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M.R.O.)—77,606—8-6-37.

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MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. 74
144-146

Press
~~Mis.~~

Dated 29—1— 1862.

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department, 29th January 1862.

Read the following papers :—

No. 144. Read the following Proceedings of the Madras Government in the Military Department dated 9th January 1862, No. 73 :—

From the Quarter Master General of the Army, Fort Saint George, 11th December 1861, No. 294, to the Secretary to Government, Military Department.

SIR,

1. I have the honor, by order of the Provincial Commander-in-Chief, to submit for the information of Government, the following Report on the wells in the Lines of the Native Army, as called for in paragraph 2 of the Order of Government, No. 3,413, dated 24th September last, and to paragraph 9 of my letter, dated 10th October last.

Centre Division.—At Vellore and Arcot the water abundant and good throughout the year from a tank and wells. Palaveram more wells required.

Northern Division.—Masulipatam, Samulcottah, Vizianagrum, Vizagapatam and Berhampore, water insufficient, additional wells required in each of these Stations—at present has to be brought from a distance. Cuttack, Chicacole and Dowlaishweram abundant and good from the river and wells.

Southern Division.—At Trichinopoly water is good, and abundant from wells and from the country channels, some of the wells require repair. Palamcottah, sufficient water from wells which require to be repaired and deepened (at an expense of Rupees 158). Quilon, water abundant at all seasons from wells, several of which require to be repaired and deepened. Estimate of the cost promised.

Mysore Division.—Bangalore and Hurryhur, water good but scanty from wells in the hot months. French Rocks and Mercara good, abundant all the year round.

Ceded Districts.—Bellary, water from wells brackish, fail in the hot season, require deepening and repairs. Kurnool and Cuddapah well supplied.

Hyderabad.—Bowenpilly and Secunderabad, water good but scanty in dry months, wells require to be deepened.

Nagpore.—Kamptee, water from wells abundant and good all the year round, recommends they should be cleared out and cleaned *once a year*, some require deepening. Seetabuldee, water abundant and good all the year round.

Jaulnah.—Water from wells brackish and deficient, all require cleaning and deepening and repair.

Malabar and Canara.—Cannanore, water scanty in the dry season from wells which require to be repaired and deepened. Mangalore, water sufficient and good, wells require repair.

Pegu Division.—Wells in the vinicity of the Native Lines of Rangoon, Thetmyo, Tonghoo and Moulmein, kept in pretty good order by the Department Public Works, there is often as scarcity of water in the hot months, when it has to be procured from a distance and from rivers.

2. And with regard to that portion of the Proceedings of Government, in which the Chief of the Military Finance Department remarks that the expense of eight Bheasties allowed to the 44th Native Infantry, is Rupees 672 a year, which represents a capital of Rupees 13,000 at 5 per cent.; the Provincial Commander-in-Chief desires me to say, that he understands by this statement that, it is thought that, if the Lines were abundantly supplied with water from wells made by Government, Bheasties and Puckallies might be discontinued altogether in Regiments, inasmuch, as the cost of the wells would be much less than the pay of the water-carriers. On the march, this argument would of course be untenable, and even in garrison, the Provincial Commander-in-Chief does not consider that it would hold good. Water-carriers are not, and never

were, intended to supply water to every individual in the Lines, for it is obvious that one man to every three hundred souls in a Company is quite insufficient for that purpose. So that whether wells are dug by Government or not, that kindness would not enable the Regiment to dispense with the water-carriers, whose duties consist in keeping the water-chatties filled against the contingency of a fire, and various other minor duties connected with the conservancy of the Lines, Hospital, &c.

Referred to the Controller of Military Finance for consideration and report, with reference to Proceedings of Government, No. 3,413, dated 24th September 1861.

16th December 1861.

Memorandum from the Controller of Military Finance, Fort Saint George, 21st December 1861, D, to the Secretary to Government, Military Department.

Letter from the Quarter Master General of the Army, to the Secretary to Government, Military Department, dated 11th Dec. 1861, No. 294.

