably require little inducement in the form of working "pay" to aid to the best of their ability, in the construction of buildings designed for their own accommodation.

(Signed) C. WOOD.

(True Extract and Copy.)

(Signed) T. PYCROFT,
Chief Secretary.

*Proceedings of the Madras Government, Public Works Department,
for the month of February 1860.*

No. 67. Read the following letter from Colonel J. H. BELL, Chief Engineer; to the Secretary to Government, dated 21st February 1860, No. 10545.

I have the honor to report the following circumstance for the information of Government.

2. In consequence of the limited sum of Rupees 3,55,856 allotted to the Special Executive Engineer, Jackatalla, for the current year, that officer brings to notice that this amount is being fast expended, and from want of funds he has been compelled to discharge a large number of his workmen who have been collected with great difficulty, and that unless additional funds be sanctioned, he will be placed under the necessity of dispensing with many more.

3. With a view of relieving the Special Executive Engineer from the predicament in which he is at present placed, the District Engineer of Coimbatore has informed him, that he is in a position without detriment to the works in his district, to place at his disposal the sum of Rupees 15,000: on the receipt of this letter the District Engineer of Coimbatore has been informed by Telegraph to transfer to Captain Farewell all the funds that he can spare.

4. As the Government doubtless will perceive the inconvenience and loss likely to be experienced by the dismissal of the workmen collected by the Special Executive Engineer, I have the honor to request that permission be granted to expend in the current year, Rupees 70,000 out of Rupees three lacs allowed in the budget for the ensuing year for the Jackatalla works.

5. The advance now solicited, though large, I am compelled to ask for its sanction not only for the reasons assigned above, but also to aid the Special Executive Engineer to carry on the completion in the next two favorable working months, of the married mens' quarters as expeditiously as possible, for the accommodation of the families now on their way from England.

6. The average expenditure of Captain Farewell during the past three months has been

	Rs.	Rupees 47,000, and from the sum allotted for the current year
Amount allotted.....	3,55,856	he has expended up to the end of January 1860, Rupees 3,44,111,
Expended.....	3,44,111	leaving a balance of Rupees 11,745 for prosecuting the works for
Balance.....	11,745	the remaining three months of the current official year.

No. 68. ORDER THEREON, 25th February 1860, No. 411.

Under the circumstances represented in this letter, the Government authorize the Collector of Coimbatore to advance the sum of Rupees (70,000) seventy thousand to the Special Executive Engineer at Jackatalla in anticipation of the budget sanction for 1860-61. This advance will be reported to the Government of India.

(Signed) T. PYCROFT,
Chief Secretary.

No. 69. Ordered in consequence that the following letter be despatched.

From T. PYCROFT, Esq., Chief Secretary to the Government of Fort Saint George; to Colonel H. YULE, Officiating Secretary to the Government of India, Department Public Works, dated 25th February 1860, No. 412.

In transmitting to you for submission to the Government of India copy of a letter No. 10545 dated the 21st instant from the Chief Engineer bringing to notice the insufficiency of the funds allotted to the Jackatalla works for the current year and urging the necessity of a grant in anticipation of the budget sanction for 1860-61, I am directed to report, for approval, that, under the circumstances represented therein, this Government have, in compliance with Colonel Bell's request, authorized an advance of Rupees 70,000 being made to the Special Executive Engineer at Jackatalla on the sum of Rupees 3,00,000 which it is proposed to expend on the works in question during the ensuing year.

Proceedings of the Madras Government, Public Works Department,
for the month of February 1860.

No. 95. Read the following letter from Colonel J. H. BELL, Chief Engineer; to the Secretary to Government, dated 13th February 1860, No. 10253.

I have the honor to acknowledge receipt of Proceedings of Madras Government marginally noted, regarding the construction of Cells to each barrack occupied by European soldiers, and to state for the information of Government, that the construction of the Military Prison at Jackatalla is at present delayed on account of the iron piping, which is to be let into the wall of the building to secure warmth,* plans for which have been forwarded to the Home Government.

No. 86. ORDER THEREON, 27th February 1860, No. 421.

Communicated to the Military Department with reference to the order in that Department 2nd instant No. 495.

2. The Government presume that the Chief Engineer has already called upon the District Engineers concerned to prepare in communication with Commanding Officers of European corps and with all practicable despatch, estimates for the additional number of Cells which it will be necessary to provide in the event of the substitution of other punishments for corporal punishment.

(Signed) T. PYCROFT,
Chief Secretary.

*Proceedings of the Madras Government, Public Works Department,
for the month of March 1860.*

No. 35. Read the following Proceedings of the Madras Government in the Military Department, dated 8th March 1860, No. 964:—

Approving for immediate execution an Estimate of Rupees 20,160 for extending the excavation of the Hill behind the married Men's Quarters at Jackatalla. } (Vide Military Proceedings from 1st to 10th March 1860, Nos. 204-205.)

No. 36. ORDER THEREON, 14th March 1860, No. 532.

Ordered to be communicated to the Chief Engineer with reference to his letter dated 24th December 1859 No. 8730.

(Signed) C. G. MASTER,
Dy. Secretary to Government.

MILITARY DEPARTMENT.
PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following letter :—

From the Chief Engineer, Fort Saint George, 24th December 1859, No. 8730; to the Secretary to Government, Public Works Department.

Enclosures 3.

1 Letter from the Special Executive Engineer Jackatalla, No. 242, dated 1st December 1859.

1 Plan.

1 Abstract Estimate.

No. 2315, Public Works Department, dated 27th September 1859.

With reference to the Proceedings of the Madras Government marginally noted, calling attention to para 3. of a letter No. 6249. 7th September 1859, from the Officiating Secretary to the Government of India, to your address suggesting for consideration, that the Privies attached to the married men's Quarters at Jackatalla should be placed further away from the main building. I have the honor to forward the accompanying Estimate amounting to Rupees 20,160 for ex-

tending the excavation of the Hill behind the married men's Quarters, for the purpose of erecting Privies at a distance of 100 feet from the main buildings in the stead of 30 feet and extending the covered passage to the same.

2. The Special Executive Engineer at Jackatalla has had a consultation with the Officer Commanding the station, the Officer Commanding Her Majesty's 3rd Battalion 60th Regiment of Royal Rifles, and the Senior Medical Officer on the subject, the result of which has been, that all were unanimous in thinking that the erection of Privies 30 feet only in rear of the married men's Quarters was much too close to the occupied rooms of the buildings and that a distance of 80 feet would be much more conducive to the health of the occupants as well as their comfort.

3. The first intention was that the Privies should be let into the Hill, but it has since been recommended, and I am of the same opinion, that it would be far preferable to clear away the whole space at a distance of 80 feet, causing an excess of Rupees 4,850 on the first proposal.

4. As the work should be executed as soon as possible, as the families of the Regiment may be shortly expected, I have the honor to solicit the early sanction of Government for the execution of the Estimate, amounting to Rupees (20,160) twenty thousand one hundred and sixty, to admit of which the expenditure on other works will be reduced to bring the general expenditure within the allotment.

5. Para. 4 of the same letter above alluded to, will form the subject of another letter.

ORDER NO. 964, 8th March 1860.

1. Approved for immediate execution as proposed in para. 4.

2. With reference to the proposed mode of meeting the expenditure on this work, the Governor in Council desires whenever the Chief Engineer suggests any particular course in respect to the provision of funds, otherwise than by direct sanction, he will quote in the margin of his report, the rule under which Government are authorised to sanction the course proposed.

(True Extract.)

Ag. Dy. Secretary to Government.

To the Department Public Works, with 3 enclosures.

„ Quarter Master General.

Exd. W. D'Arachy.

2-8-201

1800

13

*Proceedings of the Madras Government, Public Works Department,
for the month of March 1860.*

No. 145. Read the following Proceedings of the Madras Government in the Military Department, dated 9th March 1860, No. 932:—

Referring for consideration whether the Estimate of Rupees 6,220 for an earthen parapet to the North-west side of the Barracks at Jackutalla is to form an additional charge, and observing that the only item in the Estimate properly admissible as an extra charge is that for turbing the parapet. (Vide Military Proceedings from 1st to 10th March 1860, Nos. 249 @ 251.)

No. 146. ORDER THEREON, 19th March 1860, No. 588.

Ordered to be communicated to the Chief Engineer for explanation with reference to his letter dated 20th January 1860, No. 9393.

(Signed) J. D. BOURDILLON,
Secretary to Government.

MILITARY DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following :—

Proceedings of the Madras Government in the Public Works Department.

Read the following letters :—

From the Chief Engineer, 20th January 1860, No. 9393 ; to the Secretary to Govt., Mily. Dept.

With reference to the orders of Government marginally* noted, I have the honor to forward the accompanying estimate, amounting to Rupees 5,220, for the construction of an earthen parapet to the North-west side of the barracks at Jackatalla.

1 Original letter from Special Executive Engineer, Jackatalla, No. 267, dated 24th December 1859.

1 do. from Quarter Master General, No. 107, dated 11th January 1860.

1 Plan.

1 Abstract estimate.

* Extract Minutes Consultation, No. 1431, dated 23rd July 1858.

2. The Special Executive Engineer has reported† that he proposes commencing leveling the barrack square immediately, and suggests that the earth removed instead of being thrown away down the slope of the hill, should be allotted for the construction of the earth parapet proposed by His Excellency the Commander-in-Chief to be constructed on the North-west side of the barrack, as sanctioned in the order above alluded to.

3. The proposal has been submitted to, and has met with the approval‡ of His Excellency the Commander-in-Chief, I have the honor, therefore, to solicit the sanction of Government for the construction of the earthen parapet on the North-west of the barrack, at Jackatalla, at a cost of Rupees (5,220) five thousand two hundred and twenty.

From the Special Executive Engineer, Jackatalla, 24th December 1859, No. 267 ; to the Deputy Chief Engineer, Southern Circle, Fort Saint George.

With reference to my letter No. 163, under date 16th September 1859, I have the honor to request you will be good enough to inform me, whether the project is to be carried out, in which case I would solicit authority to commence it, for, as it is a most favorable time of the year to excavate the barrack square for its permanent drainage, which if put off till the wet weather, will render the square disagreeable to the troops in barracks, I propose as I have a large number of coolies now to commence this work, but it would be a pity to carry all the earth requiring excavation over the sides of the plateau, when if the parapet is to be raised, the earth would have to be brought back again, but if I was able to carry out these two works together, I might save money at all events labor on both.

From the Quarter Master General of the Army, Fort Saint George, 11th January 1860, No. 107 ; to the Chief Engineer, Department Public Works.

In reply to your letter of 9th instant, No. 8950, enclosing a copy of a letter from the Special Executive Engineer Jackatalla, I am desired by the Commander-in-Chief to say, that he quite concurs with the latter Officer in this point.

