

for 469w. 12.2.83
2060w. 27.7.83.

Arch 1455✓

no 547 w a/28th Feb/84
P.

Communicated
to the Suplt Engr. V
Circle.

Cy.
25-2-84

Arch 1654✓

Govt. of (1884) Madras.
MILITARY.

To
THE QUARTER MASTER GENERAL,
&c., &c., &c.

20. S.C.

Dated February, 19th.

Issued

Recd. 22/2/84.

Encl.

G.O., 19th February 1884, No. 802.

N: 547 w a/28th Feb/84

FEBRUARY.
Nos. 215-219.

Military Buildings—Native Lines.

Native Infantry Lines at Rayapuram.—
Adoption of the Seven Wells scheme for flush-
ing the drains in the —, sanctioned; and the
question raised in regard to the utilization, free
of charge, of undrawn Red Hills water on some
Government buildings, referred to the Financial
Department.

S. E. V Circle
S. E. V Circle
Genl Engr P.W. Stores
Genl Engr P.W. Stores

Despd. 29/2/84.

22/3
20/3 1893

with order
Subtr Engr Engr

22/3. Despd. 29/2/84. 1893

with order
Subtr Engr Engr

for 469w. 12.2.83
2060w. 27.7.83.

Arch 1455

GOVERNMENT OF MADRAS.
MILITARY DEPARTMENT.

19th February 1884, No. 802.

Military Buildings—Native Lines.

Read the following papers :—

No. 215. From Brigadier-General R. C. STEWART, Quarter Master General, to Colonel E. L. HANKIN, Secretary to Government, Military Department; dated Fort St. George, 18th September 1883, No. 6457.

In forwarding, for submission to Government, the accompanying letter from the Brigadier-General Commanding Eastern District, putting forward for consideration two alternative schemes for providing more economically and more efficiently than the existing arrangements do, for flushing the drains in the lines of the Native infantry regiment at Ráyapuram, I am desired to state that His Excellency the Commander-in-Chief strongly supports General Stewart's recommendation that the Red Hills water scheme be adopted.

2. The advantages of this scheme are that the head of water from the Red Hills source would be greater than from the Seven Wells, and that though the annual charge payable to the Municipality seems high, it includes maintenance of the system in efficient working order in all details and thus relieves the State of all liability on this head, whereas the adoption of the Seven Wells scheme would probably involve frequent expenditure in repairs, &c.

From Colonel T. S. HAWKS, Officer Commanding Eastern District, to the Quarter Master General; dated Fort St. George, 23rd August 1883, No. 243-G.

I have the honor to acknowledge the receipt of your letter of 8th August 1883, number No. 5569, of 8th August 1883, requesting to submit revised proposals on the subject of flushing the drains of the regimental lines at Ráyapuram. and subject as per margin, and, in accordance with instructions, to submit revised proposals showing exactly the relative merits of two schemes for the flushing of the drains in the lines at Ráyapuram instead of as at present by the expensive, tedious and inefficient method of picottah.

1st Scheme—Utilizing Seven Wells water.—The Public Works Department have estimated that the probable cost of laying down iron pipes (3") connecting the four cisterns in the regimental lines with Seven Wells water will be Rs. 4,300, there would be no charge for the water supplied, nor would any establishment be required to fill the cisterns if taps were attached to the pipes, so the expense for this scheme would be (1st) the original outlay, which is certainly rather heavy; (2nd) repairs which are, as a rule, now and again required.

2nd Scheme—For laying on a system of pipes to supply Red Hills water to the Picottah cisterns in Ráyapuram lines.—The Municipality estimate* that at a cost of about 1,607 rupees they could lay down a system of pipes to supply Red Hills water to the picottah cisterns in the Ráyapuram lines, including all charges connected with the supply and erection of a drinking fountain. The monthly charge for the water would be about 36 rupees per month, making an annual charge of about 432 rupees. No establishment would be required, as the pipes would be furnished with taps.

* Estimates enclosed.

The first scheme requires 4,300 rupees—a large outlay—but no yearly charge beyond repairs; the second scheme requires an outlay of 1,607 rupees, being nearly 2,800 rupees cheaper than the first scheme, but a yearly charge of about 430 rupees for supply of water.

The Municipality would keep the pipes and fountains in order and repair, whereas the Seven Wells water pipes would be a charge on Government for any repairs that might from time to time be needed.

for 1/3. Despatch 29/2/84. 1074/3

with order
Subscribed

Taking everything into consideration and after consulting with the Officer Commanding the 26th Regiment (the regiment at present occupying the Ráyapuram lines), I propose that preference be given to the Red Hills water scheme over that of the Seven Wells, as being cheaper in the original outlay.

