[Finl. / 6.]
500—24-8-97.

Financial (1899) Department.

ORDINARY MS.

G.O., No. 337

DATED 8- 3- 99

57/58 (in public co)

R

INDEXED.

34/99

[Despatch Abstract.]

Authorising the A.G. to place a sum of Rs 300 at the disposal of the Sanitary commissioner for the purchase & setting up of a water sterilizator required in the chief Secretariat.

T 8-3-99

BACK P

G.O.	No.	Department.	Date.			Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.
D.O.	No.	360/99.	= Do 228 4-8-98				

Secretariat Drinking Water Supply

Notes and D.O.s to Dr. King

H. C.
M.

What are the present arrangements as regards drinking water in the Chief Secretariat at the Fort? Are there any filters and, if so, of what kind and in whose charge? Full report please.

(Intd.) C.M.S.

20-4-97.

C. A.

We have pipe communication ~~wit~~ with the "Seven Wells". The water women fill the goglets with such water and we drink it. There is a filter for the Chief Secretary's use but that is now out of order.

With regard to the Hindus, a Brahmin visits the office and supplies them with water.

(Intd.) C.C.

22-4-97

C. S.

Submitted that the above arrangements are absolutely unsafe and that the office should be provided with good filters. Perhaps Dr. King might be consulted as to what measures he would suggest to ensure that a pure supply of drinking water is obtainable by the clerks and others throughout the Secretariat buildings at Madras.

(Intd.) C.M.S.
4-5-97.

Yes. I have more than once intended to see about this but somehow or the other it has slipped out of my mind. There are only two filters of any use Pasteurs and Berkefeldts; any others are worse than none.

(Intd.) J.F.P.
5-5-97.

D.O.

Ootacamund
6th May 1897.

My dear King,

On enquiry, I find that the arrangements for drinking water in the Secretariat buildings at the Fort are very defective. Would you oblige me by looking into the matter and telling me what you would propose to set matters on a safe footing.

(Intd.) J.F.P.
6-5-97.

Surg. Lt. Col. W.G. King.

D. O.

Madras
2~~6~~3-6-97.

Dear Mr Price,

With reference to your

Your D.O. of the 6th May 1897, I send herewith a Memo. treating of the conditi of the water-supply of the Secretariat. It certainly requires revision.

Yours faithfully,
(Signed) W.G. King.

+++++++++++++++++++

MEMORANDUM on the condition o the drinking water-supply in the Secretariat buildings.

There are two sources of water supply; one from the Red Hills, the other from the Seven Wells system. The latter was till recently the sole supply of Fort St. George. There is a service tap for each source at the corner of the building near St. Mary's Church. The "Seven Wells" tap discharges into an open cistern, whence the water is lifted by chatties. Waste from this and from the Red Hills tap passes to the Fort underground drains. Both waters have long been pronounced chemically "bad". The Seven Wells water has however shown progressive degeneration. It was formerly a safe water being obtained from a sandy soil-well away from all sources of pollution. With the advance of Madras Town, however, graveyards, undrained habitations, sewage farms made by by filling in hollows with thousands of tons of mixed town rubbish and excreta, and a canal gorged with sewage are within its sub-soil flow. There is also a public sewer running close to it. This, as seen on the accompanying diagram A was "formerly leaky", and although reported by the Municipality to have been repaired, it does not follow that it need remain in this condition. Colour is given to the deduction that its vile surroundings have affected the "Seven Wells" water by diagram B , which exhibits the influence of the fall of the subsoil water in Madras, and the incidence of typhoid amongst the troops in garrison. The fall of the subsoil water would of course have had the effect of casuing the "draw" of the well to be over a larger area, or, in other words, its "drainage cone" would have been enlarged. I believe it is due to representations made ~~on~~ of this subject to the Military that the Red Hills water has been introduced in the Fort.

2. The Red Hills water is derived from an area imperfectly protected, and is, during its course towards Madras, conveyed in an open channel. It is distributed without previous filtration - a sanitary carelessness that Madras will ~~some~~ some day pay dearly for in the shape of human life. During its distribution, the water undergoes much chance of contamination by aspiration owing to careless laying of distribution pipes. On delivery

the

the Red Hills water has much deposit as a rule, though its quality in this respect varies considerably.

5. From the above, it will be seen that the "Seven Wells" water ought to be condemned, and that the Red Hills water is not free from suspicion.

DELIVERY of water in the Secretariat buildings.

---

4. Some of the Secretariat native clerks bring water with them from their private dwellings; others send caste peons to obtain it for them. The temptation to take water from the open ⊗ cistern of the Seven Wells water - which is subject to contamination by dipping of the chatties and hands of gardeners, and washing of feet and mouths of persons etc.-is obvious. The delivery of ~~the~~ Red Hills water to officers is effected by a "tunnikutchi". The woman is of the average cleanliness of her class. Under the orders of the acting sergeant, she exhibited to me the pots in which she carries the water. These were stored under the stairs of a back entrance to the offices. They are therefore subject to receiving dust from the feet and clothing of persons using these stairs. The actual place of storage below stairs was also not inviting as to clea~~l~~nliness. In respect to procedure, the

"tunnikutch"

⊗ H.C
M.