ORDER THEREON, 1st February 1860, No. 260.

Referred to the Military Department, with reference to the order in that Department, 4th May 1858, No. 1567.

(True Extract.)

(Signed) T. PYCROFT,
Chief Secretary.

From the Chief Engineer, *Sepakkum*, 15th February 1860, No. 10308; to the Secretary to Government, Public Works Department.

In acknowledging the receipt of the Memorandum noted in the margin, transmitting one from the Military Department, dated 4th instant, I have the honor to state that the amount for levelling the Barrack square at Jackatalla, does

No. 65, dated 8th February 1860. not form an item in the Estimate submitted with my letter No. 9393, dated 20th ultimo.

2. The item for sloping the interior of the Parade for Drainage purposes, is not connected with that in the sanctioned Estimate for the Drainage of the Barrack and Hospital square.

ORDER, No. 982, 9th March 1860.

The Governor in Council approves of the suggestion of the Special Executive Engineer at Jackatalla, that the earth removed in levelling the Barrack square be allotted for the construction of the earth parapet proposed by His Excellency the Commander-in-Chief.

It will be considered in the Department Public Works, whether under the circumstances the Estimate submitted is to form an additional charge, as at present informed, it appears to the Governor in Council that the only item in the Estimate properly admissible as an extra charge is that for turving the parapet.

(True Extract.)

Acting Dy. Secretary to Government.

To the Department Public Works, with an Estimate and Plan.
„ Quarter Master General.

Exd. W. D'Arachy.

17
Proceedings of the Madras Government, Public Works Department,
for the month of April 1860.

No. 11. Read the following Proceedings of the Madras Government in the Military Department, dated 29th March 1860, No. 1,225:—

Communicating a letter from the Adjutant General of the Army containing the observations of the Commander-in-Chief regarding the employment of Soldiers on the works at Jackatalla. (Vide Military Proceedings from 21st to 31st March 1860, Nos. 273 @ 280.)

No. 12. ORDER THEREON, 2nd April 1860, No. 680.

Ordered to be communicated to the Chief Engineer for his opinion.

(Signed) C. G. MASTER,
Dy. Secretary to Government.

MILITARY DEPARTMENT.
PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following papers:—

Proceedings of the Madras Govt., Pub. Works Dept.

Referring a letter from the Chief Engineer, regarding the employment of Soldiers on the Works at Jackatalla. } Here enter 14th March 1860, No. 529.

Referred to the Commander-in-Chief for His Excellency's observations.
16th March 1860.

From the Adjutant General of the Army, Fort Saint George, 27th March 1860, No 299; to the Secretary to Government, Military Department.

I have the honor by order of the Commander-in-Chief, to acknowledge the receipt of Proceedings of Government Referring for observations, letter from the Chief Engineer Department in the Public Works Public Works, dated 27th ultimo, No. 10692, regarding the employment of Soldiers on the Works at Jackatalla. Department, with order thereon, dated 14th instant No. 529, referred for His Excellency's observations on the 16th idem.

2. Sir P. Grant directs me to state, that if Government see fit to employ a considerable body of Non-Commissioned Officers and Men on the Public Works at Jackatalla on working pay, His Excellency will give instructions to call for volunteer labourers to the extent of 100 men of all ranks, and have them excused all Military duty for a week at a time; but it seems to the Commander-in-Chief from the representation of the Executive Engineer, that this will prove a very expensive proceeding, and moreover that labor being abundant in the market it is unnecessary.

ORDER, No 1225, 29th March 1860.

Ordered that the foregoing letter from the Adjutant General of the Army be communicated to the Department Public Works.

(True Extract.)

Acting Dy. Secretary to Government.

To the Department Public Works.
„ Adjutant General

Exd. J. Davis.

214
*Proceedings of the Madras Government, Public Works Department,
for the month of April 1860.*

No. 79. Read the following letter from Captain C. H. DICKENS, Officiating Secretary to the Government of India, to T. PYCROFT, Esq., Chief Secretary to the Government of Madras, dated Fort William, 22nd March 1860, No. 1,508 :—

In reply to your letter No. 412, dated 25th ultimo, I am directed to inform you that the Honorable the President in Council confirms the sanction given by the Honorable the Governor of Madras in Council to the further grant of Rupees seventy thousand (70,000) for Military works at Jackatalla. This sum must, however, be considered as an addition to the outlay of 1859-60.

2. I am also to remark that the insufficiency of the sum allotted for the Jackatalla works ought to have been foreseen and reported earlier.

No. 80. ORDER THEREON, 16th April 1860, No. 764.

Communicated to the Chief Engineer and Accountant General with reference to the Order, 25th January, No. 411.

(Signed) J. D. BOURDILLON,
Secretary to Government.

2/5/86
31

*Proceedings of the Madras Government, Public Works Department,
for the month of May 1860.*

No. 58. Read the following letter from Major W. II. HORSLEY, Chief Engineer, to J. D. BOURDILLON, Esq., Secretary to Government, dated Chepauk, 12th May 1860, No. 458 :—

With reference to the Orders marginally quoted, I have the honor to submit the accompanying letters* from the Special Executive Engineer at Wellington, from which it appears that there will not in reality be any saving on the Estimate for Draining the Barrack Square, as the funds of that Estimate are required to complete the excavation of the Barrack Hill, the Estimate for which, viz., Rupees 15,300, is already expended, but if the Estimate for the Parapet is sanctioned as a separate charge and the earth be taken from the Barrack Square, it will prevent the excess on the drainage Estimate, which must otherwise accrue. The whole amount of the Estimate, Rupees 5,220, is therefore required to be sanctioned and the earth used in forming the Parapet, will be taken from the Barrack Square, for lowering which the available funds are otherwise insufficient.

No. 59. ORDER THEREON, 23rd May 1860, No. 1,077.

Ordered to be referred to the Military Department, with reference to the Order in that Department, dated 9th March 1860, No. 982.

(Signed) C. G. MASTER,
Dy. Secretary to Government.

2-8-86/

25-8

Proceedings of the Madras Government, Public Works Department,
6th June 1860.

No. 91. Read the following Proceedings of the Madras Government in the Military Department, dated 1st June 1860, No. 1,999 :—

Read the following Proceedings of the Madras Government in the Public Works Department.

Referring a letter from the Chief Engineer, stating that the whole amount of the Estimate of Rupees 5,220, will be required to be sanctioned for the construction of an earthen parapet at the Wellington Barrack. } (Here enter 23rd May 1860, No. 1,077.)

Approved for execution, whenever the season will admit of the work being carried out.

(Signed) R. HAMILTON, Lieut.-Colonel,
Deputy Secretary to Government.

No. 92. ORDER THEREON, 6th June 1860, No. 1,184.

Ordered to be communicated to the Chief Engineer for information and guidance with reference to his letter, dated 12th May 1860, No. 458.

(Signed) C. G. MASTER,
Dy. Secretary to Government.

1-5-547

*Proceedings of the Madras Government, Public Works Department,
22nd June 1860.*

No. 360. Read the following Proceedings of the Madras Government in the Military Department, dated 13th June 1860, No. 2,158:—

Approving an Estimate of Rupees 1,870 for the furniture required for fitting up one of the unfinished Barrack Rooms at Wellington, as a place of worship for Roman Catholics. } (Vide Military Proceedings, 13th June 1860, Nos. 61-62.)

No. 361. ORDER THEREON, 22nd June 1860, No. 1,319.

Ordered to be communicated to the Chief Engineer for information and guidance, with reference to his letter, dated 31st May 1860, No. 1,080.

(Signed) C. G. MASTER,
Dy. Secretary to Government.

2-8 57A

294

MILITARY DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following letter :—

From the Chief Engineer, Chepauk, 31st May 1860, No. 1080; to the Secretary to Government, Public Works Department.

Ecclesiastical.

No. 774, dated 16th April 1860, and para. 15 of Order No. 1305, dated 3rd idem, Military Department.

Enclosures 5.

3 Letters from Special Executive Engineer at Wellington, Nos. 346, 358, and 18, dated 4th and 24th April and 14th May 1860.

1 Plan.

1 Abstract Estimate.

Vide letter from Special Executive Engineer, No. 18, dated 14th May 1860.

With reference to the orders marginally quoted, I have the honor to forward an Estimate amounting to Rupees 1,870, for the furniture required for fitting up one of the unfinished Barrack Rooms at Wellington, as a place of worship for Roman Catholics.

2. With this exception, no additional expense will be required for adapting the Block to the purpose of Protestant and Roman Catholic worship, as furniture is already sanctioned for the Protestants, partly in the Order No. 1961, dated 15th August 1859, and the seats through the Commissariat Department.

3. The funds required for this work can be made available from the general allotment for the year 1860-61, in which there will be a considerable reduction.

4. The Estimate has been examined in this Office and found correct.

ORDER, No. 2158, 13th June 1860.

Approved.

(True Extract.)

To the Department Public Works, with 5 enclosures,
„ Quarter Master General.
„ Ecclesiastical Department.

Deputy Secretary to Government.

Exd. A. A. DeMonte.

2-5-54

312

*Proceedings of the Madras Government, Public Works Department,
27th June 1860.*

No. 445. Read the following Proceedings of the Madras Government in the Military Department, dated 20th June 1860, No. 2,264: —

Communicating a Home Despatch respecting the conversion
of the new Barracks at Jackatalla into a Sanitarium for
European Troops, and the mode of providing funds for the
erection of Barracks at Waltair, if such be deemed necessary. } (Vide Military Proceedings, 20th June, 1860,
Nos. 295-296.)

No. 446. ORDER THEREON, 27th June 1860, No. 1,362.

Ordered to be communicated to the Chief Engineer for information.

(Signed) C. G. MASTER,
Dy. Secretary to Government.

MILITARY DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following :—

- *Military Despatch from the Right Honorable the Secretary of State for India, India Office, London, 8th May 1860, No. 84.*

Para. 1. With reference to the opinion expressed in your Military Despatch No. 57, dated 3rd March 1860, that it will be practicable to convert the new Barracks at Jackatalla into a Sanitarium for European Troops as soon as Barrack accommodation can be provided elsewhere for the European Regiment now stationed at Jackatalla, I have to intimate to you the desire of Her Majesty's Government that the first opportunity may be taken to relieve that Regiment and to appropriate the Barracks to the purposes of a Sanitarium.

2. In regard to the erection of new Barracks for a European Regiment at Waltair, which is one of the subjects referred to in this Despatch, I would observe that it appears that no funds are available for such purpose from the sum allotted for expenditure in the Madras Presidency on Public Works for this year, and that if upon full consideration it be considered necessary on grounds of general policy or for strategical reasons to place a European Regiment at Waltair, the execution of that measure must be provided for in the Estimates of the year 1861-2.