1. The Controller of Military Finance has the honor, in returning the letter noted in the margin, referred for report 16th instant, with reference to Proceedings of Government, No. 3,413, dated the 24th September last, to submit the following remarks:—

2. The Quarter Master General in this letter under report, enters at length into the present state of the wells and tanks at all the Military Stations in this Presidency, including Pegu. The necessity for an ample supply of good water for the Troops and their families at all Stations, is fully recognized; the only question being how it can best be obtained.

3. In many of the existing wells and tanks in the vinicity of Lines, throughout the country, the water is brackish, or salt, or bad, and its quality cannot be improved by cleaning, or deepening the wells, or sinking new wells in the neighbourhood, as the quality of the water is always a matter of doubt, inasmuch as the fresh, salt or brackish veins are contiguous to each other, so that there is always risk and expense in sinking new wells, and even after being sunk, rather than run the risk of using bad water, the Puckallies and Bheasties are compelled to go to a distance of a mile or more, to wells where the water is known to be pure.

4. At Stations where the water is described by the Quarter Master General as good and abundant, nothing more is required, but at those where it is bad, or insufficient, remedial measures are called for, and the Controller of Military Finance would suggest that the Engineering and Civil authorities at the latter, be requested to take such steps, in communication with each other, as may best conduce to obtain an abundant supply of good water, if practicable.

5. Abundance of good water being essential for the Troops and their families, the Controller of Military Finance is unwilling to recommend the discontinuance of Puckallies or Bheasties, or any reduction in their existing Establishments, even if wells were sunk at the expense of Government, for the reasons assigned in the closing paragraph of the Quarter Master General's letter under report.

Order, No. 73, *9th January* 1862.

1. Resolved that the foregoing papers be communicated to the Department of Public Works, in view to measures being concerted by the Chief Engineer and the Quarter Master General of the Army, to remedy, as far as practicable, the deficiency in the supply of water in Military Cantonments where most required, within the expenditure authorized for such purpose—Estimates being submitted for sanction for any work in excess.

2. The Governor in Council concurs in the opinion expressed by the Provincial Commander-in-Chief and Controller of Military Finance, that Puckallies cannot be dispensed with.

(True Extract.)

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

Proceedings of the Madras Government, Public Works Department,
29th January 1862.

No. 145. Memorandum from Lieutenant-Colonel THOMAS McGOUN, Controller of Military Finance, to the Chief Engineer and Secretary to Government, Department Public Works, dated Fort Saint George, 22nd January 1862, F.

The Controller of Military Finance has the honor to state, in reply to Memorandum from the Chief Engineer and Secretary to Government, Department Public Works, dated the 14th January 1862, No. 1, that the sum available for remedying deficiencies in the supply of water in Military Cantonments in this Presidency, is Rupees 1,600, as provided for in the Budget for 1862-63, exclusive of the pay, &c., of the establishment of Puckallies and Bheasties, in Corps, Departments, &c., and for Plunge Baths, Rupees 25,000.

	Rs.
For Extra Bheasties during the hot months	1,300
Cleaning wells	300
Total	1,600

No. 146. Order thereon, 29th January 1862, No. 74.

1. The foregoing papers will be communicated to the Chief Engineer for early attention.

2. It will be seen from the Memorandum from the Controller of Military Finance that the sum available in 1862-63, for remedying deficiencies in the supply of water in Military Cantonments in this Presidency is Rupees 1,600.

(Signed) W. H. HORSLEY, Lieut.-Colonel,
Chief Engr. and Secy. to Govt., D.P.W.

MILITARY DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following papers :—

From the Quarter Master General of the Army, Fort Saint George, 11th December 1861, *No.* 294 ; *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 Report on the wells in the Lines of the Native Army, as called for in paragraph 2 of the Order of Government, No. 3413, dated 24th September last, and to paragraph 9 of my letter, dated 10th October last.

Centre Division.—At Vellore and Arcot the water abundant and good throughout the year from a tank and wells. Palaveram more wells required.

Northern Division.—Masulipatam, Samulcottah, Vizianagrum, Vizagapatam and Berhampore, water insufficient, additional wells required in each of these Stations—at present has to be brought from a distance. Cuttack, Chicacole and Dowlaishweram abundant and good from the river and wells.