This is the one in front of the building?
(Sd) C.M.S
30.6.92.

Yes. (Sd) C.C

" [illegible]"

A

B

"tunnikutch" explained that she was very careful as to straining the water before it was taken to the "dorees", indeed, her care extended to her classifying the drinkers into "big dorees" and"little dorees" . The latter embraced managers of offices Eurasian clerks and the like. For these as the demand was not infrequent, she kept round her waist tied by a string ~~and~~ and next her skin a piece of white (?) cloth for straining; for the former - including therein the Chief Secretary - she used a white cloth which was now at the dhoby. Having gone through this preliminary straining process conducted by the expert "tunnikutch" , the water was delivered into a filter immediately outside the Chief Secretary's room. This filter looks decidedly ancient. The filtering materials are sealed down so as to render cleansing impossible, and the first process of straining is effected by the universally condemned method of using a sponge. The above arrangement as to delivery more than justify the Chief Secretary's assertion that arrangements as to water-supply are "very defective". Irrespective of the filthy method of chatty storage and the straining through cloth that had been worn next the skin by the "tunnikutch" or subjected to cleansing by Madras dhobies in filthy pools, the filter is nothing but a microbe breeder.

IMPROVEMENTS suggested

(5) The Seven Wells water shoul be cut off entirely. The excuse that is required for garden purposes should not be listened to, unless it be shown that the Madras Municipality cannot afford the little water necessary. If it must be retained, the open cistern shoul be abolished and the tap should be provided with a key retained by the sergean with orders to allow it to be opened onl for garden purposes.

(6) In utilizing the Red Hills supply, a difficulty is experienced as to the level it will reach. Thus, on my refe ring this question to the Executive Engineer, Military Works, he informs me that the "Constant pressure in the main of both supplies and the resulting pressures are insufficient to raise water above the basement in the Secretariat buildings." I put this question to the Executive Engineer, as it is obvious that it would have afforded much sanitary protection, had it been possible to bring the water under sufficient pressure to the various floors in the building, and would have facilitated the process of purification which I deem necessary.

(7) To obtain a really good and safe water from the Red Hills, it is necessary (a) to get rid of the suspended matter, (b) to reduce the organic matter in solution, (c) to stay possible pathogenic germs that it is calculable must in course of time come as a "thief in the

night"

ight" uninvited. These ends could be ccomplished by using at all times (or at any rate, when the water appeared to have large amounts of suspended matter) precipitation by the alum process. The improvement as to ~~as to~~ organic matter in solution could be obtained by ~~subjecting~~ passing the water through pol*arite. Bacterial purity could be obtained by subjecting the water, as a final act, to Pasteur's filters. These successive processes could be effected in two ways:-

(A) By erecting small reservoirs for precipitation, and filtration through polarite. Having secured this extent of purification, the water would be pumped by a force pump to the roof of the Secretariat to a small Cuddapah slab reservoir, and thence be conducted by a pipe to the first floor of the Secretariat which would apparently give a fall of over twenty feet. Here the water could be delivered by passing through Pasteur's filters. This scheme might possibly ~~objected~~ be objected to by the Engineers, on the ground that the old roof of the Secretariat ought not to be subjected to any strain, though it may be the actual amount consumed would not imply an inconvenient weight, if a suitable spot in the structure were chosen. If however, the roof will bear any pressure, such a scheme might

might be united with one for a tank delivering into the Record room which, pointed out by me in a memorandum on t building in 1891 (D.O. to Honourable Mr. Price) is unsafe from fire.

(B) If however, the above were i possible, then all that would be requir is that after receipt from the polarite filter the water should be forced by a small hand pump through a battery of Pasteur filters. From this, water could be sent in locked enamelled jugs to the departments requiring it. This would demand the building of a simple room of about 16"X~~by~~ 12". All arrangements for filtration etc. would cost about Rs. 600 to complete.

