

(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.	915	Press
77-78		Mis.
Dated	6-11	18

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
6th April 1872.*

No. 77. Read the following Endorsement of the Acting Secretary to Government, Public Department, dated 19th March 1872 :—

From the Sanitary Commissioner for Madras, to the Secretary to Government, Public Department, dated Madras, 11th March 1872, No. 379.

I HAVE the honour to acknowledge receipt of Endorsement No. 319 of 9th March 1872, Public Department, on Proceedings of Government No. 558, dated 1st March 1872, Public Works Department, containing a report from Assistant Surgeon Nicholson on the water-supply of Bangalore, and comments thereon by the Inspector-General, Indian Medical Department.

2. With reference to the question of water-supply to the Military, I have

Vide G. O., No. 1,333 of 15th May 1871,
Public Works Department.

G. O., Military Department, No. 396, dated 1st
February 1872.

G. O., Public Works Department, No. 528, dated
26th February 1872.

already laid my views before Government. The Dhobies' Well source I regard as the purest and safest water obtainable, and I trust that nothing will be permitted to interfere with the completion of the works for the distribution of this water to the Military, supplemented, if need be, by the filtered water from the Ulsoor lake, according to the scheme approved of by Government in Proceedings No. 528 of 26th February 1872, Public Works Department.

3. The details of Colonel Sankey's plan for supplying the Municipality with water, evidently require careful consideration. The scheme will have to be worked out carefully in detail with reference to Mr. Nicholson's objections, and it seems probable that many years may elapse before it assumes even a practicable shape; and, meanwhile, the completion of the Ulsoor Water-supply Scheme is an urgent need in the sanitary requirements of the station.

4. Even supposing that a sufficient supply of water could be stored on the higher level for the wants of the whole population, Military and Civil, I cannot assent to the view recorded by the Inspector-General, Indian Medical Department, that "the salubrity of the town of Bangalore would be greatly improved by breaking down the Ulsoor tank bund, and allowing all the valley water at once to be drained off." The Ulsoor tank is an ornament to the station, and probably by its large evaporating surface modifies the local climate to some extent at the hottest season of the year. Under proper conservancy of the neighbourhood the tank would always remain a valuable reservoir of water, and as the Dhobies' Wells derive their supply wholly, I believe, from this tank, there can be no doubt that it would be a fatal mistake to break down the bund so as to destroy the reservoir, and thus ruin the best source of water supply yet discovered at Bangalore.

5. I cordially agree with Mr. Nicholson in his estimate of the works required for the preservation of the Ulsoor water-supply, such as the introduction of water plants, the annual dredging of shallow margins of the tank, and the conservancy of the feeding channels. As regards the effect of aquatic plants in clearing water, I have seen several very remarkable instances lately where tanks fed from the Kistna river in flood, the water being loaded with silt, have yielded water so clear and bright as to need scarcely any filtration.

Proceedings of the Madras Government, Public Works Department.
6th April 1872.

6. It must be noted that the introduction of water plants into the Ulsoor lake will very materially simplify the filtration and diminish expenditure in the working of the artificial filters.

7. The Superintendent of the Ulsoor Water Works, Mr. Smith, is so obviously fitted for the charge of the conservancy of the tank and its main feeders, that I trust Government may be pleased to invest him with the control of whatever establishment may be sanctioned with this object.

TRANSFERRED to the Public Works Department.

(Signed) D. F. CARMICHAEL,
Acting Secretary to Government.

No. 78.

ORDER THEREON, 6th April 1872, No. 915.

MILITARY WORKS, No. 1.

ORDERED to be recorded.

(True Extract.)

Colonel, R.E.,

Secretary to Government.

To the Sanitary Commissioner.
.. Superintending Engineer, 5th Division.
.. Military Department.
.. Public do.

Exd. T. O'Connor.

No. 379.

OFFICE OF SANITARY COMMISSIONER,
Madras, 11th March 1872.