ORDER, No. 2264, 20th June 1860.

Communicated to the Commander-in-Chief (Adjutant General and Quarter Master General's Department and Dy. Adjutant General, Her Majesty's British Forces) and to the Public Works Department.

(True Extract.)

Secretary to Government.

To the Adjutant General:

- „ Quarter Master General.
- „ Dy. Adj. General, H. M.'s British Forces.
- „ Department Public Works.

Exd. J. E. Cashart.

*Proceedings of the Madras Government, Public Works Department,
9th April 1861.*

No. 115. Read the following letter from Lieutenant-Colonel W. H. HORSLEY, Chief Engineer, to J. D. BOURDILLON, Esq., Secretary to Government, dated Chepauk, 26th March 1861, No. 11,381 :—

SIR,

1. With reference to the Proceedings of Government in the Revenue Department, dated 14th March 1861, No. 593, I have the honor to request that I may be informed whether the works at Wellington are not henceforth to be under the general control of the District Engineer of Coimbatore, the same as all other works in the Neilgherry Range.

2. Considering the small portion of work remaining to be done at Wellington, it appears to me that, to avoid misunderstanding, it is desirable that hereafter Captain Farewell should be subordinate to the District Engineer both as respects the Works at Wellington, as well as in the duties entrusted to him in the Proceedings of Government above referred to; and I accordingly request that this arrangement may be sanctioned.

3. In paragraph 10 of my letter of the 26th January 1861 No. 9,310, I stated that on the completion of the Military Works at Wellington, Captain Farewell would be absorbed among the twenty-six 1st Assistant District Engineers of the permanent Establishment, and I now request that until then, he may be allowed to continue the services of the Office Establishment heretofore maintained by him at a monthly cost of 150 Rupees, in addition to the Office Establishment authorized for the Range, as there will be plenty for both establishments to do until the accounts of the Wellington Works are closed.

No. 116.

ORDER THEREON, 9th April 1861, No. 706.

1. The Governor in Council concurs in the opinion expressed in paragraph 2 of this letter, and directs accordingly that the works at Wellington shall for the future be under the general control of the District Engineer of Coimbatore, like the other works of the District.

2. In compliance with the recommendation in paragraph 3, the Government sanction the continuance of the Office Establishment of the Special Executive Engineer at Wellington, in addition to the authorized range Establishment until the accounts of Military buildings at that station shall be closed. The Government trust, however, to the District Engineer and Captain Farewell to discharge from time to time such of the servants as the state of the works or of the accounts, may make it practicable to dispense with.

(Signed) J. D. BOURDILLON,
Secretary to Government.

4-5-54 01 374

*Proceedings of the Madras Government, Public Works Department,
13th November 1861.*

No. 183. Read the following Proceedings of the Madras Government in the Military Department, dated 7th November 1861, No. 4,006 :—

Deferring the completion of Block No. 4 Barracks at Wellington. } (Vide Military Proceedings, 7th November 1861, Nos. 157 @ 161.)

No. 184. ORDER THEREON, 13th November 1861, No. 2,109.

Communicated to the Chief Engineer for his information and guidance, with reference to his Memorandum, dated 8th August 1861, No. 3,698.

(Signed) J. D. SIM,
Secretary to Government.

MILITARY DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following papers :—

Memorandum from the Chief Engineer, Department Public Works, Chepauk, 8th August 1861, No. 3698.

Submitted for the information of Government.

1. Orders are solicited whether the Government will, under the circumstances stated, allow Captain Farewell, to prepare the necessary materials for completing Block No. 4 Barracks at Wellington, for which an advance of Rupees 33,000 is requested by that Officer. The walls of the lower story of No. 4 Block are completed, and covered in temporarily with a thatched roof, the further progress of the work having been stopped under the Orders of Government, No. 774, dated 16th April 1860, communicating Proceedings of Government, Military Department, No. 1305, dated 3rd April 1860—Paragraph 15 of these Proceedings, however, so far from ordering the stoppage of this work, made it the exception, and directed that it (there called the "Sixth Block,") should be completed, and converted into places of worship and Schools for Protestants and Roman Catholics. A portion of the lower story is now used as a temporary place of worship by the Protestants of the Regiment at Wellington.

2. It is very desirable on sanitary grounds that this Block should be completed, as at present for want of it a greater number of men are located in the rooms of the other Blocks than they were meant to contain.

3. Judging by the experience of the last two years, the Chief Engineer is of opinion, that the expenditure of the current year is not likely to exceed the aggregate Budget allotment for the Presidency, and that therefore the sum* asked for by Captain Farewell, for the preparation of materials for No. 4 Block might be given for that purpose from the Reserve Fund, without interfering with the progress of directly remunerative works.

4. The Plan and Estimate for repairing the Reservoir at Wellington, referred to in paragraph 1 of Captain Farewell's letter, as above, were submitted to Government with letter No. 3436, dated 1st August 1861.

From the Executive Engineer, Neilgherries, Wellington, 15th July 1861, No. 46; to the Deputy Chief Engineer Southern Circle, Madras.

I have the honor to report that, unless early sanction is accorded for the repairs of the Reservoir at this Station, I shall not be able to continue to employ the Company of Sappers and Miners stationed here, at present I have them employed on the Cantonment roads and minor works which are going on in the neighbourhood, but these cannot last long.

2. The principal works at this Station, with the exception of No. 4 Block of Barracks and the Military Prison, (both of which works are in abeyance) are completed, I have therefore been obliged to discharge the Bricklayers and a great number of Carpenters, who however have not yet left the Hills, hoping that sanction for some work or another will be granted shortly, which I trust will be the case, as if not I shall have a great deal of difficulty in collecting skilled Artificers again.

3. I would also bring to your notice that after the flooring required for the Staff Quarters is sawn up, the Steam Saw Mill will have nothing to do. Should it be contemplated to complete No. 4 Block of Barracks next year, as a great quantity of timber will be required to be prepared for it as well as other materials, a memorandum of which I enclose. To avoid loss of time, I strongly recommend that sanction be solicited (if funds are available) for a sum of thirty-three thousand Rupees for the preparation of the materials. The value of the materials required is estimated at Rupees thirty-one thousand, two hundred and six, I however solicit sanction for the sum of thirty-three thousand Rupees, as this would give me an ample margin for Contingencies likely to occur over so large an expenditure. If the sanction asked for is accorded, the Steam Saw Mill will be fully employed during the remainder of the year. I would also note for your information that the timber necessary for the work is already virtually paid for, the Forest Department, owing these works 52,212-4-2, for timber laying in the Forest and at the various

Dépôts, when the Forest was transferred from the Barrack to the Forest Department, so the timber received from the Forest for this work, would materially assist in enabling the works to recover the amount now due by the Forest Department to them which it would otherwise take a long time to effect.

4. It would also be advisable to prepare the terrace bricks and tiles (wanted for the building) at the end of this or early next year, the best time for making bricks at this Station. Of wall bricks we have sufficient on hand.

5. The stone work for the flooring, you will observe by the memorandum enclosed, will take at least ten months to prepare. The stone-cutters are now engaged on the Racket Court flooring, and in preparing cut stone for the Barrack square and Hospital drainage, when these works are completed, I shall have nothing else for them to do and they will leave the Hills, and it will not be an easy matter to induce them to return again, as they dislike the climate and the expense of living on the Hills, and complain of the difficulty of dressing the very hard granite used for these works; the stone-cutters are induced to come to the Hills by the Contractors making very large advances to them, which they are compelled to remain and clear off, so long as work continues, they receive further advances and are consequently bound to continue to work for the Contractors; if however these advances are withheld by the Contractors, which of course they will be on the work drawing to a close, they will all leave the Hills and will not return. In proof of this a short time ago, I was obliged to close accounts with a stone Contractor unable to furnish me with Security, as soon as he settled with his stone-cutters, all of them left the Hills and could not be persuaded to take work with the remaining Contractors on any account.

From the Quarter Master General of the Army, Head Quarters, Ootacamund, 16th October 1861, No. 235; to the Secretary to Government, Military Department.

I have the honor, by order of the Provincial Commander-in-Chief, to submit, for the information of Government, the following correspondence which has taken place on the subject of the use which can be made of Wellington as a Sanitarium, and of the desirability of obliging sick Officers to occupy public Quarters at that place.

2. The papers which originated this correspondence were forwarded direct by His Excellency the Governor to the Provincial Commander-in-Chief, and these I am desired now to return. As the information required by Government cannot all be obtained immediately, the Provincial Commander-in-Chief will no longer withhold such as has already been elicited.

3. On the 7th ultimo, I addressed the Principal Inspector General the following letter.

I. "The prospective abandonment of the Cantonment of Wellington as a Station for Effective Troops, has led to the consideration of how far it can be made available as a Sanitarium for European Invalids.

II. "The present limit is 150 men; but, on the withdrawal of the Regiment now stationed there, the number can be increased to any amount, within probable necessity.

III. "The Provincial Commander-in-Chief requests you will be so good as to state, what number of men it might, on average of past experience, be found necessary to send there annually from Regiments at Madras, the Mount, Trichinopoly, Bangalore and Cannanore.

IV. "The Rule prevailing in Bengal, in respect of sending Sick Soldiers to Hill Stations, is that all Soldiers who may present an appearance of debility, or whose lengthened residence in India has rendered a change of climate advisable, may be sent to the nearest Hill Stations.

"These men should be divided into two classes.

1st. "Those whose health actually requires a change.

2nd. "Those whom it may be considered desirable to send to the Hills.

"This liberal scale of leave has the further advantage of inducing Soldiers to wish to go to the Hills. They do not like to go singly, but in society, they are glad to do so.

"Officers Commanding Divisions are desired to take immediately the usual steps to carry this into effect, reporting to the Adjutant General Her Majesty's Forces, the number sent from each Corps."

V. "In estimating the number who should be sent to Wellington, the same consideration should be entertained, and the probable number for whom change is desirable, stated under both classes.

VI. "The other Stations in the Presidency at which European Soldiers are located, are provided for in part, Secunderabad and Bellary having Ramandroog, Jaulnah some one of the Sanitaria in Bombay. It is believed, that sick are never sent from Kamptee to the Neilgherries; but, as a Battery of European Artillery is at Waltair, it might be desirable to send some of the sick thence to Wellington, by Sea to Madras. The expediency of including this Station among the others will depend upon your judgment.