Southern Division.—At Trichinopoly water is good, and abundant from wells and from the country channels, some of the wells require repair. Palamcottah, sufficient water from wells which require to be repaired and deepened (at an expense of Rupees 158). Quilon, water abundant at all seasons from wells, several of which require to be repaired and deepened. Estimate of the cost promised.

Mysore Division.—Bangalore and Hurryhur, water good but scanty from wells in the hot months. French Rocks and Mercara good, abundant all the year round.

Ceded Districts.—Bellary, water from wells brackish, fail in the hot season, require deepening and repairs. Kurnool and Cuddapah well supplied.

Hyderabad.—Bowenpilly and Secunderabad, water good but scanty in dry months, wells require to be deepened.

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Jaulnah.—Water from wells brackish and deficient, all require cleaning and deepening and repair.

Malabar and Canara.—Cannanore, water scanty in the dry season from wells which require to be repaired and deepened. Mangalore, water sufficient and good, wells require repair.

Pegu Division.—Wells in the vicinity of the Native Lines of Rangoon, Thetmyo, Tonghoo and Moulmein, kept in pretty good order by the D. P. W., there is often a scarcity of water in the hot months, when it has to be procured from a distance and from rivers.

2. And with regard to that portion of the Proceedings of Government, in which the Chief of the Military Finance Department remarks that the expense of eight Bheasties allowed to the 44th N. I., is Rupees 672 a year, which represents a capital of Rupees 13,000 at 5 per cent.; the Provincial Commander-in-Chief desires me to say, that he understands by this statement that, it is thought that, if the Lines were abundantly supplied with water from wells made by Government, Bheasties and Puckallies might be discontinued altogether in Regiments, inasmuch as the cost of the wells would be much less than the pay of the water-carriers. On the march, this argument would of course be untenable, and even in garrison, the Provincial Commander-in-Chief does not consider that it would hold good. Water-carriers are not, and never were, intended to supply water to every individual in the Lines, for it is obvious that one man to every three hundred souls in a Company is quite insufficient for that purpose. So that whether wells are dug by Government or not, that kindness would not enable the Regiment to dispense with the water-carriers, whose duties consist in keeping the water-chatties filled against the contingency of a fire, and various other minor duties connected with the conservancy of the Lines, Hospital, &c.

Referred to the Controller of Military Finance for consideration and report, with reference to Proceedings of Government, No. 3413, dated 24th September 1861.

16*th December* 1861.

Memorandum from the Controller of Military Finance, Fort Saint George, 21st December 1861, *D; to the Secretary to Government, Military Department.*

The Controller of Military Finance has the honor, in returning the letter noted in the margin, referred for report 16th instant, with reference to Proceedings of Government, No. 3413, dated the 24th September last, to submit the following remarks:—

Letter from the Quarter Master General of the Army, to the Secretary to Government, Military Department, dated 11*th December* 1861, *No.* 294.

2. The Quarter Master General in his letter under report, enters at length into the present state of the wells and tanks at all the Military Stations in this Presidency, including Pegu. The necessity for an ample supply of good water for the Troops and their families at all Stations, is fully recognized; the only question being how it can best be obtained.

3. In many of the existing wells and tanks in the vicinity of Lines, throughout the country, the water is brackish, or salt, or bad, and its quality cannot be improved by cleaning, or deepening the wells, or sinking new wells in the neighbourhood, as the quality of the water is always a matter of doubt, inasmuch as the fresh, salt or brackish veins are contiguous to each other, so that there is always risk and expense in sinking new wells, and even after being sunk, rather than run the risk of using bad water, the Puckallies and Bheasties are compelled to go to a distance of a mile or more, to wells where the water is known to be pure.

4. At Stations where the water is described by the Quarter Master General as good and abundant, nothing more is required, but at those where it is bad, or insufficient, remedial measures are called for, and the Controller of Military Finance would suggest that the Engineering and Civil authorities at the latter, be requested to take such steps, in communication with each other, as may best conduce to obtain an abundant supply of good water, if practicable.

5. Abundance of good water being essential for the Troops and their families, the Controller of Military Finance is unwilling to recommend the discontinuance of Puckallies or Bheasties, or any reduction in their existing Establishments, even if wells were sunk at the expense of Government, for the reasons assigned in the closing paragraph of the Quarter Master General's letter under report.

ORDER, No. 73, *9th January* 1862.