From

To

The Sanitary Commissioner for Madras,
The Secretary to Government,
Public Department,
Fort St. George

SIR,

I have the honor to acknowledge receipt of
Indorsement No. 319 of 9th March 1872, Public Depart-
ment, on Proceedings of Government. No. 558 dated
1st March 1872, Public Works Department, containing
a report from Assistant Surgeon Nicholson on the
water supply of Bangalore, and comments thereon
by the Inspector General, Indian Medical Depart-
ment.

2. With reference to the question of water supply

Vide G.O. to the Military, I have already laid my views before
No. 1335 of 15th May 1871, P.W.D. Government. The Dhobies' well source I regard as
G.O. No. 111: Sept. the purest and safest water obtainable, and I
No. 376 of 11th February 1872- trust that nothing will be permitted to interfere
G.O. P.W.D. No. 528 of 26th February 1872 with the completion of the works for the distribution
of this water to the Military, supplemented, if need
be, by the filtered water from the Ulsoor lake,
according to the scheme approved of by Govern-
ment in Proceedings No. 528 of 26th February
1872, Public Works Department.

3.

The details of Colonel Langley's plan for supplying the Municipality with water, evidently require careful consideration. The scheme will have to be worked out carefully in detail with reference to Mr. Nicholson's objections, and it seems probable that many years may elapse before it is even a practicable scheme. And, meanwhile, the completion of the Ulsoor water supply scheme is an urgent need in the sanitary requirements of the Station.

4.

Even supposing that a sufficient supply of water could be stored on the higher level for the wants of the whole population, Military and Civil, I cannot assent to the recommendation by the Inspector General, Indian Medical Department, that the salubrity of the town of Bangalore would be greatly improved by breaking down the Ulsoor tank bund, and allowing all the valley water at once to be drained off.

The Ulsoor tank is an ornament to the Station, and probably, by its large evaporating surface, modifies the local climate to some extent at the hottest season of the year. Under proper conservancy of the neighbourhood, the tank would always remain a valuable reservoir of water, and as the Dhobies' wells derive their supply wholly, I believe, from this tank, there can be no doubt that it would be a fatal

to break down the bund, so as to destroy the reservoir and thus ruin the best source of water supply yet discovered at Bangalore.

5.

I cordially agree with Mr. Nicholson in his estimate of the works required for the preservation of the Ulsoor water supply, such as the introduction of water plants, the annual dredging of shallow margins of the tank, and the conservancy of the feeding channels. As regards the effect of Aquatic plants in clearing water, I have seen several very remarkable instances lately, where tanks fed from the Krishna river in flood, the water being loaded with silt, have yielded water so clear and bright, as to need scarcely any filtration.

6.

It must be noted that the introduction of water plants into the Ulsoor lake will very materially simplify the filtration and diminish expenditure in the working of the artificial filters.

7.

The Superintendent of the Ulsoor water works, Mr. Smith, is so obviously fitted for the charge of the conservancy of the tank and its main feeders, that I trust Government may be pleased to invest him with the control of whatever establishment may be sanctioned with

9.10.10.

Sir,

Wm. Smith F.R.C.S

Sanitary Commission
for Madras

To Samy Lowndes
 3 Ave 37th St
 New York City
 11-5-6
 W. J. G. 8/4/72

supply of 200 angulots.
By order of the Vice
Governor.

Remarks on the measures
suggested for the water

Paid 11th }
 Recd 15th } March 1872
 Recd 20th }
 To 379
 No 463.

20
The Secretary to Government
Public Department
First 44/2/1901

Mr. J. C. Wright
Julesburg 1872
Dear Sir
No. 1397.
The Standard Commission
for books

Aug 28 Monday 72 Hot 819
 " 29 Tuesday 72 " 818
 Sept 1st Wednesday 72 " 816
 " 15 Sunday 71 " 833

Transferred to the Public Works
Department.

Fort St. George
19 March 1872 }

19 March 1872 }
to The Public Works Department. dated 17/3/72

397
Dept. of Interior
PUBLIC WORKS.

Mr. Secretary General
- Denver

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Nov 77 8478

Letter to the

Secretary of the Interior

for the purpose of

obtaining information