

(1) Number of pages 10

(2) Date of repair 2-2-67

(3) Initials of the Referencer

MADRAS RECORD OFFICE.

Government of Madras.

Public works DEPARTMENT.

G.O. No. 599	Press
	Mis.
450-451	
Dated 20 - 2 - 1866.	

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
20th February 1866.*

No. 450. Read the following Proceedings of the Madras Government in the
Military Department:—

Returning to the Sanitary Commission, with
reference to Proceedings No. 2,229 of 1865,
the plan and estimate for the provision of a
dry earth store and a cart shed at the Military Hospital at Mangalore, in the South
Canara District. (Here enter 12th February 1866, No. 569.)

No. 451. ORDER THEREON, 20th February 1866, No. 599.

MILITARY WORKS, No. 33.

Communicated to the Sanitary Commission, and to the Superintending Engineer of the 7th Division.

(True Extract.)

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

Secretary to Government.

To the President of the Sanitary Commission, with Plan and Estimate.
,, Superintending Engineer, 7th Division.

MILITARY DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following papers :—

Memorandum from the Quarter Master General, Fort Saint George, 30th May 1865, No. 5885; to the Secretary to Government, Military Department.

Forwarded to Government, for favorable consideration.

From the Officer Commanding Ceded Districts, Head Quarters, Bellary, 15th May 1865, No. 55; to the Quarter Master General, Fort Saint George

I have the honor to forward herewith copy of a letter from the Officer Commanding 2/21st Royal North British Fusiliers, on the subject of Dry Earth Conservancy, and would strongly recommend the same to the favorable consideration of His Excellency the Commander-in-Chief, as it would add greatly to the salubrity of the neighbourhood of the Barracks.

From the Officer Commanding 2/21st Fusiliers, Bellary, 12th May 1865, No. $\frac{68}{65}$; to the Deputy Assistant Quarter Master General, Ceded Districts, Bellary.

I have the honor to represent that, having used with great success the dry earth system, as a deodorizer for Latrines in the Barrack of the Battalion under my Command, I beg permission to be allowed to adopt this plan, instead of continuing the present one, of tarring the ground and a part of the wall inside the Privies to destroy the smell. I have lately made an experiment with the dry earth process, in a Latrine which was the most frequented one by the men of my Battalion, and found that on sprinkling dry cotton soil into the tubs each time after they were used, no smell whatever came from them.

The men preferred this Latrine to any other, in consequence of the purity of the atmosphere inside, and it was in consequence more frequented than any other.

This experiment was necessarily conducted on a small scale owing to the limited supply of the Conservancy Establishment, but the result was most satisfactory, and if carried out throughout the Battalion, would, I am sure, tend greatly to the comfort and health of the Troops.

With regard to using tar for the purpose of destroying the smell of Latrines and Urinals, I beg to state that, in a dry climate like Bellary, the smell of the tar wears off in three or four days. The amount of tar allowed by Regulation only allows the Latrines and Urinals to be painted about two feet high from the ground, and three feet on the ground from the back-wall twice a month. The result is that only about three weeks, during the month, the effects of the tar are perceptible.

The dry earth process, is, however, more expensive than the tar system, and I beg to submit an estimate shewing the cost of each.

It will be necessary in carrying out the dry earth process to make use of some tar for the purpose of tarring the tubs used in the Urinals and Latrines, as it enables these utensils to be properly cleansed and the tar also preserves them from decay.

The extra Carts are required to bring into the Lines the cotton earth, and also to carry out the additional weight of soil which must necessarily be accumulated in the tubs.

The six extra Toties are requisite to assist in putting the earth into the Carts, and to be in constant attendance to sprinkle the mould into the tubs.

There would be great difficulty in getting Soldiers, especially young lads, to put the earth into the tubs before they left the Privy, and I am of opinion, to ensure carrying out this system effectually, it would be absolutely necessary to employ the extra Toties.

Statement of comparative cost of present Conservancy in the European Barracks occupied by the 2nd Battalion 21st Fusiliers, Bellary, and that required to carry out the dry earth system of deodorization.

Number.	Proposed Establishment.	Rate per mensem.	Number.	Present Establishment.	Rate per mensem.
5	Carts for Latrines at Rs. 12-8-0...	RS. 97	3	Carts for Latrines at 12-8-0	RS. 58
14	Toties at Rupees 7-0-0.....	A. 8	8	Toties at Rs. 7-0-0.....	A. 56
15	Gallons of tar for Urinals and Latrines at Rupee 1 per gallon.....	P. 0	30	Gallons of tar at Rupee 1 per gallon.....	P. 0
	Total Rs...	210		Total Rs...	144
	Proposed Conservancy Establishment.....	8			8
	Present Establishment.....	0			0
	Difference required for new system.	66			0
				Rupees sixty-six...	

Referred to the Controller of Military Accounts for early report, as to the provision of funds.

1st June 1865.

Report from the Acting Controller of Military Accounts, Fort Saint George, 2nd June 1865, A.

I have the honor to return the letter of the Officer Commanding Ceded Districts, with its enclosure, received under your docket of the 1st June 1865, for early report, as to the provision of funds, and to observe that funds have not been provided to meet the extra Establishment required by the Officer Commanding 2nd Battalion 21st Regiment at Bellary, to carry out the dry earth conservancy system.

2. The reason given by the Officer Commanding the Regiment for the entertainment of six extra Toties appears a very insufficient one.

3. It is understood that where the dry earth conservancy system is observed in Hospitals, Prisons, &c., each individual, who makes use of the Latrine, throws in a scoopful of dry earth, kept in receptacles at hand for the purpose; and there would seem to be less difficulty than would ordinarily be experienced in public Establishments in securing the due observance of an order by Soldiers accustomed to discipline.