VII. "It has been suggested also, that the buildings might be made use of, in providing Quarters for Sick Officers. This, certainly, might be feasible, if Officers ordered to the Hills on Sick Certificate were required to avail themselves of the Quarters, on the condition of forfeiture of House rent. If left optional, it is probable that, few Sick Officers would resort to Wellington, when Ootacamund presents so many more attractions. If you have any observations to offer on this topic, the Provincial Commander-in-Chief will be glad to be informed of them."

4. To it the Principal Inspector General Medical Department replies thus:—

"I have the honor to acknowledge the receipt of your letter, No. 232, dated 7th September,

* "Madras.
Mount.
Trichinopoly.
Bangalore.
Cannanore."

"and to state, for the information of the Provincial Commander-in-Chief

"in reference thereto, that I am instituting inquiries to elicit data on

"which to ground an average Estimate of how many Invalids from the

"Stations* you enumerate, it might be found desirable to send to Wel-

"lington, should the buildings there be given up solely for the purposes

"of a Sanitarium. When I am enabled to form a definite opinion, I shall

"lose no time in offering my sentiments, for the consideration of the Commander-in-Chief, but, in the meantime, I beg to submit a few observations on the general question."

2. "The peculiar diseases of a tropical climate, specially as they prevail among Soldiers, and taking their generally careless habits into consideration, are not such as are benefited by the Hill climates of India. But there is a large class of men, who, not laboring under actual disease, would be greatly benefited by a change thereto; individuals exhausted by the enervating effects of a residence on the Plains; or young Soldiers, whose constitutions are not yet thoroughly established, and their systems undeveloped. Of this latter description, very many have presented themselves, during my experience of the three previous years, when, owing to the urgency of the State necessity, a lower standard of Recruits was admitted; and though so many may not present themselves hereafter, a large number will always be found. These would range in the 2nd Class of subjects mentioned in the Bengal rule quoted by you, and their number would be difficult to estimate even approximately."

3. "I am decidedly of opinion, that even from Waltair might frequently be sent by sea to Madras and thence to the foot of the Hills by Railway, with great prospect of advantage."

4. "With reference to the concluding paragraph of your letter under acknowledgment, I beg to express my entire approval of Quarters for sick Officers being provided at Wellington, if possible for married as well as single. There are very few cases in which a sudden transition from the Plains to the rigorous climate of Ootacamund is desirable; a resort, in the first instance, to the milder climate of Coonoor or Wellington is, in almost every case, beneficial. I have always thought, from some knowledge of the various Stations of the Neilgherries that, if I had the enactment of the rules, every sick Officer should repair at first to Coonoor, and be only allowed to pass on to Ootacamund, when their Medical Attendant or a Committee should recommend it. It would be an admirable thing for Medical Officers to have it in their power at once to transfer a patient, whose ailment be perceived—the climate of Ootacamund not agreeing with to the Officers' Quarters at Wellington; and I need not say, that there are often instances in which it would be desirable, to send the patients where more strict discipline could be enforced, than there are the means of exercising at Ootacamund; for at Wellington, no doubt, a Commandant would be placed, and attention to Regulation exacted. When a patient should be considered in fit state to pass on to Ootacamund, I am of opinion, that his liberty should have as few restrictions placed on it, as is consistent with a due regard to his welfare. Recreation and freedom from restraint would be necessary to him."

5. As soon as the further information procured by Dr. Cole is furnished, Major General Budd will have the honor of again addressing Government.

ORDER, No. 4006, 7th November 1861.

The Governor in Council observes, with reference to the foregoing communication from the Chief Engineer, that, under the contemplated withdrawal of the Regiment now stationed at Wellington, the completion of No. 4 Block may be deferred, for the present.

2. Orders were passed for the repairs of the Reservoir in Proceedings of Government, No. 3112, dated 4th September 1861.

3. The subject of the Quarter Master General's letter above recorded, will be considered on receipt of the further Report promised.

(True Extract.)

Deputy Secretary to Government.

To the Department Public Works.

„ Quarter Master General.

„ Principal Inspector General Medical Department.

„ Adjutant General, for information.

Exd. T. Stubbs.

*Proceedings of the Madras Government, Public Works Department,
1st May 1862.*

No. 33. Read the following Endorsement of the Deputy Chief Engineer, Southern Circle, dated Chepauk, 15th April 1862, No. 12,711.

Read the following letter from Captain W. FAREWELL, Executive Engineer, Wellington, to Colonel W. I. BIRDWOOD, Deputy Chief Engineer, Southern Circle, dated Neilgherries, 3rd April 1862, No. 260:—

SIR,

With reference to Extract from your Proceedings No. 11,916, under date the 25th March 1862, I have the honor to report for the information of the Chief Engineer and Secretary to Government, that the estimates for the pipe drainage of the Barrack roofs at Wellington, was sanctioned by Government on the 18th of August 1857, and the amount entered in the Budget List of 1861-62, under the head of "Drainage of Barrack roofs" was applied for with the view of completing the roof drainage, which was only commenced last year, but as it was desirable to postpone the remaining portion of the roof drainage, till the stone work of the Barrack square drainage was completed, which it will be in the middle of the next official year, the roof drainage piping required was not sent for; I would however note that I asked; for permission to obtain the pipes in January 1862.

1 Original letter No. 260, dated 3rd April 1862.

* Rupees 14,030.

† Item 32.

‡ Do. 19.

1. Submitted for the information of Government with reference to their Proceedings No. 501, dated 20th March 1862.

2. The estimate* for the drainage of Barrack roofs at Wellington was sanctioned in Extract Minutes of Consultation, No. 1,599, dated 18th August 1857, the amount was entered in the current year's Budget,† and has been entered in that‡ for the ensuing year, under the head "drainage of Barrack roof."

3. The completion of the roof drainage was deferred until the stone work of the Barrack square drainage was finished, (which will be in the middle of 1862-63) and Captain Farewell reports that the piping required for roof drainage was therefore "not sent for."

(Signed) W. I. BIRDWOOD, Colonel,
Deputy Chief Engineer, Southern Circle.

No. 34. ORDER THEREON, 1st May 1862, No. 906.

The Government decline sanctioning Captain Farewell's proposal to obtain from England, through Messrs. Jennings & Co., the cast iron pipes required to complete the roof drainage of the Barracks at Wellington, and direct that the course laid down in the Honorable Court's Despatch to the Government of India, dated 8th November 1855, No. 83 (printed at page 129, C. O. Book), be observed in this and in all similar cases. Captain Farewell should furnish an Indent with full description, and also a drawing of the pipes required, for early transmission to the Secretary of State for India.

(Signed) W. H. HORSLEY, Lieut.-Colonel,
Secretary to Government.

452

*Proceedings of the Madras Government, Public Works Department,
5th May 1862.*

No. 115. Read the following Proceedings of the Madras Government in the Military Department, dated 28th April 1862, No. 1,524.)

Stating that they have no objection to the course proposed } (Vide Military Proceedings, 28th April 1862,
by the Deputy Chief Engineer, Southern Circle, regarding } Nos. 545-546.)
the removal of night soil from the Wellington Barracks.

No. 116. ORDER THEREON, 5th May 1862, No. 948.

Communicated to the Deputy Chief Engineer, Southern Circle, for information and guidance.

(Signed) W. H. HORSLEY, Lieut.-Colonel,
Secretary to Government.

MILITARY DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following papers:—

Memorandum from the Quarter Master General of the Army, Fort Saint George, 7th April 1862, No. 2725.

Forwarded to Government, with reference to Proceedings of Government, Military Department, No. 1101, dated 25th March 1862.

From the Commissary General, Madras, 4th April 1862, No. 5058; to the Quarter Master General of the Army, Fort Saint George.

In acknowledging your Memorandum* forwarding for information Proceedings of Government for my observations, on the letter of the Deputy Chief Engineer Southern Circle, regarding the removal of night soil from the Wellington Barracks, I have the honor to state that I am of opinion that the plan proposed by Mr. Groves, of Coonoor, for the removal and utilising the sewage, appears to possess many advantages, and that his proposition may be accepted, with a view in the first place to his testing his project for his own satisfaction and at his own risk, when further arrangements as to the terms upon which he may be allowed to hold the Contract might be entered into.

ORDER, No. 1524, 28th April 1862.

The Governor in Council sees no objection to the course proposed in paragraph 2 of the Deputy Chief Engineer's letter No. 11,033, dated 28th February 1862, recorded in the Proceedings of Government marginally noted—further orders being reserved until the result of the measure is reported to Government.

(True Extract.)

Deputy Secretary to Government.

To the Quarter Master General.
 „ Public Works Department.
 „ Barrack Master.
 „ Commissary General.

Exd. A. A. DeMonte.

514

*Proceedings of the Madras Government, Public Works Department,
21st July 1862.*

No. 455. Read the following Endorsement of Lieutenant-Colonel S. O. E. LUDLOW, for Deputy Chief Engineer, Southern Circle, dated Chepauk, 11th July 1862, No. 62 :—

Read the following letter from Captain W. FAREWELL, Executive Engineer, Wellington, to Lieutenant-Colonel J. OUCHTERLONY, Deputy Chief Engineer, Southern Circle, dated Wellington, 8th July 1862, No. 40.

SIR,

1. With extreme regret I have the honor to report that the temporary building (*i. e.*, the lower story of No. 4 block of Barracks thatched in) used as Protestant and Roman Catholic places of worship, was last night burnt down, and I am sorry to say that my own conviction is that the act was that of an incendiary.

2. The whole of the interior fittings, doors and windows, door and window frames, sashes, &c., also those of the upper story of the building stored here for the last three years, trusses, and purlins of the permanent building on which the thatch rested have been destroyed; a good deal of the Church furniture was rescued, but even this has been much broken in the hurry of removing it from the burning building.

3. Unfortunately I was not called until after all damage was done and the fire extinguished, so I am unable to report from my own personal observations what was done, but am given to understand that every exertion was made by the Garrison to stay the fire but to no purpose, a high wind blowing at the time the whole of the thatch was ignited in a few minutes and the building enveloped in flames, the fire was discovered at about 11 at night.

4. Yesterday it rained heavily here during the morning, and off and on rain fell the whole of the day; the quantity gauged to have fallen from 5 A. M. yesterday to 5 A. M. this morning being seven-tenths and half of an inch, the thatch must therefore have been thoroughly saturated with water out-side and not likely to have been ignited by accident, the fire in the building appears to have existed sometime before it was discovered and must have been kindled inside, as simultaneously with its being ascertained that the building was on fire it burst out into flames.

5. The thatched building used by me as a Carpenter's Workshop below the Barrack plateau and within fifty yards of the burnt Barrack was also found to be on fire, which having broken out at the end furthest removed from the point the wind was blowing from, was easily extinguished and further stayed by removing the thatch.

