

(1) Number of pages _____

(2) Date of repair _____

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE

Government of Madras

P. B. W. K.

DEPARTMENT

G.O. No.
B.P. No.

2790

(2)

Press
Mis.

Dated

27.7

1875

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
29th September 1875.*

No. 610. Read the following letter from Lieutenant D. McNEIL CAMPBELL, R.E., Executive Engineer in charge of Kistna District, to Lieutenant-Colonel J. MULLINS, R.E., Chief Engineer for Irrigation, dated Masulipatam, 16th September 1875, No. 69 :—

With reference to G. O., No. 103, dated 13th August 1875, calling on me for a report as to whether the water-supply to the town of Masulipatam cannot be continued notwithstanding the annual repairs to channels, I have the honor to inform you that this subject has been the source of constant references, the amount of correspondence relating to it in this office is immense, and it has all resulted in what might have been seen from the fact, *viz.*, that a continuous supply of Kistna water cannot be given to the town of Masulipatam except at very great expense. In his letter, No. 150, dated 6th February 1869, the Superintending Engineer, 2nd Division, mentioned one method by which a regular supply of water might be maintained during the dry weather, but he omitted the fact that the water in the river often falls below the level of the head-sluice floor, so that it would be necessary to employ a powerful pumping apparatus at Bezwada to raise the water. In the order on the letter above quoted, No. 671, dated 2nd March 1869, Government decided that they would not undertake to maintain the supply of Kistna water which could only be done at considerable inconvenience and some expense, and there is no doubt that the method proposed by the Superintending Engineer would very seriously impede the repairs to Irrigation Works.

2. In the year 1872, R. Smith, Esq., the Superintending Engineer, proposed the following arrangements to the President of the Municipal Commission, first, a new canal from Bezwada to the side channel near the Kankepadu lock with suitable pumping apparatus at the former place to raise the required volume of water to the head of the proposed conduit; second, the construction of reservoirs in the vicinity of Masulipatam or elsewhere if eligible sites do not exist there.

The first plan is, I think, out of the question, as the proposed conduit would have to cross either the Pullair or the Bunder canal besides other small channels and drainages and would consequently be enormously expensive. The second plan is, of course, feasible, but the cost would be great, as there is no good site for a reservoir, the country for miles round Masulipatam being nearly level.

3. In 1870, Mr. B. Horsburgh, the Acting Collector, proposed that a reservoir be made at Gudur, 4 miles from Masulipatam, and water raised into it from wells by picottas.

4. The objections to this arrangement are the same as those to the second method proposed by Mr. Smith.

5. It is my opinion that there is no way by which water can be supplied throughout the hot season under an expenditure of at least Rupees 25,000, besides a considerable yearly outlay for pumping, and I would request therefore that, before this troublesome subject is discussed further, the Municipality be called upon to state how much they are willing to expend on a project for the purpose. I will then be glad to prepare estimates for any or all of the arrangements that have been proposed.

6. In the Editor's letter, part of which is embodied in the G. O. under reply, two methods are proposed, one, namely, to bring water from the Godavery river need not be considered; the other to dig deep wells with reference to the extent of the

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29th September 1875.

population is, I believe, the only way in which the supply could be rendered continuous in the hot weather at a small expense. Water can be found at no great depth below the surface of the ground, and that it is not unwholesome is, I think, sufficiently proved by the fact that the town has been, I believe, as healthy as any in the Presidency for the last eleven years, and yet the inhabitants have had no other water to drink during the hot weather. At present every effort is made (at considerable inconvenience to irrigation repairs) to store Kistna water in the canals so as to continue the supply as long as possible, and for this purpose the two lower reaches of the Masulipatam canal are bunded up, and by this means it is seldom that the supply is discontinued for more than two months, but there is no doubt that after a time the water in these two reaches gets very foul, and I believe that well water would be much more wholesome though the people have great faith in Kistna water however dirty it may be.

No. 611.

ORDER THEREON, 29th September 1875, No. 2,790.

IRRIGATION, No. 56.

COMMUNICATED to the Public Department, with reference to Proceedings, Madras Government, Public Department, No. 1,114, of 12th August 1875.

(True Extract.)

Major-General, R.E.,
Secretary to Government.

To the Public Department.

" District Engineer, Kistna.

" Chief Engineer for Irrigation.