Resolved that the foregoing papers be communicated to the Department of Public Works, in view to measures being concerted by the Chief Engineer and the Quarter Master General of the Army, to remedy, as far as practicable, the deficiency in the supply of water in Military Cantonments where most required, within the expenditure authorized for such purposes—Estimates being submitted for sanction for any work in excess.

2. The Governor in Council concurs in the opinion expressed by the Provincial Commander-in-Chief and Controller of Military Finance, that Puckallies cannot be dispensed with.

(True Extract.)

Deputy Secretary to Government.

To the Quarter Master General.
" Department Public Works.
" Controller of Military Finance.
" Adjutant General.
" Commissary General.
" Military Finance Department.

Exd. T. Stubbs.

F

Memorandum.

The Controller of Military Finance has the honor to state, in reply to Memorandum from the Chief Engineer and Secretary to Government, Department Public Works, dated the 14th January 1862 No. 1, that the sum available for Remedying deficiencies in the Supply of Water in Military Cantonments in this Presidency, is Rs. 1600, as provided for in the Budget for 1862/63, exclusive of the Pay &c. of the Establishment of Puckallies and Bheasties, in Corps Departments &c., and for Plunge Baths Rs. 25,000 — — —

For Extra Bheasties during the hot Months. Rs.	1300	— —
Cleaning Wells Rs.	300	— —
Rs.	1600	— —

Office of Contr. Mily Finance
Fort St. George 22d January 1862

Chas Bowman Lt Coll
Controller Mily Finance

To The Chief Engineer and
Secretary to Government
Dept. Public Works.
Fort St. George

Rec'd March 1862 Dept. Public Works

No. 8 of the Quarterly Cost in the Military Dept.

Dated January 1862 Rs.

Communicating for a letter from the Secretary Board of Revenue forwarding a Memorandum of the Controller of Military Finance in view to a Grant being made for the Chief Engineer to remedy the deficiency in the supply of water in Military Cantonments.

Rs. 1600/44.

The papers will be sent to Cmdr. & Chief Engrs. Secy. in compliance with the request of the Board of Revenue

[illegible]

It will be seen from the Memorandum of the Controller of Military Finance that the Rs. 1600 for 1862/63 for remedying deficiencies in the supply of water in Military Cantonments is provided for in the Budget for that year

Engineer's Office
Fort St. George
Dated 24th March 1862

No 14 Public Works Dept.

Proceedings of the Madras Govt.
Under date the 29th January 1862
Read the following papers

Proc: of the Madras Govt.
in the Mily Department

Communicating a letter from the Pr. Sec. to Govt of the Army and a Memo: from the Controller of Mily Finance in reply to measures being concerted by the former Officer and the Ch Engr to remedy the deficiency in the supply of water in Mily Cantonments

M.C. 9th January 1862
No 73.

From the Controller Mily Finance -

States that the sum available for remedying deficiencies in the supply of waters in Mily Cantonments in this Presy is Rs 1600 as provided for in the Budget of 1862/63 exclusive of certain items & charges.

M.C. 22nd January 1862
No —

The foregoing papers will be communicated to the Chief

Proceedings of the Govt of Madras
Mily Dept
No 153.
Forwarding Mily Finance
To the Govt Mily Department
dated 29th January 1862

Rds 22
Rs 2283
No
Enclosure
5

Stating that the sum
available for remedying
deficiencies in the supply
of water in Mily Cantonments
in this Presidency is Rs 1600
as provided for in the Budget
for 1862/63 exclusive of
certain items & charges.

Pro 145.

Chief Engineer for
early attention -

2. It will be seen
from the Memo: from
the Controller of
Military Finance
that the sum available
in 1862/63 for remedying
deficiencies in the
supply of water in
Military Cantonment
in this Presidency is
Rs. 1600.

W. H. H.

13 Copies

To the Chief Engineer Dist.
3. " Military Depart.

30/5 40

No 87

Public Works 1862 Depts
Pro. of Cont. for Army.

No 274.
Pro. of the Brabaz Govt
Dy 29th Jany/62.

From the Colonies
1863

Communicating
to Chief Engineers Papers
relating to the supply of
water in the Military
Cantonments.

No. 144 at 146

9/