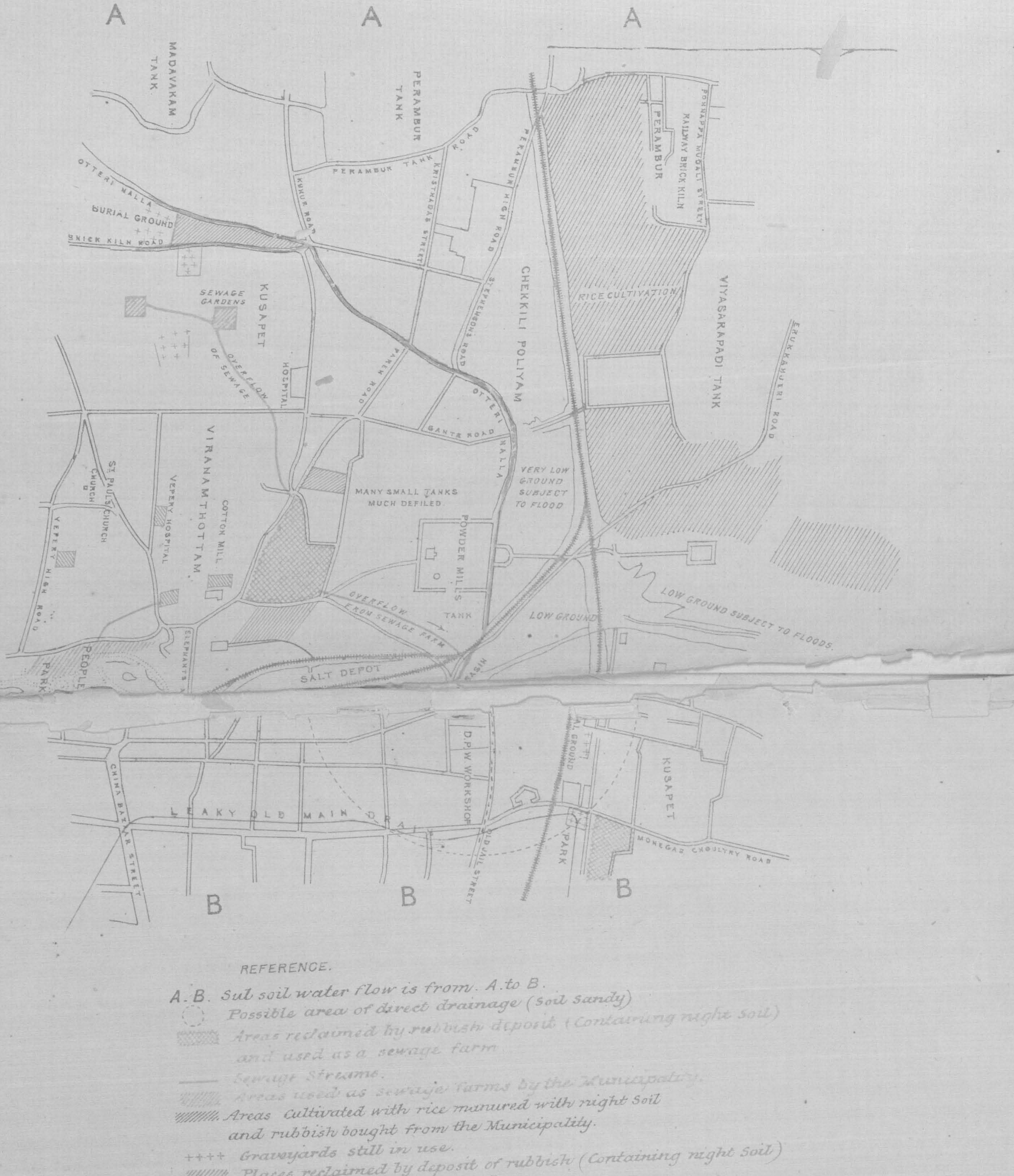
(Signed) W. ~~L~~G. King.

25-6-97.

* By using Anderson's revolvers as an alternative, the precipitation process could be dispensed with; but it would be difficult to adjust them to size of reservoirs having regard to varying demand on so small an undertaking.

Diagram 11.

#



REFERENCE.

A. B. Sub soil water flow is from A. to B.
◌ Possible area of direct drainage (Soil Sandy)
▨ Areas reclaimed by rubbish deposit (Containing night Soil) and used as a sewage farm
— Sewage Streams.
▨ Areas used as sewage farms by the Municipality.
▨ Areas Cultivated with rice manured with night Soil and rubbish bought from the Municipality.
++++ Graveyards still in use.
▨ Places reclaimed by deposit of rubbish (Containing night Soil)
■ Site of Seven Wells Water works

Scale 3 Inches = 1 Mile $\frac{1}{21120}$

1 2 3 4 5 6 7 8 FURLONGS OR 1 MILE.

Reg: No. 1523 Copies 275 450

Litho-Survey Office, Madras.
1895

Diagram B.