6. I would note that a temporary ration shed with open sides and a thatched roof situated to the windward side of the building on fire last night, was burnt on Sunday afternoon in broad day light, this also was in my opinion the act of an incendiary, who I have no doubt contemplated the destruction by fire of all the thatched buildings in its vicinity a very high wind blowing at the time; this fire however recurring in day time was promptly extinguished, and the matter was reported to the Major General Commanding the Division, a Court of Enquiry sat and investigated the cause of this fire, and another is now sitting and investigating the cause of last night's catastrophe.

7. I roughly estimate the loss of Government property to amount to between 25 to 30,000 Rupees, a correct estimate is being prepared and will be forwarded as soon as practicable.

1 Original letter No. 40, dated 8th July 1862.

1. Submitted to Government for information.

2. The estimate promised by Captain Farewell will be submitted when received.

(Signed) S. O. E. LUDLOW, Lieut.-Colonel,
For Deputy Chief Engineer Southern Circle.

No. 456. ORDER THEREON, 21st July 1862, No. 1,745.

1. Communicated to the Military Department for information.

2. The Government will await the receipt of a copy of the Proceedings of the Court of Enquiry referred to in the penultimate paragraph of Captain Farewell's letter, and of the estimate promised by the Deputy Chief Engineer, Southern Circle.

(Signed) W. I. BIRDWOOD, Colonel, R. E.,
Secretary to Government.

517

*Proceedings of the Madras Government, Public Works Department,
26th September 1862.*

No. 480. Read the following Proceedings of the Madras Government in the Military Department, dated 18th September 1862, No. 3,209 :—

Approving of the estimate for two additional Privies to be } (Vide Military Proceedings, 18th September
constructed in the European Cantonment at Wellington. } 1862, Nos. 359 @ 361.)

No. 481. ORDER THEREON, 26th September 1862, No. 2,314.

Communicated to the Deputy Chief Engineer, Southern Circle, for information and guidance.

(Signed) W. I. BIRDWOOD, Colonel, R. E.,
Secretary to Government.

2-8-86

2136

534

MILITARY DEPARTMENT.
PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following papers :—

Memorandum from the Quarter Master General of the Army, Head Quarters, Bangalore, 13th August 1862, No. 334.

Forwarded for the sanction of Government, the work being essentially necessary,—Plan and Estimate were not called for, a rough Estimate only was asked for ; but as the detailed record has been furnished, it is forwarded likewise.

From the Officer Commanding Southern Division, Head Quarters, Trichinopoly, 7th August 1862, No. 787 ; to the Quarter Master General of the Army, Bangalore.

Referring to my letter of the 3rd and your reply thereto, No. 168, of the 5th ultimo, on the subject of additional Privies at Wellington, I have the honor to report, for the information of the Commander-in-Chief, that the Engineer's Estimate for two additional Privies is greatly in excess of what I contemplated it would be.

I forward the Plan and Estimate for His Excellency's satisfaction.

I suggested to the Executive Engineer the introduction of the galvanized Iron Buckets instead of the Wooden Tubs now in use, as the latter become so offensive as to require constant changing, and when they are not changed, the Privies become most offensive.

Referred to the Public Works Department.

18th August 1862.

From the Deputy Chief Engineer Southern Circle, Madras, 28th August 1862, No. 144 ; to the Secretary to Government, Department Public Works.

With reference to Order of Government, No. 2023, dated 25th August 1862, I have the honor to re-submit the Plan and Estimate, received therewith, for two additional Privies to be constructed in the European Cantonment at Wellington, the amount of the Estimate having been corrected to Rupees 2,486, and I beg leave to recommend it for sanction out of the General Funds of the Coimbatore District.

- Enclosures 2.
- 1 Plan.
- 1 Estimate.

Referred to the Military Department, for consideration.

(Signed) W. I. BIRDWOOD, Colonel, R. E.,
Secretary to Government, P. W. D.

2nd September 1862.

ORDER, No. 3209, 18th September 1862.

Approved.

(True Extract)

Deputy Secretary to Government.

To the Quarter Master General.

„ Public Works Department, with two enclosures.

Exd. T. Stubbs.

2-8-861

57

*Proceedings of the Madras Government, Public Works Department,
17th November 1862.*

No. 329. Read the following letter from Lieutenant-Colonel J. OUCHTERLONY, R. E., Deputy Chief Engineer, Southern Circle, to Colonel W. I. BIRDWOOD, R. E., Secretary to Government, Public Works Department, dated Ootacamund, 3rd November 1862, No. 263:—

SIR,

I have the honor to submit a letter from Captain Farewell, Executive Engineer, Wellington, No. 137, dated 22nd October 1862, giving certain reasons for delaying to submit an estimate for re-roofing the block of buildings at that Station used until the late mishap* by fire as a place of worship for the Troops cantoned at that Station: Having personally inspected the Barrack referred to and having observed that the walls are well set at the top with good mortar so that the weather can have no injurious effect upon them, I am led to concur with Captain Farewell in his opinion as to the inexpediency of putting on another perishable roof, at least for the present; and I trust Government will approve of that Officer's recommendation that the matter should be suffered to stand postponed.

No. 330. ORDER THEREON, 17th November 1862, No. 2,766.

Communicated to the Military Department, with reference to the Proceedings in that Department, dated 21st July 1862, No. 1,745. Orders on the foregoing letter will be passed in the Military Department.

(Signed) W. I. BIRDWOOD, Colonel, R. E.,
Secretary to Government.

2/5/83

62

574

*Proceedings of the Madras Government, Public Works Department,
5th January 1863.*

No. 5. Read the following Proceedings of the Madras Government in the Military Department, dated 16th December 1862, No. 4,294:—

Sanctioning the postponement of the re-roofing the block of } (Vide Military Proceedings, 16th December
buildings at Wellington, used until the late accident by fire as } 1862, Nos. 297 @ 299.)
a place of worship.

No. 6. ORDER THEREON, 5th January 1863, No. 3.

Communicated to the Deputy Chief Engineer, Southern Circle, for information and guidance.

(Signed.) W. I. BIRDWOOD, Colonel, R. E.,
Secretary to Government.

MILITARY DEPARTMENT.
PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following papers :—

Proceedings of the Madras Government, Public Works Department.

Communicating letter from the Deputy Chief Engineer, Southern Circle, stating that he concurs in the opinion of Captain Farewell as to the inexpediency of putting on another perishable roof at present to the block of Buildings at Wellington, used, until the late mishap by fire, as a place of worship for the Troops cantoned at that Station.

Here enter 17th November 1862, No. 2766.

Referred to the Commander-in-Chief (Quarter Master General's Department.)
20th November 1862.

From the Deputy Quarter Master General of the Army, Fort Saint George, 3rd December 1862, No. 9313; to the Secretary to Government, Military Department.

With reference to the Order of Government in the Department Public Works, referred to the Commander-in-Chief on the 20th ultimo, I am directed by His Excellency to state that, under the pressure of more absolute necessity at other places, and the limitation to the sum to be expended generally, the project for re-roofing the unfinished portion of No. 4 block of Barracks at Wellington may be laid aside for the present, as existing accommodation may suffice with management.

ORDER, No. 4294, 16th December 1862.
Ordered accordingly.
(True Extract.)

To the Public Works Department, with one enclosure.
„ Quarter Master General.
Deputy Secretary to Government.

Exd. T. Stubbs.

614

*Proceedings of the Madras Government, Public Works Department,
11th September 1863.*

No. 213. Read the following letter from Lieutenant-Colonel G. W. WALKER, R. E.,
Superintending Engineer, 7th Division, to Colonel W. I. BIRDWOOD, R. E., Secre-
tary to Government, Department Public Works, dated Coimbatore, 29th August
1863, No. 117:—

SIR,

1. In acknowledging receipt of the articles as per indents herewith returned, I take the
opportunity of reporting that nothing is sanctioned in the present year's Budget for completing
the drainage of the Barrack roofs at Wellington; although contemplating the receipt of the
pipes and prosecution of the work, the balance of the Estimate was entered in the Budget pre-
pared and despatched from Major Farewell's Office.

2. Under these circumstances I have the honor to request instructions how the cost of the
pipes, Rupees 6,334-14-7 and of their packing and conveyance is to be met. I can only suggest
that the balance of sanction for Military works conveyed in Government Order No. 2,131 of
30th July, which will remain unspent, be indented on for the purpose.

No. 214. ORDER THEREON, 11th September 1863, No. 2,615.

The additional grant of four lacks for Military buildings referred to by the Superintending
Engineer not being available, and the unappropriated balance to the credit of the Reserve being
very limited, Government specially sanction the charges adverted to in this letter being met from
the assignment of Rupees 1,80,000, on account of stores entered in Part I of the Budget.

(True Extract.)

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

To the Superintending Engineer, 7th Division.

- „ Controller and Auditor of Public Works Accounts.
- „ Accountant General.
- „ Store Department.

Exd. S. T. Augustin.

*Proceedings of the Madras Government, Public Works Department,
17th September 1863.*

No. 394. Read the following letter from R. W. LODWICK, Esq., Acting Deputy Auditor and Accountant General, Madras, to the Secretary to the Government of Fort Saint George, Department Public Works, dated Fort Saint George, 15th September 1863, No. 194:—

SIR,

I have the honor with reference to Government Order No. 2,615, dated 11th instant, to request that you will be so good as to state the exact cost on account of packing and conveyance of the pipes for completing the drainage of the Barrack roofs at Wellington, in order that this Office may know the amount to be transferred from the assignment of Rupees 1,80,000 on account of Stores entered in Part I of the Budget.

No. 395. ORDER THEREON, 17th September 1863, No. 2,705.

The Accountant General will be informed that the sum of Rupees 6,334-14-7, sanctioned in G. O. No. 2,615 of the 11th instant, includes the cost on account of packing and conveyance.

(True Extract.)

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

To the Accountant General:

Exd. S. T. Augustin.

*Proceedings of the Madras Government, Public Works Department,
23rd October 1863.*

No. 505. Read the following letter from Lieutenant-Colonel G. W. WALKER, R. E.,
Superintending Engineer, 7th Division, to Colonel C. A. ORR, R. E., Secretary to
Government, Department Public Works, dated Coonoor, 14th October 1863, No. 185:—

SIR,

1. I have the honor to transmit the following report, with reference to Government Order
No. 2,782 of 21st September.

2. At Cannanore, Calicut and Wellington, there are no "temporary Barracks" occupied as
such. But at the latter station are four "temporary Barracks" each 55 feet by 22 feet, occupied
respectively as—

1. Lock Hospital.
2. Magistrate's Office.
3. Native Detail Hospital.
4. Soldier's Meeting House.

These buildings were erected in 1852, and the Executive Engineer states that "though not abso-
lutely in a dangerous condition they are all in such a state as not to be worth repairing. To
prevent any chance of accident I would recommend their being pulled down at once; the build-
ings might stand for a couple of years more, but I would not warrant them safe if a storm
occurred at Wellington to-morrow." No provision is however suggested to replace the accom-
modation destroyed.

