Archives I 10,006—16-8 77.

(1) Number of pages 10

(2) Date of repair 3-87

(3) Initials of the Referencer [illegible]

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

P.W. DEPARTMENT

G.O. No. / B.P. No.	812 W	Press. / Mis.
Dated	27. 3. 1882	—197—.

Not to be folded or roughly handled

Camp

Address Berhampore

Near Sampara.

Halfway between Gopalpore & Ganjam

15th March 1882.

912
T

My dear Colonel Sankey,

I write now before I have finished my inspection of the proposed lines of Canal here because I much want to get a reply from you before I leave the district and there is not over much time to do that. I want you to give me some more indications than is Appendix D give me (and I have received no other instructions) of the intended scope of "A project Division operations here", that Appendix appears to indicate that it the Project Division is to deal only with a "tidal Canal" or some other line than that originally proposed - but how if it is certain that no such Canal is possible?

May the preparation of working plans and estimates (the Existing ones cannot be worked to) and the marking of the line as originally proposed be proceeded with? I am assuming that they may - if not what is the Division to do? The formidable cutting south of the Gopalpore cannot be avoided and no line between this & Gopalpore (and I firmly believe between this and Gangam other than that proposed is possible.

On the land side is high rocky ground for most of the way. On the sea side is a wilderness of high sand dunes and travelling sand - through which lakhs of Expenditure would not Excavate a Canal and all the King's horses and all the King's men could never Keep it open for six months.

The line then is not open to question within very narrow limits of deviation, but of course there remains a possibility of cutting the channel down to such a level as to make it tidal. That such a Canal would cost much more than the high level one even if capitalization of Establishment &c required on the latter (see para 7 of your No 2 - 20/4/88) be taken into account, I have no doubt and the decision will I believe turn entirely on whether there is water available to keep a succinct reach always open and this I fear will not be capable of demonstration from any amount of preliminary investigations. Can only be definitely settled by actual trial - Putting aside the Rushikulia project channels, a succinct reach

could not in the dry season receive
any water from streams and before
I saw for myself the actual conditions
of the case I thought the idea
that leakage & evaporation would
be supplied with springs was flattered
simply by the wish. I now believe
it had a more trustworthy proximity
the tanpans were just at the back
of the wild waste of sand of which
I have above spoken - it is a mile
and more wide and rises many feet
above them and is upto a certain
level and that level much above
sea level - a vast reservoir.

In many places that reservoir is
tapped by digging a channel along
its edge and is now, in March,
giving out streams of sweet water

from which irrigation is being carried
on. These are, I suppose, the "springs"
to which Captain Beckley refers
in his Memorandum with P.W.D.
No. 3216 - 6/10/69 - what his fresh
streams" while there will be "no
"difficulty in turning into the line
of Canal" are. I know not. If he
meant streams which flow in
the dry season - other streams do not
affect the question.

I propose to get de Morgan and
his staff to work on -

(a) putting down permanent B.M's
and other marks from which
at any time the Canal detail
or otherwise could be laid out.

(b) preparing accounts, plans & levels
of the line.

(c) sinking trial shafts or borings

at the cuttings, which cannot be avoided.

(d) Carefully noting the lowest level to which the taniparas sink in the hot weather and ascertaining at what level the sand reservoirs will then yield water.

(e) Registering hide and flood level in the Gangam River & the Gopaulpore backwaters.

(f) Collecting statistics of traffic from the north to Gopaulpore.

(g) preparing estimates for both high level & tidal Canal.

It seems to me highly probable that it may prove advisable

to construct the Canal as a high level one (possibly not so high as originally proposed) throwing all spoil & banks so that if necessary it might afterwards be deepened to a tidal one. This would be absurd in many cases - not so in this - where the line for one style of Canal is that also for the other.

Yrs. sincerely

(Sd) J. G. S. Wales.

1-3-75 Ln 530
15-10 — 1948
26-3-78 2708
16-8 — 3283.0
19-8 — 3314 W
11-2-79 419 W
30-6 — 1732 W
23-7 — 1743-44 W
17-9 — 2365 W
13-10 — 2580 C W
31-10 — 2738 W
3-11 — 2753-53 W
9-7-81 1677 W

Bch No 812 Way 27th March 1882 812/5

Telegram

To G. D Walch. Esq:

To Buckingham-pre-

Dated 25th March 82

If satisfied high
level channel best
prepare plans & Estes
but canal dunes
formed no obstacle
on Buckingham Canal.
All your other proposals
approved.

/sd RPS.
Secy.

Draft 25-3-82

B N° 812 Wd 25 Ft Mundspr