

(1) Number of pages 16
(2) Date of repair 27-6-63
(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. 1275	Press
487-88	~~Mis.~~
Dated 27-6-1868	

Not to be folded or roughly handled

N^o 219. 101

Without changing the quantity of land there
will be substituted by changing the
to make the Channel narrower
and in opening a higher level
than from the ~~lower~~ level.
Narrow

Submitted to Government
for information in continuation
of Superintending Engineer's re-
commendation of 82 dated 3rd April
1868. —

Approved Colonel M.
Supg. Engr's Office
Lt. Gen.
Read 16th April
1868.

Supg. Engineer Lt. Gen.

April 9th 1868

From

The Asst Engineer
In charge of the Chambrambank

To

The Asst Engineer

at the Depot

Sir

I have the honor to submit
herewith a contour plan of the
land between Junk road and
and the Kodathur river, showing
the quantity of land that will
be submerged, when the water in
the Chambrambank tank reaches
the level of the crest of the pro-
posed Culvert. And also
a section of the ground, where a
bridge would be necessary, on the
east side of the supply channel,
between the points marked A and B in
the contour plan.

The space within the
contour line measures 2130 acres,
of which about one sixth is water

leaving 1770 acres to be paid for,
which being ^{run} as irrigated by
the "Ranunc Irrig", is perhaps
as valuable land as any in
this district; I am credibly
informed that much of it is now
mortgaged at Rs 400 per acre
and, that I understand it at
Rs 200 per acre. There are also
three large villages that would
be flooded, ^{as well as} the bridge over the
supply channel and, nearly a
mile of Irrig Road No. 1

The ground to the eastward
of the supply channel between the
points A + B, being on the average
5 1/2 feet and, at the lowest point
12.44 feet lower than the level of
the proposed culvert, as I think
10,000 feet long, would be necessary
to prevent the water seeping either
back into the Kurn, or the Adige
River. The cost of compensation to
the owners of this land, & the houses
and trees, of which there are great
numbers upon it, the construction of
the Bund & alterations to the

Irrig Road No. 1, would not be
in the aggregate less than five Lacs
of Rupees.

3 I regret that I have not
been able to submit the contour
plan in a more complete state, viz
with the other two contour lines
required by Colonel Anderson shown
upon it. The surveyor employed in
contouring this ground, who is a
draughtsman attached to the
Special Executive Engineer's office
Mount Range, being required by
the Asst Engineer in charge of that
Range I had to dispense with his
services and, not having another man
to whom the work could be entrusted
I judged that it would be wrong to
delay this report until the survey
could be completed when the
information already obtained, makes
it clear that, either the present
supply channels must be given up,
or the project itself abandoned, as
lowering the Culvert level three
or four feet would still leave 20
or more feet submerged and, as a
very considerable length of bund
on the eastern side of the channel
would be still required, while the

Value of the Tank would be very much improved.

4 I would beg to suggest that there is fortunately a simple and, comparatively inexpensive way of obviating this difficulty by giving up the present supply channel, and building it a crop below the bridge, where the ridge that which it is cut, is high and the channel narrow only requiring a bank of some 200 or 300 feet in length. And in its stead, take the supply from the Chumbram tank in the Ramam Tank, removing if it be found necessary the materials of the Norathum tank to where the supply channel of the Ramam tank is taken off, widen and deepen the latter and, if necessary, construct an outlet and head shield. But I am of opinion that the two latter works may be dispensed with, but this is not a very material point and may be decided hereafter. I would then make the surplus channel of the Ramam Tank, the feeder for the Chumbram tank, raising and strengthening the bank of the former Tank, and also its Calingula, if not already high

enough, which I would say it is. Judging from its position with reference to where the contour line is shown to touch below the bank at nearly its lowest point, as the crest of the Calingula must be some 10 feet above this, consequently that much above the crest of the Calingula of the Ramam Tank. And as the length of the channel connecting the two Tanks would only be required to be three miles (rather under than over), and 2 ft. per mile sufficient fall, there would be 4 ft. over, I would propose to carry the channel into the tank at a level three feet above the crest of its Calingula, & once within the bank, to be thrown across the present channel below the head, it might be dropped into the old channel by steps.

5 A drain would be necessary for the lands on both sides of the present channel, if the latter be closed, to carry off the surface water. This can be cut at a comparatively small cost, as the average cutting will not reach 5 in. the line to be taken is one between the village

of Poyamballos and the Tank
Road ~~is~~, running in a southeasterly
direction for a distance of about
two miles, would supply itself into
one of the irrigation channels
under the Chintamani Tank

6 I am of opinion that
the whole cost of this arrange-
ment need not exceed Rs 120,000
divided as follows

Outlet and head sluice with the help of the old masonry from Kriashna dam	Rs 30,000
Channel & bridge over it where the Tank road crosses it - -	60,000
Drain from ^{old} supply channel to below Chintamani Tank	20,000
Indirect contingencies	10,000
Total	<u><u>Rs 120,000</u></u>

1 If the outlet and head sluice
can be dispensed ^{with}, the cost will be
under Rs 100,000.

I have the honor to be
Sir

Your most obedient servant

P. S. Shetty
Asst. Commr.

P. H. Webb
From Mr. Webb's report for April
No. 1403
The Superintending Engineer
Lt. Wm. D.

To, *The Secretary*
to Government P. M. D.
Fort St. George

Dated 16th April 1868.
Rec^d 18th April 1868.

Lu:3. № 219.

18.3.8 Submitting a report
showing the quantity of
Land that will be
submerged by raising
the Calingulah of the
Chembumbaukum
Tank, and proposing
a high level Channel
from the Nannum
Tank. —

No 1275-27: April 1868)

10. 487

22nd June/68 07:27 PM

PROCEEDINGS of the MADRAS GOVERNMENT.
Under date the 27th April,

Under date the 27 April 1968
Read the following

From the Sup^r Engineer
H. H. Davis.

(Here enter No. 27 dated 16 April 1883)

The Government
regret to learn that so
great an extent of valu-
able land, as well as
several villages, will be
submerged, and will be
rather on protective works.

the Tank in that
section and the supply
be taken from the
Coorn at a point con-
siderably higher than
Coratoo and be car-
ried through the Annam
Tank, the project may
still in the opinion
of the Assistant Engineer
in charge be advan-
taged. I proceeded with
to enable the Govern-
ment to arrive at a de-
finite decision upon
this point as well as
the advantages

the head of the river
supply channel with-
out disturbing the
present amount at Cor-
toor, and will submit
them with a revised es-
timate for the Chen-
nambakkam Tank
enlargement, prepared on
properly established data.

The reply to this
reference should be sub-
mitted through the
Chief Engineer for In-
dian in a complete
form and as early as

11
P. W. 1868. Department.

Pro of Govt. for April
No. 1275

PROCEEDINGS OF GOVERNMENT. *of India*

Dated 27th April 1868

Further Pro of Govt. 1868/9-3-71

*Waiting instructions for the
submission of complete detailed
... for carrying*