3. At Malliappooram, the Barrack of laterite and mud walls with thatched roof is thought
by Captain Bean "sufficiently substantial," and no doubt that sort of structure is so, provided it
be in good condition, regarding which I will call for further report. And his subjoined report of
the pukka building purchased for the purposes of a Barrack at Calicut is such that I will request
him to submit an Estimate for immediately putting it into thorough repair. He adds, "I ought
to mention however that the Barrack at Calicut though built of laterite in chunam walls and
tiled roof, was infested by white ants when purchased by Government from Mrs. Conolly the late
Collector's wife. To put the building in thorough order, it would be necessary to renew a good
portion of the roof, and to do this, as well as plank the floors, which has been proposed, would
cost a large sum."

No. 506. ORDER THEREON, 23rd October 1863, No. 3,086.

The Superintending Engineer, 7th Division, will be requested to report, with reference to
paragraph 2, what arrangement he would propose for providing accommodation for the Lock
Hospital, Magistrate's Office, &c., in the event of sanction being granted for the demolition of
the four temporary Barracks represented to be unsafe.

(True Extract.)

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

To the Superintending Engineer, 7th Division.
" Military Department.

Exd. S. T. Augustin.

*Proceedings of the Madras Government, Public Works Department,
13th November 1863.*

No. 263. Read the following letter from Lieutenant-Colonel G. W. WALKER, R. E.,
Superintending Engineer, 7th Division, to Colonel C. A. ORR, R. E., Secretary to Govern-
ment, Department Public Works, dated Coonoor, 3rd November 1863, No. 218:—

Sm,

1. By a letter from the Deputy Quarter Master General of the Army, obliging me with
information on the subject of the Estimates alluded to in paragraph 10 of the Quarter Master
General's letter No. 311, quoted with Government Order No. 2,131 of 30th July, I find that the
sum of Rupees 53,222 is the aggregate of items 5 to 12 and of sundries, out of the twelve items
amounting to Rupees 2,95,140, regarding which the Quarter Master General was called on in
Government Order No. 3,071 of 23rd October 1863, to furnish the information now supplied.

2. These items are as follows:—

	RS.
5. Serjeant's Mess House.	5,140
6. Serjeant Major and Quarter Master Serjeants' Quarters.	2,936
7. Double Cooking Houses, Bath Rooms, Privies with covered ways to ditto.	1,509
8. School Room.	6,561
9. Quarters for the School Master and School Mis'tress.	4,340
10. Cooking Houses, Privies with covered ways to ditto for male and female scholars.	2,411
11. Additional Verandah to the new wing of the present Barracks.	2,240
12. Railing to Barracks.	1,470
Sundries and Extra Establishment.	26,651
Total ...	53,222

3. Plans of these buildings were sent me with Government Order No. 2,665 of 15th Sep-
tember, and I shall feel obliged by the speedy supply of the corrected Estimates, of which there
are no copies available to me, and which comprise one item, No. 12, not entered in the original
District set.

4. The same letter from the Deputy Quarter Master General above quoted gave me the
items of the Artillery Estimates aggregating Rupees 1,87,960, the plans and other papers relating
to which accompanied the Chief Engineer's Proceedings, No. 7,751 of 8th December 1860, for sub-
mission to His Excellency the Commander-in-Chief, and are stated to have been returned to the
Central Office with the Quarter Master General's letter No. 3,219 of 12th December 1860. I regret
to say that they are not to be found amongst the contents of the three cases of records belonging
to the late Office of the Deputy Chief Engineer, Southern Circle, forwarded to me last month.
Rough copies have been supplied me by Captain Bean, but the loss of time to make fair copies
from them under present circumstances will be so great that it is highly desirable that the papers
already approved be again sought for and found in the Madras Offices. I have intimated to the
Quarter Master General that I shall be at Cannanore from the 16th to the 23rd November, to
receive the definite instructions of His Excellency the Commander-in-Chief as to the Military
buildings of that Station, and if I could be supplied with these papers in time I need hardly say
how much the transaction of business would be facilitated.

5. The details of the list of Military works in this Division, proposed to be completed in the
current season from the supplemental grant to be obtained from the Supreme Government,
are as follows, viz.:—

Coimbatore District.

	RS.
1. Demolishing temporary Barrack No. 1, used as a Lock Hospital, and replacing with a new pukka building, retaining the present pukka Cook Room and Privy.	1,570
2. Demolishing temporary Barrack No. 2, used as a Native Detail Hospital, and substituting the pukka building formerly used as a Public Works Hospital in its place, with tiled instead of thatched roof, and addition of Cook Room and Privies.	694
3. Demolishing temporary Barrack No. 3, used as a Magistrate's Court House, and building a new Court House in the Wellington Bazaar.	3,900
4. Addition to the Police Station at Wellington.	1,240
5. Fixing roof drainage pipes to the Barracks, &c., at Wellington.	1,590
Total Coimbatore District.....	8,994

*Proceedings of the Madras Government, Public Works Department,
13th November 1863.*

Malabar District.

6. Five Additional Married Quarters with Cook-Rooms, &c., at Calicut	3,086
7. Foundations and basements to ten additional Married Quarters at Malliapooram	3,000
8. Collection of materials, &c., for portion of the additions to the European Infantry Barracks at Cannanore, to be there decided on...	3,222
9. Collection of materials, &c., for portions of the additions to the European Artillery Barracks, &c., at Cannanore, to be there decided on	7,960
Total Malabar District. ...	17,218
Grand Total, 7th Division. ...	26,212

6. For insertion of Items 1 to 4, 6 and 7, I have the approval of His Excellency the Commander-in-Chief; Nos. 8 and 9, are sums suggested by me in a late letter, as the utmost that can be got through at Cannanore, on such a sudden call, under the difficulties which at present beset the Public Works Department at that station. No. 5 is suggested by Major Farewell to utilize the pipes already received from England and delivered at Wellington at a cost of upwards of Rupees 7,000, defrayed from the sanction for stores of the current season. Plans and estimates for Items 1 to 5 are under preparation, and will soon be submitted for sanction. Items 6 and 7 require the submission of no plans and estimates, being portions of a large sanction whereof a considerable sum has already been expended. Items 8 and 9 cannot be supported by Plans and Estimates in time, but the necessary papers will be submitted in support of proposed entries of Rupees 50,000 and Rupees 80,000 in the Budget of 1864-65.

No. 264. ORDER THEREON, 13th November 1863, No. 3,294.

1. In this letter the Superintending Engineer, 7th Division, reports that he has now been able to ascertain the items of the Estimates for additions to the European Infantry Barracks at Cannanore, which His Excellency the Commander-in-Chief desires to be carried out, and as he has the Plans of the work, he requests that the Estimates, which are not forthcoming, may be furnished. The abstract Estimates only are on the records of this Office, and these will be forwarded to Colonel Walker.

2. The Superintending Engineers of Divisions will be requested, with reference to paragraph 4, to cause early search to be made among their records for the papers therein referred to, as probably they may have been inadvertently forwarded to some Division other than the 7th, when the separation of the records of the late Central Office took place.

3. The submission of the Plans and Estimates for Items 1 to 5, referred to in paragraph 5, should be expedited, and Colonel Walker is requested to quote the date of the orders of Government sanctioning Items 6 and 7, as it is difficult to ascertain to what Estimates reference is made.

(True Extract.)

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

To the Superintending Engineer, 7th Division, with two Estimates.
To all other Superintending Engineers.
To the Quarter Master General of the Army.
„ Military Department.

Exd. S. T. Augustin.

*Proceedings of the Madras Government, Public Works Department;
2nd November 1864.*

No. 51. Read the following letter from Lieutenant-Colonel F. H. SCOTT, Quarter Master General, to Colonel C. A. ORR, R. E., Secretary to Government, Public Works Department, dated Head Quarters, Ootacamund, 18th October 1864, No. 416-9,532 :—

SIR,

1. Several projects submitted for sanction having been declined by Government on the score of deficiency of funds, I addressed the Superintending Engineer, 7th Division, by the Commander-in-Chief's order, with the enquiry whether he could spare any money from that granted for Cannanore for purposes in other Divisions. That Officer replies that he is unable to state at present what the exact sum is, but will report hereafter, meanwhile under any circumstances 40,000 Rupees is available.

2. For easier reference, I append copy of my letter to Colonel Walker, and his reply.

3. The Commander-in-Chief requests that authority may be obtained for the laying out of this sum of 40,000 Rupees on works still in abeyance, but much required, of which a list is enclosed.

4. With reference to the Artillery Barracks at Cannanore, the Commander-in-Chief desires me to say that as nothing has yet been done in the matter, consequent on the delay in supplying Standard Plans from Calcutta for Trimulgherry, which were to have been used in the Cannanore Barracks, he thinks that the sum entered in the present Budget for the same may be expunged and charged in the Budget for 1865-66.

5. With regard to Colonel Walker's remark in paragraph 5 of his letter, I am to explain that the Ration-issue shed was struck out of the Budget for the reasons stated in Order of Government, No. 2,795, 26th September 1863, Public Works Department, and plans and estimate called for, in view to the building being sanctioned out of the Reserve Fund. The plan and estimate do not appear to have been submitted.

No. 52. ORDER THEREON, 2nd November 1864, No. 3,155.

1. The Government observe that application was made to the Government of India, under date the 16th August 1864 (G. O. No. 2,335), for a special grant of Rupees 6,540, for a new Privy for the Artillery at Trichinopoly, and for alterations to the Artillery Barracks there to form a Sleeping room. His Excellency the Commander-in-Chief being desirous that these works should be completed as early as possible, the Governor in Council authorizes their being proceeded with in anticipation of the sanction of the Government of India.

2. The transfer Rupees 2,310 from the allotment for new Artillery Barracks at Cannanore, for the purchase of land for a Soldiers' Garden adjoining the Artillery Barracks at Trichinopoly, and for alterations to the Commissariat Godown at Calicut will be recommended.

3. At the same time, as Rupees 40,000 are stated by the Superintending Engineer to be available from the above assignment, application will be made for the transfer of Rupees 3,930 from that source for adding a Ball Court to the Racket Court at Wellington, ordered in Proceedings, No. 2,799, dated 27th September 1864, to be entered in the Budget of 1865-66.

4. These works also may be proceeded with at once.

5. Ordered that the following letter be sent :—

(Here enter No. 3,156, dated 2nd November 1864.)

(True Extract.)