Superintending Engineer
Office Kistna District
Masulipatam.
No 69.
16th September 1875

From

Lieut. Col. W. H. Campbell R.E.
Executive Engineer in charge
Kistna District

Lieut. Col. J. Mullins R.E.
Chief Engineer for Irrigation

Sir,

With reference to G.O.
No. 103 dated 13th August 1875.
Calling on me for a report as
to whether the water supply
to the town of Masulipatam
cannot be continued notwithstanding
the annual repairs
to channels, I have the honor
to inform you that this
subject has been the source
of constant references the
amount of correspondence
relating to it in this office
is immense and it has all
resulted

resulted in what might
have been seen from the
fact viz: that a continuous
supply of Ruesta water cannot
be given to the town of Masu-
-apatam except at very great
expense. In his letter N^o 150
dated 8th February 1869, the
Superintending Engineer 2^d
Division mentioned one
method by which a regular
supply of water might be main-
tained during the dry weather,
but he omitted the fact
that the water in the
river often falls below the
level of the head sluice floor,
so that it would be necessary
to employ a powerful pumping
apparatus at Berwada to
raise the water. In the
order on the letter above
quoted N^o 671 dated 2^d
March 1869 Gov^t decided
that they would not undertake
to

to maintain the supply of
Ruesta water which could be
only be done at considerable
inconvenience and some expense,
and there is no doubt that
the method proposed by the
Sup^r Eng^r would very seriously
impede the repairs to
Irrigation works.

In the year 1872 R^{te}
Smith Esq^r the Superintending
Engineer proposed the
following arrangements
to the President of the
Municipal Commission
1st A new canal from
Berwada to the side channel
near the Hanhipadu lock
with suitable pumping
apparatus at the former
place to raise the required
volume of water to the head
of the proposed Conduits
2^d The construction of reservoirs
in the vicinity of Manipatam
or elsewhere of eligible sites

do not exist there.

The first plan is I think out of the question as the proposed Conduit would have to cross either the Pullair or the Bender Canal besides other small channels and drains and would consequently be enormously expensive. The second plan is of course feasible but the cost would be great as there is no good site for a reservoir the country for miles round Masulipatam being nearly level.

3. In 1870 Mr. B. Boroburgh the Acting Collector proposed that a reservoir be made at Gudur, four miles from Masulipatam, and water raised into it from wells by pulhottas.

4. The objections to this arrangement are the same as

as those to the ^{1st} second method proposed by Mr. Smith.

5. It is my opinion that there is no way by which water can be supplied throughout the hot season under an expenditure of at least Rs 25000 besides a considerable yearly outlay for pumping, and I would request therefore that before this troublesome subject is discussed further the Municipality be called upon to state how much they are willing to expend on a project for this purpose. I will then be glad to prepare estimates for any or all of the arrangements that have been proposed.

6. In the Editor's letter part of which is embodied in the G.O. under reply, two methods are proposed one viz to bring water from the Godavari ^{river}

river need not be considered,
the other to dig deep wells
with reference to the extent
of the population is, I believe,
the only way in which the
supply could be rendered
continuous in the hot
weather at a small expense.
Water can be found at ~~in~~
great depth below the surface
of the ground and that it
is not unwholesome is, I think,
sufficiently proved by the fact,
that the town has been I
believe as healthy as any
in the Presidency, for the last
11 years and yet the inhabitants
have had no other water
to drink during the hot weather.
At present every effort is
made (at considerable inconve-
nience to irrigation repairs)
to store Krishna water in
the Canals so as to ~~continue~~
the

the supply as long as possible
and for this purpose the
two lower reaches of the
~~the lower reaches of the~~
~~the lower reaches of the~~
means it is seldom that
the supply is discontinued
for more than two months,
but there is no doubt that
after a time the water in
these two reaches gets very
foul and I believe that
well water would be
much more wholesome
though the people have
great faith in Krishna
water however dirty it may
be.

I have the honor to be
Sir,

Your most obedient servant

J. W. Campbell Esq. D. E.

Executive Engineer
Krishna District

29 Oct 62

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6/24/71

NY 610-611

cu. 25.9.75 Dale
A.L. Smith 75.8.46

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A.L. Smith 75.8.46

12.2790 Communicated to the Entom. Soc. with the
-Journal. N.Y. 83. - 1114 of 12 Aug. 1873

O. W. Phelps Esq.
 Nov 11 1873
 Dear Sir: I have charge
 of the Church Property
 and have no objection
 to the Church Register
 for the year 1873
 dated 16 Sept 1873
 Nov 20 - 2

Reports on the
practicability of
constructing the great
water supply to
Alameda from
north of the landing
the annual clearing
of the Canals.

By the order:-

70. The Noddy: Delph.

29.201

100

Dear Mother, I hope you are
in the same place as I am.

Wm. L. H. Brown

My Mother's Address

1. *Leptocarpus*

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