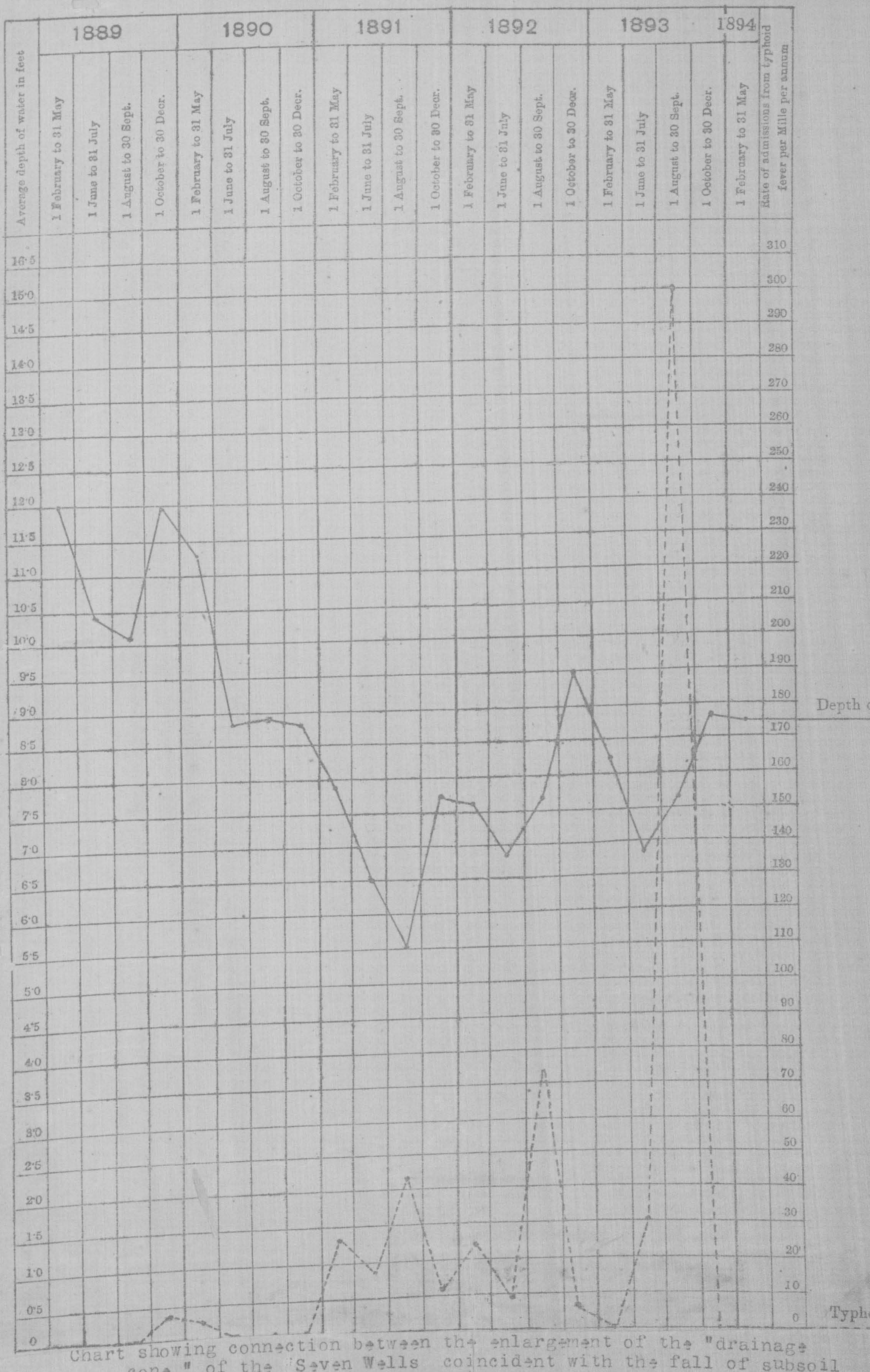


Chart showing connection between the enlargement of the "drainage cone" of the Seven Wells coincident with the fall of subsoil water level in Madras and prevalence of typhoid fever amongst the troops in Fort St George who used the Seven Wells water.

Recd. D.O. No. 53 of 97

M.C./M.

Para.4 of the report.

Who pays the "Tanni kutchi" ? Is she a whole time servant of the Secretariat ?I suppose she is one of the water-women on Rs. 4/.

2.Please let me have Sergeant's explanation as regards A and B . Explanations from both the permanent and acting Sergeants should be obtained.I should also like to have your remarks.Have you ever looked into this matter?.You will please make suitable arrangements at once for the pots being kept clean and in a clean spot and for the place alluded to by Dr.King being thoroughly cleaned at once.

3.The water-women's explanation and that of the Sergeant's should be taken as regards C .Your remarks are also required.

4.Ascertain price &c.of Pasteur filters and report please.

5.Ascertain through Sanitary Commissioner's office to whom the subject of improvement of water supply arrangements in the Secretariat should be referred.

6.What do we want of water-women ? Cannot the gardener put the water or would it not be better to employ another gardener on Rs. 6/.instead of two women on Rs.4/?.

(Intd.) C.M.S

30-6-97.

NOTE FOR THE C. A.

The sergeants, permanent and temporary, explain that there is no store room, that since the abolition of the Military Dept. the Military tiffin room was so used, but that Mr. Davidson a few months ago ousted us and took possession of the room for the Revenue clerks, that consequently the water pots were stowed away, mouth downwards, under the main stair case used by the office to hide them from view as well as protect them from risk of breakage, and that before use, the pots are always thoroughly washed both inside and outside. The absence of a store room is a serious drawback; still that was no reason why the stair-case should have been chosen. The open display of a few earthen pots is not a sight that need offend and I have therefore directed that they should be deposited in the office tiffin room. Properly they should be stacked on a rack as the tiffin room itself is not free from vermin. And as for breakage, it is as well that the pots should at short intervals be replaced by fresh ones, as they get offensive after use for sometime. With regard to the present contaminated pots, I smashed them myself and have bought others. The sergeant has been provided with a cloth for straining water and this operation is now performed in his presence and he keeps the cloth. The place

under

Which one?
CmB

under the staircase should, of course, not have been selected but while that place is objectionable for such a purpose it is otherwise kept as clean as such a spot could be expected to be.