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

To the Superintending Engineers, 6th and 7th Divisions.

„ Accountant General.
„ Controller of Public Works Accounts.
„ Military Department.
„ Quarter Master General.

Exd. S. T. Augustin.

2-5 337

714

PUBLIC WORKS DEPARTMENT.

Public.

FORT SAINT GEORGE,

2nd November 1864.

No. 53.

No. 3,156.

From

COLONEL C. A. ORR, R. E.,

Secretary to the Government of Fort Saint George, P.W.D.,

To

The Secretary to the Government of India, Public Works Department.

SIR,

1. I am directed by the Governor in Council to state, for the information of the Government of India, that in consequence of the non-receipt from Calcutta of Standard Plans of Artillery Barracks, it will not be possible to expend in the current year the assignment of Rupees 75,000 sanctioned in the Supplemental Budget for new Artillery Barracks at Cannanore. I am accordingly to request the sanction of His Excellency the Governor General of India in Council, to the transfer of the sum of Rupees 6,240 to the following Military works, which His Excellency the Commander-in-Chief is desirous should be completed this year:—

	RS.
Adding a Ball Court to the Racket Court at Wellington	3,930
Additions to the Commissariat Godown at Calicut	1,310
Purchase of land for a Soldiers' Garden adjoining the Artillery Barracks at Trichinopoly	1,000
Total...	6,240

2. I am to add that this Government have directed the above works to be proceeded with in anticipation of sanction.

I have the honor to be,

Sir,

Your most obedient servant,

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

Exd. S. T. Augustin.

*Proceedings of the Madras Government, Public Works Department,
2nd December 1864.*

No. 36. Read the following Proceedings of the Madras Government in the Military Department:—

Approving, for entry in the Budget of 1865-66,
of the estimate amounting to Rupees 3,364 } (Here enter 28th November 1864, No. 4,230.)
for providing shelter at the Wellington Rifle
Practice Range, Coimbatore District.

No. 37. ORDER THEREON, 2nd December 1864, No. 3,451.

Communicated to the Superintending Engineer, 7th Division, for information and guidance.

(True Extract.)

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

To the Superintending Engineer, 7th Division.

„ Accountant General.

„ Controller of Public Works Accounts.

Exd. T. O'Connor.

MILITARY DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following papers:—

From the Superintending Engineer 7th Division, Camp Cannanore, 9th November 1864, No. 175; to the Secretary to Government, Department Public Works.

I have the honor to submit an Estimate, amounting to Rupees 3,364, for providing shelter at the Wellington Rifle Practice Range, as per Plan accompanying; and request permission to include them in the Coimbatore Budget List of 1865-66. They have been submitted to His Excellency the Commander-in-Chief and received his approval, and are countersigned by the General Officer Commanding the Southern Division.

Enclosures 2.

Referred to the Military Department.

(Signed) C. A. ORR, Colonel, R. E.,

Secy. to Govt., Pub. Works Dept.

15th November 1864.

ORDER, No. 4239, 28th November 1864.

Approved for entry in the Budget of 1865-66.

(True Extract.)

Under Secretary to Government.

To the Public Works Department,
with Plan and Estimate.
„ Quarter Master General.

Ed. R. Stephenson.

2/5/85
54.

77

*Proceedings of the Madras Government, Public Works Department,
3rd May 1865.*

No. 64. Read the following Proceedings of the Madras Government in the
Military Department:—

Communicating letter from the President,
Sanitary Commission, submitting a
detailed Report on the sanitary condi-
tion of the Barracks and Hospitals oc-
cupied by the Troops at Wellington. } (Here enter 26th April 1865, No. 1,550.)

No. 65. ORDER THEREON, 3rd May 1865, No. 1,196.

MILITARY WORKS, No. 8.

Communicated to the Superintending
Engineer, 7th Division.

(True Extract.)

(Signed) CHARLES A. ORR, Colonel R. E.,
Secretary to Government.

To the Superintending Engineer, 7th Division, with one Enclosure.

Exd. S. T. Augustin.

MILITARY DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following letter :—

From the President Sanitary Commission, Madras, 1st April 1865, No. 613 ; to the Secretary to Government, Military Department, Fort Saint George.

With reference to the Government Order, dated 19th July 1864, No. 826, I have the honor to submit a detailed Report on the Sanitary condition of the Barracks and Hospitals occupied by Military Troops at Wellington.

2. In explanation of the length of this Report, I have the honor to enclose a List of the subjects which, in the opinion of the Royal Commissioners for the improvement of Barracks and Hospitals, should invariably be noticed in Reports on Stations by the Indian Sanitary Commissions.

(1.) "That each Station be carefully examined by competent Sanitary and Engineering Officers, and that a careful survey be made and a well-digested scheme for improving the Station be prepared and submitted for sanction. This scheme to include."

(2.) "Levelling, filling up, paving, and otherwise improving the surface, drainage of the Station."

(3.) "Drainage and water supply, including sub-soil drainage, house drainage, filtration, and distribution of water over the Station."

(4.) "Improving existing Barracks and Hospitals, including raised floors, with ventilation beneath, or providing upper floors, for sleeping-rooms, in localities where it may be necessary to do so."

(5.) Ventilation of Barrack Rooms and Hospital Wards, on the principles laid down in our "suggestions." Improvements in lighting Barracks and Hospitals."

(6.) "Fixing by Regulation, the superficial and cubic feet to be allotted per bed in Barracks and Hospitals, the amount being regulated according to the healthiness or otherwise of the locality, on the principles laid down by the Royal Commission. In doing this, rooms or wards unfit or doubtful for occupation should be excluded. And the amount of additional Barrack and Hospital accommodation necessary to admit of the Regulation being complied with, should be stated."

(7.) "Sub-dividing long Barrack Rooms and Sick Wards; so as to have no more than from 20 to 24 beds per room, and providing that each room is completely cut off from the others, and ventilated separately."

(8.) "Improved Latrines, water-closets, and urinals for Barracks and Hospitals."

(9.) "Improved and extended ablution and bath accommodation for Barrack and Hospitals."

(10.) "Improvements in Cook-houses, Hospital Kitchens, and Cooking apparatus."

(11.) "The provision of sufficient accommodation for exercise, re-creation, and instruction in the way of Gymnasias, Workshops, Reading and Day rooms, Soldiers' Gardens, covered Ball Courts, &c."

ORDER, No. 1550, 26th April 1865.

Ordered to be communicated to the Commander-in-Chief and Public Works Department. Government wish to be favored with His Excellency's remarks on the several points brought to notice by the President of the Sanitary Commission, and especially with reference to the subject of the retention of a Regiment at Wellington, adverted to in the Report from paragraphs 137 to 171.

(True Extract.)

Under Secretary to Government.

To the President Sanitary Commission.

„ Quarter Master General, with an enclosure and 4 Plans,
(To be returned.)

„ Public Works Department.

„ Adjutant General.

„ Principal Inspector General Medical Department,
for information.

Exd. W: Regel.

*Proceedings of the Madras Government, Public Works Department,
22nd June 1865.*

Read the following Endorsement of the Superintending Engineer, 7th Division.

No. 550. Read the following letter from Captain W. HANDS, Acting Deputy Assistant Quarter Master General Southern Division, to Lieutenant-Colonel G. W. WALKER, R. E., Superintending Engineer, 7th Division, dated Trichinopoly, 9th June 1865, No. 330 :—

SIR,

1. With advertence to Proceedings and Order of Government Military Department, No. 4,239, dated 28th November 1864, I have the honor, by order of the Major General Commanding the Division, to enquire whether the buildings at the Rifle Practice Range at Wellington have been commenced, and if not, that you will be so good as to state when the work will be put in hand, the Deputy Inspector General of Hospitals, Southern Division, having reported that some of the men employed at the Practice Range have been attacked with acute dysentery, and fever of a malarious type, owing to the insufficient protection afforded them from the weather in tents.

2. The Major General considers that the buildings are absolutely necessary for the health of the men on duty at the Rifle Range.

1. Copy to Secretary to Government, Department Public Works, for information.

2. The work alluded to, estimated to cost Rupees 3,364, was entered in the list of works between Rupees 2,500 and Rupees 10,000, submitted to Government with letter No. 8 of 13th May 1865.

(Signed) G. W. WALKER, Lieutenant-Colonel, R. E.
Superintending Engineer, 7th Division.

No. 551. ORDER THEREON, 22nd June 1865, No. 1,740.

ACCOUNT, No. 95.

1. As the buildings at the Rifle Practice Range at Wellington are urgently required, the Government sanction a grant of Rupees 3,364 for the work from the Reserve under "Military."

(True Extract.)

(Signed) CHARLES A. ORR, Colonel, R. E.,

Secretary to Government.

To the Superintending Engineer, 7th Division.

„ Military Department.

„ Controller of Public Works Accounts.

„ Accountant General.

Exd. S. T. Augustin.

*Proceedings of the Madras Government, Public Works Department,
15th June 1865.*

No. 392. Read the following letter from Lieutenant-Colonel G. W. WALKER, R. E., Superintending Engineer, 7th Division, to Colonel C. A. ORR, R. E., Secretary to Government, Department Public Works, dated Coimbatore, 5th June 1865, No. 28:—

SIR,

1. A requisition having been made on this Office, by authority of His Excellency the Commander-in-Chief, for approximate estimates of the subsidiary Military buildings required at Wellington, according to the authorized list communicated with G. O. in the Military Department, No. 436 of 31st January 1865, to be included in the Budget of 1866-67, I have the honor to request that I may be supplied with copies of the latest approved Standard Plans of the buildings in question.

2. I have at the same time to observe that as one of the six Barrack Blocks remains unfinished, and the superstructure of the Military Prison has to be raised on the foundations, it is desirable that intimation be given of the order in which all the work should be undertaken, so that this Department may be able to state what can really be undertaken in each succeeding year.

No. 393. ORDER THEREON, 15th June 1865, No. 1,663.

MILITARY WORKS, No. 24.

* Skittle and Bowl Alleys.

Vide G. O. No. 1,333, dated 16th May 1865.

1. The Superintending Engineer of the 7th Division will be informed that approved Standard Plans for No. 2* of the subsidiary buildings noted in the Proceedings of Government in the Military Department, No. 436, dated 31st January 1865, are now being lithographed, and will be shortly furnished to him. No approved Standard Plans have yet been received from the Government of India for Nos. 1, and 3 to 12.

2. Paragraph 2 of the letter above recorded will be referred to the Military Department for consideration.

(True Extract.)

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

To the Superintending Engineer, 7th Division.
,, Military Department.

Exd. S. T. Augustin.

Proceedings of the Madras Government, Public Works Department,
10th July 1865.