4. The point is one of much importance, now that the dry earth conservancy system is likely to be generally introduced, as on the determination of the question depends the existence or non-existence of a very heavy item of expenditure.

5. In the present instance, Rupees 42 per mensem is the extra expense, arising out of the maintenance of the six additional Toties.

6. It is presumed that, in this respect, one system will be observed throughout the Army; and it seems, therefore, desirable that the question should be considered before any Establishments for Corps are sanctioned, in which the necessity for Toties for the purpose referred to, is recognized.

15 Gallons.

7. The quantity of tar to be used in conjunction with the dry earth in the Latrines seems large.

8. It may be necessary to sanction the extra Carts in the first instance, but when the value of the Poudrette as manure becomes known, cultivators may be glad to supply the dry earth in exchange.

9. Any extra expense authorised in connection with this measure could only be provided for in the regular Estimate, if that Estimate is still to be continued.

ORDER, No. 2229, 14th June 1865.

Ordered that the foregoing report from the Controller of Military Accounts, in which the Governor in Council concurs, be communicated to the Commander-in-Chief.

2. Pending receipt of final orders from the Government of India, regarding the general introduction of the system of Earth Conservancy, no additional expense can be sanctioned; the system may, however, be adopted to the extent that present means will admit of, and such assistance as can be afforded locally.

3. It will rest with the Commander-in-Chief to deal with the difficulty adverted to in paragraph 9 of Colonel Robertson's letter, with reference to the remarks in paragraph 3 of the Controller's report.

(True Extract.)

M. Hamilton
Secretary to Government.

To the Quarter Master General, with an enclosure.

- " Controller of Military Accounts.
- " Examiner Pay Department.
- " Military Accountant.
- " Adjutant General,.....
- " President Sanitary Commission, } for information.

Exd. J. E. Cadiart.

712

MILITARY DEPARTMENT.
PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following papers:—

From the Secy. to Govt. Public Works Dept., Here enter 30th October 1865.

Memo. from the Quarter Master General..... " 3rd January 1866, No. 46.

Memo. from the Quarter Master General..... " 12th " " No. 496.

From Surgeon Major H. W. PORTEOUS, for Officiating President Sanitary Commission, Madras, 26th October 1865, No. 519; to the Secretary to Government, Public Works Department, Fort Saint George.

As requested by the Superintending Engineer, 7th Division, I have the honor

Enclosures 2.
1 Plan.
1 Estimate.

to submit for the Orders of Government, the accompanying plan and estimate for improvements to the out-houses at the Military Hospital at Mangalore, which were

forwarded to this commission for approval.

2. The members observe that the proposed earth store and cart shed are not conveniently situated with reference to the two privies at the corners of the Hospital enclosure; but as no better arrangement, apparently, seems practicable, they recommend that the proposed improvements might be carried out.

Referred to the Military Department, with reference to the orders in that Department, No. 1376, 10th April 1865.

(Signed) C. A. ORR, Colonel, R. E.,
Secretary to Government, P. W. D.,
30th October 1865.

Transferred to the Quarter Master General.
2nd November 1865.

Memorandum from the Quarter Master General, Fort Saint George, 3rd January 1866, No. 46; to the Secretary to Government, Military Department.

Returns letter with enclosures from Officiating President Sanitary Commission, dated 26th October last, No. 519, transferred by Government on the 2nd November, and states that the works referred to in these papers are not authorized by Government, and the Commander-in-Chief is not yet entitled to afford his approval.

Memorandum from the Quarter Master General, Fort Saint George, 12th January 1866, No. 496; to the Secretary to Government, Military Department.

The Quarter Master General has the honor, in reply to the memorandum from the Secretary to Government, dated 10th instant, to state that the Commander-in-Chief's approval to the introduction of the dry system every where is already before Government, but the Government has

* *Vide Proceedings of Government, No. 2229, dated 14th June 1865.* refused* to go to any expense in carrying it out, until the orders of the Supreme

Government are known, consequently when an application for a shed for carts and earth store was sent in from Mangalore, it was out of the Commander-in-Chief's power to recommend their construction. The Sanitary Commission is aware that Government have refused sanction to any outlay, and so is the Officer Commanding the 14th Regiment; yet in forgetfulness of the fact, they propose that that shall be done for a Regiment of Native Infantry, which has not yet been ordered generally, for a Regiment of Europeans.

ORDER, No. 569, 12th February 1866.
Recorded, with reference to paragraph 2 of the Order of Government, marginally noted; the plan and estimate being returned to the Sanitary Commission, through the Department of Public Works.
(True Extract.)

M. M. M. M. M.
Deputy Secretary to Government.

To the Public Works Department, with plan and estimate and copy of Proceedings of Government, No. 2229 of 1865,
.. Quarter Master General.
.. President Sanitary Commission.
.. Adjutant General,
.. Controller of Military Accounts. } for information.

Exd. A. W. Cooke.

Prob 20 spec Copies

27 1866 Dated
Co. of Genl. for January
No. 655

del

Wm. H. H. H.

1866
No. 599

Comm. to the

Sanitary Commission

and to the
of the 7. Dec.

! pass. of food in the
city. Dated
of 12 1866
Dec. 17 1866
B. B. 1866

Returning to

the Sanitary Commission

with reference to No.

No. 2229 of 1865 the plan

and estimate for the

provision of a long built

house & a boat shed at

the Military Hospital

at Washington in the

South Eastern District.

No. 599-200 Dated 1866.

Wm. H. H.

Spent 81 George?
200 Dated 1866

Wm. H. H.

to the President of the

Sanitary Commission

at Washington in the

South Eastern District.

No. 599-200

27 1866-1867.