Government pays the tannikatchi who is a whole time servant on Rs. 4 per mensem, there are two of them. The women referred to is an old creature who has put in service sufficient for pension and she might go. The other is a young women appointed the early part of this year in succession to her mother who died while her pension application was under consideration (she had put in 54 years.) The old woman tried to make believe that Dr. King did not report the incident correctly but it was clear she was lying.

Is her post pensionable? I think not.
CMB
II

I enclose sheets obtained from Messrs. Oakes and Spencer's catalogues showing the prices of the Pasteur's filters. The Sanitary Commissioner's office was unable to give precise information; but I have ascertained from that office that to move for the improvement of the Red Hills supply, the Municipality, and the Seven Wells supply, the Executive Engineer, Military Works, should be addressed.

The H.C. has not yet answered my question as to the desirability of replacing the two ~~men~~ women by a gardener on Rs 6/.
CMB
III

A Pasteur Filter ~~of~~ of 2 gallons capacity & with an output of 3 gallons per diem costs about Rs 59.
CMB

The reference can't give me Dr. King's D.O. of 97 enclosing a memo but I forward a proof copy of the memo which I happened to have.

(Initd.) C.C.
30-7-97.

NOTE FOR THE CHIEF SECRETARY

They certainly are bad fortunately I don't drink the water
ND

Please see these notes and Dr. King's memorandum re: Drinking water arrangements in the Secretariat. It is evident that these have been conducted on absolutely filthy principles and the explanations afforded are by no means satisfactory.

The first thing to be done is apparently to arrange for the proper purification and filtration of such water as is obtained for drinking purposes. Dr: King is on the spot and would probably not object to seeing the matter through. He might be asked (D.O.) if he would and also to let C.S. have an approximate estimate of the apparatus etc. required. Draft D.O. is appended.

As regards the general conservancy arrangements of the Secretariat I have long been of the opinion expressed by Dr: King in 1890- vide his note flagged R- that the sergeant of the office should be a pensioned soldier who would have some idea on matters of ~~carelessness~~ cleanliness. It would be difficult to make any change now. The present man is not entitled to pension and it is perhaps no fault of his own that he has been put into a post for which he is not fit. The matter of the tannikatchis employed in the Secretariat requires further looking into and the Head Clerk has not answered my queries completely. He will now be

Ne/M IV

IV

be directed to do so and to report generally on the existing conservancy arrangements e.g. sweeping etc. etc. I am by no means satisfied that the office is kept as clean as it might be.

Cwb
4/8/[illegible]

K+ [illegible]
[illegible] 6/8/97

DO [illegible]
7/8/97

HC/O.

Issue the D.O to Dr King then send file to HC/M.

Cwb
5/8/97

HC/M. See my queries etc & answer on separate slip please – sending you further note [illegible] typewritten

Cwb
5/8/97

C.A.
– Vide attached replies.
12/8/97

D.O.

Ootacamund
7° August 1897.

My dear King,

Many thanks for the memorandum on the condition of the drinking water-supply in the Sectt. buildings forwarded with your D.O. of the 23rd ultimo. It certainly has brought to light a most undesirable and unsatisfactory state of affairs, a state which I feared existed when I wrote to you on the 6th of May. You are of opinion that the Seven Wells water should be cut off entirely and I writ to ask you to communicate with the authori ties concerned as regards this. You can inform them that you have been asked by m to move in the matter. As regards the arrangements for the purification of the water, a matter which should apparently be taken in hand at once whatever the source of the supply may be, I should feel greatly oblige if you as an expert on the subject would ~~take~~ put the matter in ~~hand~~ train. I ~~don't like to~~ hesitate about ~~bother~~ troubling you as I know your time is fully occupied but as you are on the spot and could carry out more effective arrangement than I would be able to, I think the matt could not be left in better hands. You might show this letter to Mr. Jones if th assistance of his dept. is necessary as regards any particulars. Of course befor actually carrying out any measures it wo be ~~safer~~ better if you ~~give~~ gave me a rough idea of cost of what you propose to do as this m require the sanction of the Members of

The process described in para 7 (B) of your memorandum would I think suffice but I have no idea of what is exactly required. I have told my Head Clerk at Madras to place himself under your orders in regard to this matter and he will arrange for supplying any information and doing any copying or other work you may require ~~in connection therewith~~. I am afraid we cannot make any proposals for building extra rooms, but accommodation could doubtless be made found in the present buildings for the room purpose you mention.

HC/M Trusts Cmd bb

Cmd 4/8/97

Fo 5/8/97

To

Surgeon Lt Col W. C. King

Despd 7/8/97

List of menial servants, their duties, &c.