No. 210. Read the following Proceedings of the Madras Government in the
Military Department:—

Communicating to the Commander-in-
Chief, Quarter Master General's De-
partment, Proceedings in the Public
Works Department deferring the com-
mencement of the buildings proposed
to be erected at the Rifle Practice
Range at Wellington, Coimbatore Dis-
trict. (Here enter 3rd July 1865, No. 2,469.)

No. 211. ORDER THEREON, 10th July 1865, No. 1,932.

MILITARY WORKS, No. 13.

Communicated to the Superintend-
ing Engineer, 7th Division.

(True Extract.)

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

To the Superintending Engineer, 7th Division.

Exd. S. T. Augustin.

MILITARY DEPARTMENT.
PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following papers :—

Proceedings of the Madras Government, Public Works Department.

Sanctioning a grant of Rupees 3,364, for the buildings at the Rifle Practice Range at Wellington from the reserve under "Military." } Here enter 22nd June 1865, No. 1740.

Proceedings of the Madras Government, Public Works Department, dated 26th June 1865, No. 1773.

Pending further orders, the Superintending Engineer, 7th Division, is requested to defer the commencement of the buildings proposed to be erected at the Rifle Practice Range at Wellington, for which a grant of Rupees 3,364, was made from the Reserve in Proceedings, No. 1740, dated 22nd instant.

(True Extract.)

(Signed) C. A. ORR, Colonel, R. E.,
Secy. to Govt., P. W. D.

ORDER, No. 2469, 3rd July 1865.

Ordered that the foregoing Proceedings of Government in the Department Public Works, be communicated to the Commander-in-Chief, (Quarter Master General's Department) with reference to the correspondence under the consideration of Government, regarding the future occupation of Wellington.

(True Extract.)

Under Secretary to Government.

To the Public Works Department.
,, Quarter Master General.

Exd. J. E. Cashart.

MILITARY DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following papers:—

From the Superintending Engineer, 7th Division, Coimbatore, 8th June 1865, No. 31; to the Secretary to Government, Department Public Works.

I have now the honor to report on Barrack accommodation at Cannanore, with reference to G. O. No. 1158 of 29th April, and in continuation of my letters, No. 12 of 16th May and No. 24 of 27th May 1865.

Enclosures 2.
Statement and Block Plan.

2. Captain Norton states the actual strength of the Head Quarters Her Majesty's 102nd Fusiliers at 582 of all ranks, and from the papers he sends I have drawn out the accompanying Statement. From it the European Infantry at Cannanore, at its present strength, appears to have elbow-room enough under present circumstances. But a draft of about 100 men is expected at the end of the year, when allowing for completion of other new buildings now in progress, all available accommodation will be taken up to the utmost. And in the event of the abolition of one or both of the Detachments at Calicut or Malliappoorum, great additions and alterations to the Infantry Barracks at Cannanore will be necessitated.

3. As regards the Artillery, the accommodation is most defective according to the standard of superficial space assumed as a *sine qua non*; and I can best represent it by forwarding Captain Norton's Block Plan of the three Private Bungalows rented at present, to hold 134 unmarried men, exclusive of 31 married men living out of Barracks. Stretching it to the utmost, the accommodation that exists is only sufficient for 77 men; leaving 57 to provide for. The Brigadier General in Command is reported to have arranged for renting another Bungalow. But even this will leave at least 30 men to be otherwise accommodated, and as at this season it is impossible to provide temporary accommodation I can only recommend that part of the Infantry Barracks be at once appropriated for the purpose, say, (as apparently most convenient) the rooms at present taken up for the Serjeants' Mess and Musketry Lecture.

4. I take this opportunity of bringing to notice that, although my instructions are to plan new Barracks for a Garrison Battery of Artillery, it would appear from the Returns received from Cannanore that a Field Battery is still kept up at that Station, although the relief only took place last year. As nearly treble the accommodation has to be provided in the one case that is required in the other, and the site selected by His Excellency the Commander-in-Chief is not too extensive for the smaller body of men, I must request definite information before I can take another step in the preparation of Plans, to carry out which an allotment of Rupees 75,000 already exists in the Budget of 1865-66.

INFANTRY BARRACKS—CANNANORE.

Barrack and number of rooms.	No. of unmarried Privates accommodated.	Proper No.	Remarks.
New Barracks, Right Wing...	81	70	In Captain Norton's calculations of available space, he has omitted to leave one of the enclosed Verandahs clear of beds for a Mess-room.
Do. Left Wing	50	70	
Old Barracks, Right Wing No. 1...	36	32	Surplus accommodation available for 69 men, or for 57 men, leaving 2 rooms as at present appropriated for Band Practice and Quarter Master's Office. The Staff Serjeants have moved into their new quarters, and the Serjeants' Mess, Library, Musketry Lecture-room, and Workshop, are about to be moved into the new Recreation and School Ranges, which will be handed over by the Department Public Works in all June.
2... Band Practice.	4	4	
3... Workshop.	20	20	
4... Serjeant Major	34	32	
5... 18	14	14	
6... 16	14	14	
7... 26	32	32	
8... 2	4	4	
9... Musketry	20	20	
10... Lecture-room	34	32	
11... Qr. Mr.'s Office	36	32	
12... 4	4	4	
Old Barracks, Left Wing, No. 1...	36	32	
2... Library.	20	20	
3... 34	32	32	
4... 18	14	14	
5... 16	14	14	
6... 34	32	32	
7... 4	4	4	
8... Serjeants' Mess	20	20	
9... 36	32	32	
10... 36	32	32	
Married men.....	479	548.	Ready—others in progress.
In new Barracks, Left Wing	10	0	
In Parcherry.....	11	11	
In Married Quarters.....	40	50	
	540	609	Leaving apparently
	42 Serjeants of all grades separately provided for in Serjeants, Quarters.		

(Signed) C. G. WALKER, Lieut.-Colonel,
Supty. Engineer, 7th Division.

Referred to the Military Department.

(Signed) C. A. ORR, Colonel, R. E.,
Secy. to Govt., P. W. D.

12th June 1865.

From the Superintending Engineer, 7th Division, Coimbatore, 9th June 1865,
No. 32; to the Secretary to Government, Department Public Works.

Having lately had to report particularly on the accommodation for Troops at the Stations of Wellington and Cannanore, and Out-posts of Calicut and Malliappoorum, and having also had to study the Sanitary Commission Report on Wellington Barracks, and such orders of the Supreme and Local Governments regarding the nature of accommodation to be provided for European Troops as have yet been promulgated, I have been led to consider the subject as regards the 7th Division as a whole; and have arrived at certain conclusions which at least I am bound to lay before Government; for such notice as they may be thought to deserve by their Excellencies the Governor in Council and the Commander-in-Chief.

2. In the first place the Sanitary Commission Report points to the abolition of Wellington as a Station for a single Regiment, and its retention as a Convalescent Depôt solely, as a measure to be desired. This involves either great improvements

to the Trichinopoly Barracks to adapt them to the requirements of an entire Regiment, or the erection of new Barracks (in possibly a new Station), such as shall embrace every Sanitary improvement of the day. The completion also of the 6th block of Barracks and of the Military Prison at Wellington should not be overlooked; to say nothing of numerous subsidiary works now ordered for all Barracks.

3. Secondly, the inquiries regarding Barrack accommodation at Cannanore shew that great additions and improvements are necessary to adapt the Infantry Quarters for a whole Regiment, supposing the Detachments at Calicut and Malliappoorum to be withdrawn, a contingency whereof more will be said hereafter. As to Artillery Barracks, now non-existent; but which have been ordered, the question remains unsettled whether a Garrison or Field Battery has to be provided for.

4. Thirdly, the permanency of the Detachments at Calicut and Malliappoorum being assumed, pukka and adequate accommodation must be provided *de novo*, with reference to which the strength of the Detachments must definitely be settled. I am informed that only lately the strength of that at Malliappoorum was reduced by fifty men; and if the strength of these Detachments be so immaterial a matter, their very existence appears to me to be equally so.

5. Turning over all these matters in my mind, and taking into consideration the Railway communication in existence, as well as that in progress, and the very great difficulty of adapting existing Barracks to the new conditions now laid down, it has struck me forcibly that the erection of entirely new buildings at Coimbatore would be better than the modification and enlargement of those at Trichinopoly, while it would enable the Calicut and Malliappoorum Detachments to be withdrawn. For the connection of Coimbatore by means of the Rail and Railway feeders with Calicut and the Moplah Talooks of Malabar, is far more direct than that of Cannanore; and with Trichinopoly it will be united by Rail long before any Barracks will be finished and occupied.

6. In this paper I must be content with throwing out a suggestion, and must not enlarge on the superiority of Coimbatore to any other in the Presidency as a low country Station for European Troops, considered as to climate; its suitability for Cantonment purposes, as to available open healthy ground; its capability of supply of good water from reservoirs under the adjacent hills, in constructing which provision might also be made for regulating and increasing the wet cultivation of the Noyel Valley; and the unlimited and cheap supply of first rate building materials obtainable on the spot. But I trust I have said enough to obtain for the proposal the consideration of Government and the Commander-in-Chief, in the Military Department; and its reference for joint report by the Collectors of Coimbatore and Malabar and the Inspector General of Police, as to its bearing on the Civil interests which they represent.

Referred to the Military Department.

(Signed) C. A. ORR, Colonel, R. E.,

13th June 1865.

Secretary to Government, P. W. D.

ORDER, No. 2789, 28th July 1865.

Ordered that the foregoing papers be recorded.

2. With reference to the remarks regarding the Artillery accommodation at Cannanore, it is observed that an additional Bungalow has been rented for the Battery at that Station.

Proceedings of Government, No. 1906, 22nd May 1865.

3. Orders have been passed on the Distribution Returns of Stations, received through the Quarter Master General, which will be communicated in due course.

4. The future occupation of Wellington is under consideration, in connection with the contemplated re-distribution of the European Force serving in this Presidency—the decision on which must be awaited.

(True Extract.)

Alumination
Under Secretary to Government.

To the Public Works Department. *With 20 spare copies*

„ Quarter Master General, with a Plan, (to be returned.)

„ Adjutant General, for information.

207 1865-2070
Pro-Grand for August
No 21812

Wm. J. Good with the
Chilcy. D. J. J.
21 2070-2071
Dec 21 1865

Recording return
papers relative to the
recommendation for work
at the stations of
Wellington and Can-
nons, and the cut-
-back of Colchester and
Haddington -

207

2203

Pro-Grand for August

2203-2204

Communicated to the
-including Engineer of the 7th Div.

2203-2204
2203-2204

2203-2204

2203-2204
2203-2204

To the Superintendent Engineer
of the 7th Division

2203-2204
2203-2204

2203-2204