

Local & Munl. (1895) Department.

MISCELLANEOUS.

G.O., No. 1572 m

DATED 30th September 1895.

[Despatch Abstract.]

Water-supply.

BACK PAPERS.

FURTHER PAPERS.

KEEP-WITH.

No. _____, dated _____

189

GOVT.
OF MADRAS. }

189.5

P. W.
{ DEPT

CHIEF ENGINEER FOR IRRIGATION.

Madras, 1st October 1895.

OFFICE NOTE No. 243

Circulation Register.

To	From	Despatch Date.	Receipt Date.
The Head Clerk. Local and Municipal Department J. L. Ch. George	Manager Office of the Chief Engineer for Foreign		

No. 130

From,

Municipal Office
Periyakulam
23rd July 1896
CURRENT No. 2398/M
Mr R. Ry. M. Iralappa Pillai, Muzga,
Chairman, Municipal Council,
Periyakulam

To,

The Chief Secretary to Government
of Madras

Local and Municipal Department.

Sir,

I have the honor to invite
the attention of Government to paras
3 and 4 of G. O., dated 3rd December
1894 No. 1852 M and request that
early orders may be passed for
executing the Berigam Project and
preparing a scheme for the water
supply of this town.

I have the honor to be,

Sir,

Your most obedient servant,

Y. S. S. S. S.
Chairman

✓ Despd of by
S. S. S. S. S.
17-12-94

Ministerial Office
Peripatetic
23 July 1888

No 30
From

Mr. J. M. Schuyler, M. C.
Washington, D. C.
Peripatetic
The Chief Secretary to Government
of Washington
Local and Municipal Department

Sir,
I have the honor to receive
the attention of Government to have
a copy of A. C. dated 23 December
1894 No 1882 in and request that
copy be made and be passed for
executing the American project and
preparing a scheme for the water
supply of the town.
I have the honor to be,
Sir,
Your most obedient servant
Charles

Transferred to the Public Works
(Sanitation) Department with
reference to him & dated
23 December 1894 No 1882.

W. A. Schuyler

Peripatetic
23 July 1888
No 30
From
The Public Works (Sanitation)
Department of Washington
D. C.
Peripatetic
The Chief Secretary to Government
of Washington
Local and Municipal Department
I have the honor to receive
the attention of Government to have
a copy of A. C. dated 23 December
1894 No 1882 in and request that
copy be made and be passed for
executing the American project and
preparing a scheme for the water
supply of the town.
I have the honor to be,
Sir,
Your most obedient servant
Charles

Local & Municipal De-

CURRENT No. 2343M
The Chairman

Municipal Council
Periyakulam

To The Chief Secretary
to Govt of
Madras
Local & Ml Dept

No 130.

Dated 23^d
Sept 20 / July 1895
and 26.11.95

Enclosure 2nd

13/11/95
For Sdmt Searge
12/11/95

V
M. J. 12.11.95

Inviting the attention
of Govt to Bureau 246
of 80 dated 3.12.94
no 1852 M and Requesting
early orders for the
Berijam Project & further
a scheme for water
supply of the town.
(with Encl)

To

The Public Works (Irrigation)
Branch of 28/8/95 Department.

26/11. 2/12/95

1852 L 2-12-94

CURRENT No. 5982

List No 25
7-5-95

Recd: 2.8.95

No 1087

Transferred to the Public Works
(Irrigation) Department, with
reference to para. 4- appo. dated
3rd December 1894, no 1852 M.

W. Ramesh

Ag under Secretary

No. 461md,

OFFICE OF THE SUPERINTENDING ENGINEER,

6TH CIRCLE.

Trichinopoly, 20th August 1895.

From

W. Hughes Esquire
The Superintending Engineer,

6TH CIRCLE.

To

The Chief Engineer for
Irrigation.

SIR,

ENCLOSURES.

Yours no 32 M & dated 16th August 1895

As the Berijam Project was referred to
me for reconsideration I thought it better
to have a survey of the Catchment made and
some alternative lines for the bunds examined
particularly with a view to getting a better site
for the discharge of surplus. The survey has
been made but not plotted and some
additional levels taken but the Executive Engineer
must visit the place again before the plans
can be completed.

2. In April last I wrote to the Chairman
of the Periyakulam Municipal Council to enquire
if any measurements of the flow in the Varahanadi
had ever been made after long drought and if
there was any reason to think that the discharge
ever fell below what was required for the town
supply, viz, one cubic foot per second. I pointed
out with reference to the proposal to store water
in Periyakulam tank that, besides the objection
on

on Sanitary grounds, there is the objection that an immense proportion of the water would be lost by evaporation in other ways, and that if it should be necessary to store water for the town supply, the Berizani Lake was the proper place to store it, but to apply the Lake to this purpose would so alter the character of the Project that Sanction to it could not be obtained until the uses to which the Lake is to be put are decided.

3. In reply the Chairman stated that the Varahanadi is a perennial stream and there is constant flow of water in it and there is not the slightest apprehension that the supply will fall short of the requirements of the town. This I say from my own experience and no measurement of the discharge of water was ever taken by the Municipality. I have some doubt whether the Chairman's assurance can be relied upon. A flow of one cubic foot when spread over a broad shallow stream looks a good deal and an inexperienced person might easily be deceived. I tried to set the question at rest by having measurements made towards the end of the hot weather but my orders were received a little too late.

4. The objection to the Sanitary Engineers' Scheme being that it involved pumping I informed the Council in a letter dated 22nd June 95 that the bed level of the Varahanadi Channel at the Dudu Anai - 1 3/8 miles from the head of the channel and about 4 miles in a direct line from the town - is 978 feet above

above sea level while the level of the river bed at the lower end of the town was 898 and the rise to the Cutcherry 8 feet per mile. Assuming the high parts of the town to be 30 feet above the river there would be an available head of 40 to 50 feet and the town could be supplied by gravitation through pipes of very moderate size. I do not guarantee the absolute correctness of these levels as those of the channel are taken from the levels of the Varahanadi basin and those of the river from the Dainik series but it is probable that the two series have been connected and checked fairly well. I think the Scheme well worth investigation. The Dudu Anai is just above the point where irrigation begins. Whether the channel carries sufficient water in the dry season I cannot say. If the rough stone Anicut at the head of the channel requires improvement this should be paid for by the Municipality as the work is now good enough for irrigation purposes. Should the water supply prove insufficient the only way to improve it would be to make the proposed lake at Berizani.

I have the honor to be
Sir
Your most obedt Servt

W. Hughes.
Superintendent
M. Circle

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N.B. —
A = Copy in full.
B = Not to be copied.
P = Copy abstract only.
Q = Copy heading only.