+++++++

No.	Class	Pay	Hours of attendance.	Duties.
7	Sweepers (women)	Rs. 3½	7 A.M.-5 P.M	Daily between the hours of 8 and 11 A.M. sweep the whole building - i.e., the Chief Secretariat including the General Records, the Revenue and Local & Municipal depts. and the Sanitary Engineer's Office, but not the office of the Sanitary Commissioner as that officer has made his own arrangements; they also assist in filling the tubs for watering tatties during the hot weather. In the day they carry library packages and sometimes parcels to the post office.
2	Water-women	4	7 A.M.-5 P.M.	Supply water for drinking and washing purposes to the rooms of the Secretaries of the Chief, Revenue and Local & Municipal Depts. and of that of the Sanitary Engineer; and during the hot weather they fill the tubs for watering tatties.
2	Toties (men)	5	7 A.M.-5 P.M.	Clean the vessels in the closets attached to the rooms of the several Secretaries, &c., specified above and of their Assts; dust the doors and windows and occasionally the ceiling; they are also employed in conveying by the hand-cart heavy packages and boxes to outside offices. Note. There is a third toty whom we pay (Rs.5) but he has been handed ~~handed~~ over to the Barrack Master as that officer sees to the conservancy of the latrines.
1	Gardener	6	7 A.M.-5 P.M.	Looks after the grounds surrounding the Secretariat buildings, sweeps and keeps them tidy.
1	Maty	8½	11 A.M.-8 PM	Cleans, trims and lights the lamps belonging to the Chief Secretariat. Makes tea too, I think, for some of the Under Secs.
2	Night-peons	11 8½	5 P.M.-11 AM	Watch the portions of the buildings belonging to the Chief Secretariat, take charge of tappal received after the office closes, and when a telegram or urgent cover is delivered carry it to the addressee.

bb.

5/97

~~Issue~~ Not file contents
CI. SECRETARIAT,
D. O.
No. 401
In copy 8th 9 to D.
Dated 8.9.1897
K. [illegible]
[illegible]

(for conservancy purposes)

HC / M.

After despatch of D.O. please return file to CA intact

4.9.97

Ootacamund
8th Septr. 1897

My dear King,

In continuation of my D.O. of the 7th ultimo I hope you will not mind my troubling you with the accompanying list of menials employed in the Secretariat buildings, Fort St George and asking you to let me know whether you think a re-arrangement of [illegible] & their duties might not be effected with advantage. I don't like the idea of ~~[illegible]~~ employing these waterwomen for supplying drinking water & think one man on Rs 6/. would be much better than two of ~~these~~ women on Rs 4/. I don't know what 7 sweepers can find to do & it is apparent that they are not overworked for they are used for purposes other than sweeping. If we could make some reduction without sacrificing cleanliness we might find funds for a European Sergeant (a retired non-com) to supervise the say staff of the Sect.. Of course the carrying of parcels &c should be done by office peons or coolies As you are on the spot & as there enquiries now into those you are now undertaking in regard to Sect. water-supply I venture to trouble you – I am afraid the brooms &c used for sweeping & other purposes in the Sect: are of antique pattern & if you could assist me in setting this portion of the subject right also I should be much obliged.

Please utilise my head Clerk at Madras for any information you may require

6/9/97.

Surgeon Lieut. Col. W. G. King) Despd. with Enc one 8/9/97

Typewritten copy attached

972—1-10-96,

No. ....

Office of Sanitary Commissioner,

Madras, 14/10 1897.

CHIEF SECRETARY
16 OCT. 1897
GOVERNMENT OF MADRAS

Dear Mr. Price,

In accordance with your instructions, I have required the "Seven Wells" water to be cut off from the Secretariat. I find that there is at the corner of the building near St. Mary's Church – close to where the Red Hills water is brought in – a room now used by a Mochee. If he were turned out, it would be easy to

Copy of D.O., from Surgeon-Lieutenant-Colonel

W. King, dated 14th October 1897:-

In accordance with your instructions, I have required the " Seven Wells'" water to be cut off from the Secretariat.

X I find that there is at the corner of the building near St. Mary's Church-close to where the Red Hills water is brought in- a room now used by a Mochee. If he were turned out it would be easy to convert this into a suitable filter room. The portable ~~room~~ form of the Pasteur filter worked by hand pump pressure could then be employed, and the whole matter be cheaply effected. I have now the required data, and if you sanction this room being used as suggested, I can send you an estimate.

23-10-97.

Received 19.11.97

HC

Find out where this room is please & to whom it belongs &c & I will go and see it. Sorry please this has been delayed somehow

27.11.97

[illegible]

[illegible] 27/11/97

900—1-7-97.

No..................

Office of Sanitary Commissioner,

Madras, 20th Nov 1897.

CHIEF SECRET
22. NOV. 18
GOVERNMENT OF M

Dear Mr Arundel

I forward herewith correspondence with the Executive Engineer Military works. You will see that he claims that the water used for the garden — such as it is — round the Secretariat Buildings must be paid for. The courses open seem to be to make arrangements with

NO. 2048/S dated 9. 10. 97.