It is true that the saving of an annual charge for the Red Hills water-supply would in about seven years recoup the heavy outlay required for the Seven Wells water scheme, but then again it must be taken into consideration that repairs might be required which might amount to nearly the charge for water-tax.

The present picottah system is certainly the most expensive, as the annual expenditure is about 795 rupees, whereas if Red Hills water was laid in the annual saving to Government would be about Rs. 350—this saving would in about six years outbalance the outlay of Rs. 1,607.

The papers forwarded with your No. 5569 are herewith returned.

No. 216. *From Brigadier-General R. C. STEWART, Quarter Master General, to Colonel E. L. HANKIN, Secretary to Government, Military Department; dated Fort St. George, 26th November 1883, No. 8300.*

In continuation of this office letter, No. 6457, dated 18th September 1883, on the subject of schemes for flushing drains in the lines of the Native infantry regiment at Ráyapuram, I have the honor, by order, to request that an addition of Rs. 108 may be made to the estimate for the Red Hills water scheme, to enable four taps to be provided to the cisterns, so that the whole of the present establishment of picottahmen may be done away with.

2. Should these taps not be provided, the services of a picottahman would have to be retained to work the shutters connecting the cisterns with the drains.

No. 217. *Extract of a letter from the Controller of Military Accounts; dated 5th December 1883, B.*

Para. 7. With reference to the monthly charge for water supplied, it appears possible that some arrangement might be made with the Municipality whereby the undrawn water that Government is entitled to on some of its buildings could be taken as a set-off against the quantity drawn for flushing the Ráyapuram lines. To Government Solicitor, No. 3089, of 29th November 1883.

8. Copies of correspondence with the Government Solicitor on this matter are attached. From above, No. 630, of 1st December 1883.

No. 6630.

Referred to the Public Works Department for remark on the proposal in the Quarter Master General's letter.

The question raised in the penultimate paragraph of the Controller's letter will be considered hereafter.

(By Order.)

FORT ST. GEORGE,
7th December 1883.

(Signed)

E. L. HANKIN, Colonel,
Secretary to Government.

No. 2490-C.

Referred to the Superintending Engineer, V Circle, for report. (Return requested.)

(By Order.)

CHEPAUK,
13th December 1883.

(Signed)

C. BOWEN, Major, R.E.,
Dy. Chief Engineer, P.W.D.

No. 218. *From Colonel H. L. PRENDERGAST, R.E., Superintending Engineer, V Circle, to the Chief Engineer, Public Works Department; dated Chepauk, 8th February 1884, No. 3885.*

In returning your endorsement, No. 2490-C., dated 13th December 1883, I have the honor to report that the Seven Wells establishment can provide water for flushing the drains of the Ráyapuram lines, and must be maintained whether the water required for the drains is drawn from the Seven Wells or from the Red Hills. Thus the water, if obtained from the Seven Wells, will be provided free of expense. There will be no extra charge on account of repairs to pipes, &c., if the Seven Wells water be used, as such repairs can be executed by the establishment belonging to the Seven Wells water works.

2. On the other hand, the Red Hills water can be provided at less original cost, but there will be the annual charges for the supply of water.

The cost of the two schemes stands thus:—

Seven Wells.			Red Hills.		
		RS.			RS.
Initial cost	...	4,300	Initial cost	...	1,715
Contingent charges—	trifling.		Annual charge for water, capitalized at 4 per cent. per annum	...	10,800
			Total	...	12,515

No. 316-C.

Transferred to the Military Department and the referred papers returned.

In the opinion of the Public Works Department it would be more economical to adopt the Seven Wells supply.

(By Order.)

CHEPAUK,
11th February 1884.

(Signed)

J. SHAW-STEWART, Col., R.E.,
Secy. to Government, P.W.D.

No. 219. ORDER THEREON, 19th February 1884, No. 802.

The Government prefer the Seven Wells scheme and sanction its adoption.

2. Paras. 7 and 8 of the Controller of Military Accounts' letter above recorded will be referred, for consideration and disposal, to the Financial Department.

(True Extract.)

Alfred Herbert

Lt.-Col.,

Offg. Secretary to Government.

To the Quarter Master General, with 4 enclosures (1 plan).
" Controller of Military Accounts.
" Public Works Department. *with 20 s/c*
" Financial Department, with 1 enclosure.
" Adjutant-General, for information.

Exd. P. L. Pereira.