TO,

The Executive Engineer,
Military works,
Fort Saint George,

SECRE
NOV 189
MENT OF MA

Sir,

Under instructions from the Chief Secretary to Government, I have the honour to request that you will be good enough to cause the Seven Wells water supply to be cut off -- from the Secretariat buildings.

I have etc,
(Sd). W.G.King,
Surgeon Lieut Colonel
Sanitary Commissioner for Madras.

2048
S

M. W. No. 25.

No. 4448

EXECUTIVE ENGINEER'S OFFICE,
MADRAS DIVISION,
MILITARY WORKS.

FROM
THE EXECUTIVE ENGINEER,
MADRAS DIVISION,
MILITARY WORKS,

To
THE SANITARY COMMISSIONER FOR
MADRAS.

Military Works Department.

Dated 6th. November 189 .

Sir,

I am informed that the Secretariat Establishments are using the Red Hills Water for watering trees, now that the Seven Wells' Water has been cut off, as per your No: S/2048 of 9th ultimo.

2. The Red Hills Water supply in the Fort is entirely a Military charge and is intended solely for cooking and drinking purposes, and the supply for all other services should be drawn from the Seven Wells' Water Works, which if trees require watering should be re-introduced.

I have the honor to be,
Sir,
Your most obedient servant,
R.E. Picton-Jones
Capt. R. E.
Ex: Engr: Madras Divn:

for Ex. Engr. Mad. D.

To
The Executive Engineer
Madras.
Mily. Dept.

Sir

Before commencing your letter to the Chief Secy to the Madras Govt, I have the honour to request information on the rate per 1000 gallons paid by the Military Department to the Municipality of Madras. I
~~until [illegible] that the Secretariat [illegible] pending [illegible] Rules [illegible] to be [illegible] out to the Establishments of Govt. [illegible]~~

W.G. KING
16 NOV 97

M. W. No. 24 3951.5

Government of Madras
NOV 97

MILITARY WORKS BRANCH.
P. W. ________ 189 . ________ DEPT.

From
The Executive Engineer,
Madras Division,
Military Works,

To
The Sanitary Commissioner
for Madras.

Dated 18-11-97
Received ________
No 4591

Sir,

In reply to your letter No: 23438 of 16th instant, I have the honour to inform you that Annas 6 is the rate per 1,000 gallons paid by the Military Department to the Municipality of Madras.

I have the honor to be
Sir,
Your most obedt. servt.

C. V. Venugopal [illegible] Manager
for Ex. Engr. M. Dn.

Seen

SECRETARIAT DRINKING WATER SUPPLY

NOTE FOR THE CHIEF SECRETARY,

The file of papers flagged U contains the previous notes and D.O's to Dr. King on th~~e~~is subject. Mr. Price placed in Dr: King's hands the ~~matter~~ question of improving the arrangements for obtaining drinking water and for its supply in the Secretariat, which on an enquiry started by myself this year proved to be very defective. I have arranged for the temporary introduction of chatti pot filters and for the water being boiled pending the introduction of Dr: King's scheme. Meanwhile before Dr. King can proceed further, he requires a filter room and it will be seen from his D.O. of the 14th Octr. last has selected a room used by the Muchi of the Revenue dept. I have seen this room and think it very unlikely that the Revenue dept. will willingly give it up as it will certainly put them into some inconvenience to find room for their Muchi elsewhere. It may be possible, now that they have got rid of the bulk of their library, to move this man somewhere upstairs and perhaps the Rev. Secy. might be consulted on the point. The Chief Secy. is aware that one press~~sent~~ing need of our own office is a store room ~~but~~ and on looking into the matter again and going over the building with the Supt. of the General Records, I think I can devise a plan by which we can ~~have~~

a

Show me the proposed arrangement.
14.12.97

Shown and approved by C.S. 6.1.98

~~a store room~~. find the accommodation.

This is possible by moving the Maty upstairs to the large office room and giving him a screened ~~room~~ portion at the west end, allotting his room to the European and Eurasian clerks for a tiffin room and taking their room, which is conveniently situated, for a store room. Separate proposals will be submitted as regards this; but ~~this~~ these will not get over the difficulty as regards the Revenue Dept: Muchi's room which Dr: King requires before he can give us an estimate.

The D.O. d/ 20th Novr. 1897 from Dr: King relates to the water required for the garden - such as it is - round the Sectt. The Executive Engineer, Military Works, Madras Division, objects to the use of the Red Hills water for watering trees and Dr: King suggests that either arrangements should be made with the Municipality direct for the small quantity of water required for ~~them~~ plants or that we should connect again with the Seven Wells taking care to break down the existing cistern in front of the office and to have the tap guarded by a key in charge of the Sergeant. Dr: King previously condemned the Seven Wells water for drinking purposes and unless ~~they~~ the tap is carefully guarded there is no doubt that it will be used ~~as such~~ for drinking water.

The Head Clerk computes that we would require about 700 gallons of water per diem, Sundays excluded, for watering the plants about the Sectt. office. This supply at the rate of

six

six annas per thousand gallons would come to about Rs.80 per annum.

Orders are solicited as to whether the Municipality may be asked to supply us with this quantity. This would probably be the safest course as the supply would apparently be limited.

Yes
14.12.97

Cm S.
13/12/97

Fair O.N & O[illegible]
Keep file intact

W4
10-1-98

10/1/98

Public Department.

O.N. No. 65 D/10-1-98

In Connection with his proposal for improving the Supply of drinking water in the Secretariat, the Sanitary Comr. requires the room used by the Muchi of the Rev: Depmt. for a filter room. Will the Rev: Depmt. please say if it has any objection to placing this room at the disposal of the Sanitary Comr.

9.1.98

Cmd

Copied 12/1/98

Desp'd 12/1/98

To

The Rev: Depmt.

O.M. No. 66 D/10-1-98.

The President, Municipal Comn., Madras is requested to be so good as to arrange for the supply of 700 gallons of Red Hills Water per diem (Excluding Sundays) for watering the plants about the Sectt. Offices in ~~the~~ Fort St George. It is understood that the charge will be at the rate of 6 annas per 1000 gallons.

Cm
mtd
9/1/98

To
the President, Municipal Commr. }
Madras }

Ops 10/1 }
DO 11/1 } 98.

Despd
14/1/98

O/18 4,000—7-7-97.

Revenue (1898) Department.

CURRENT No. 349

Order

Office Note
From

The Public Depts.

No. 65.

Dated 10 Jany.
Received 15 "
Registered 17 "
Enclosures
Spare copies.

SUBJECT.

Requesting the Govt., Rev: Depmt. to say if it has any objection to place the room used by the Muchi of the R.D. at the disposal of the Sanitary Commissioner for filter room.

HC
17.1.98

BACK PAPERS.

G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.

[G / 7]
500—10-11-97.

PUBLIC DEPARTMENT.

OFFICE NOTE No. 65

Dated 10th January 1898.

From

The CHIEF SECRETARY,

To

The SECRETARY, ~~Revenue~~ DEPARTMENT.

In connection with his proposal for improving the supply of drinking water in the Secretariat, the Sanitary Commissioner requires the room used by the Muchi of the Revenue Department for a filter room. Will the Revenue Department please say if it has any objection to placing this room at the disposal of the Sanitary Commissioner.

A T Arundel
Chief Secretary.

G
14/1/98

Pub.
29
503-11-6-97.

Public (1898) Department.

CURRENT No. 398

AC

From officiate the Rev. Dept.

Order

No. 15

Dated 27th }
Received 28th } Jan 1898
Registered 31st }
Enclosures one
Spare copies

SUBJECT.

Stating that the room used by the Munshi of the Rev Dept cannot be placed at the disposal of the Sanitary Commn as it contains the Stationery articles &c.

Recd 31/1/98

to Pub Dt ...

...edient Servant

SK 27/1/98

BACK PAPERS.

G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.

REVENUE DEPARTMENT.

[G/73]
250-14-10-97.
8

CURRENT No. 398

OFFICE NOTE No. 15

Dated 27th January 1898.

From

THE SECRETARY TO GOVERNMENT, REVENUE DEPARTMENT,

To

THE Chief Secretary, Public Dept

H.C. 28/1/98

With reference to office note No. 65 of 10th January 1898, the undersigned regrets to state that, as the room used by the munshis of this Dept. contains the stationery articles, peons' clothing, Gazette files, newspaper files &c, besides some articles of furniture, it cannot be placed at the disposal of the Sanitary Commissioner, unless some other room is given to which these articles can be removed.

CR.
26 Jan 98.

Mh
26.1.98

Sec. I have seen the place. It is needed. The other rooms assigned to the Rev Dept are already overcrowded.

McN.
26/1/98.

Mh
27.1.98

K 27/1/98

To Pub Dept &c.

Public C No. 398
& D/O from Dr. King
d/31. 1. 98.

Return file to H.C.

W.K
10/2/98.

K

CHIEF
SECRETARIAT,
D. O.
No. 105
Dated 21. 2. 1898.

Recopied. 21/2/98
xd - 21/2/98

Memo No. 66 d/10.1.98. F

Is anything like 700 galls. per day required?

Ath 7.2.98

Surgeon Lieut. Col. W. G. King.)

Desp'd 21/2/98

Fair 18/2/98

D/O 21 - 2 - 98

Dear Dr. King

Drinking water arrangements

Your D/O of the 14 Oct. last

The Revenue Dept. is unable to give up the munshi's room which was selected by you for a ~~the~~ filter room. Will you kindly see if any other spot will suit.

As regards your D/O of the 31 Ultimo regarding the objection of the Mily Works authorities to the use of Red Hills water for the trees, the Municipality was asked on the 10 of last month to arrange for the supply of 700 gallons of Red Hills water per diem for watering the trees. ~~A reminder will be sent~~

Cmd
10/2/98

Ath 7.2.98

Most Obedient Servant