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MADRAS RECORD OFFICE

GOVERNMENT OF MADRAS

Revenue DEPARTMENT

G.O. No.	40	Press
B.P. No.		Mis.
Dated	10. 4. 1674	~~196~~

Not to be folded or roughly handled

Re

No. 503. From Lieutenant
Godavery, to Lieutenan
Irrigation, dated Dowlaish

ADVERTING to G. O. of the 5th De

2 Survey Plans.
1 Longitudinal Section
1 Plan of Sluices.
1 Estimate.
2 Specifications of Sluices.
2 Estimates of Sluices.
1 Report of Range Officer.

coming to this district I kept them
making known any further informa
now been furnished by the Range (
on your return to Madras.

2. The estimate does not prov
I do not think it is necessary to do
after the more pressing wants of th
in paragraph 8 of my letter of the 1
completion project for the Central Delt
canal through this island and into the ri
The project referred to contemplates es
ports of Cocanada, Coringa, Yanam, B
together, passing through the import
and so providing the greatest breadth
water communication to all ports an
at present, this work can be carrie
Polaram Island and the Central Del
land, thus totally avoiding the dange
or any of its large branches; besides t
some earthwork if the proposal is ap
sluices required for the island can be
the absolute necessity for putting in h
Central Delta without further loss of time
to the State by affording the people the me
of their produce to the greatest advantage
Polaram Island secures so many advantages for disposing of agricultural produce,
at the most remunerative prices, to all parts of the country by means of all existing
navigable canals, at the same time that it connects all the sea-ports together and
affords outlets to foreign markets, there is every prospect of a very great increase
of prosperity to the people and of returns to the State in a very short time if no
obstructions are thrown in the way, or needless delays created.

3. The Court of Wards in paragraph 2 of their Proceedings, printed with
the Government Order under reply, state "the ruin of the estate is clearly traceable
to the neglect of the river embankments and the consequent impoverishment of the

papers :—

FISCHER, R.E., District Engineer,
MULLINS, R.E., Chief Engineer for
16th December 1873, No. 2,798.

1873, No. 24, I have the honour to for-
rd the survey plans, etc., and an esti-
te, amounting to Rupees 62,000, for
structing an embankment, with some
essary sluices in it, round the Polaram
d; these papers have been ready for
time, but as soon as I heard of your
hat you might have an opportunity of
might require in this matter; this has
d the papers are sent on to reach you

dal sluices for drainage purposes, and
present, as these can be built at leisure
have been attended to; besides I have
ust 1873, No. 1,528, in submitting the
ought forward a proposal for cutting a
o as to connect with the Yanam River.
hing a navigation canal to connect the
moorlunka, Nursapore, and Mogultoor
rket and cusbah station of Amlapore,
tivation in the delta with means of
est markets. As far as I can judge
constructing an aqueduct between
ilding three new locks on the main
lient of locking into the main river,
it will, of course, be necessary to do
by Government, and then the tidal
ed. I have only further to urge
once the completion project for the
ecure the earliest returns of revenue
f cultivating the land and disposing
navigation line of canal through the

ryots;" but as the embankment in q
proper sense, it is not easy to see how
its neglect, nor is it at all evident tha
much improved by the construction
as originally proposed. I beg respe
known rules and fundamental economi
enhancing its capabilities, not one of
if properly and systematically attende
condition of the ryots; for these are t
tion in some of the wealthiest countri
suggestions of the old native Revenu

4. The project now submitted
above the level of the highest known
several useless cuts, and for providin
admit the river waters. It will be se
sections of levels on it that the rainfa
one of these I propose to use also fo
other may require a tidal sluice to b

5. The highest flood level o
section, and is, I consider, fairly co
lately required by you, showing the
boundaries when the Revenue Surve
am not aware of any other details w
soon be put in hand.

been constructed in any
..state is clearly traceable t
of the ryots would have
hen bank put up at hap-hazard
omit that there are certain well-
s for the valuation of land and the
n referred to by the Board, which,
be far more likely to improve the
great experience and considera-
orld, and not the simple ideas or
of this country.

raising the embankment 3 feet
ound the island, for shutting up
the sites where most required to
general sketch map and the cross
charged by two existing channels,
ole canal through the island, the
by and by.

ery is shown on the longitudinal
o be relied upon; the sketch map
the island as now existing and its
de, is also sent with this report. I
required, and trust the work may

No. 503A. *Note by the C* *r for Irrigation.*

IN G. O. of the 27th January 18 4, the District Engineer, Godavery,
was directed at once to ascertain wh done for the effectual protection
of the island of Polaram in the de Godavery, and at what cost, and
with his letter of the 16th Decembe 2,798, Lieutenant-Colonel Fischer
transmitted an estimate of Rupees 6 ntaining the following items:—

	Rs.	A.	P.
Earthworks	52,225	11	3
Ten Irrigation Sluices	6,130	0	0
Contingencies on earthworks	2,644	4	9
Revetments to slopes of banks, aprons to sluices, etc. ...	1,000	0	0
Total ..	62,000	0	0

2. The District Engineer reports that the group of islands, known generally as Polaram, is about 80 square miles in area, and that the estimate provides for embanking the principal island, which has an area of 38 square miles.

3. It will be seen from the su
ments now existing are practically
flood level, and they are onl
embankment is to be everywhere 3

4. With regard to the sluices,
of irrigation under the several chan
the time within which it must b
suitability of the arrangements. I

Report, paragraph 5.

mining the irrigation wants of the i
be sloped to correspond with the e
7 feet will probably more than suffic
shutters apparently are to run in gro
both sizes of sluice, or the shutters

5. The District Engineer has
erosive action of the river freshes.
January 1873, G. O., 27th January
requiring to be attended to. It a
marked on the survey is sufficiently fa
is concave or centering.

6. It is mentioned that no draina

Letter, paragraph 2.

level all round the island, and as ev
part of the land, self-acting outfall slu
however be difficult to ascertain the wa
embankments, which will greatly mod
structed; it will however only be pru
will by no means do all that will be rec

7. From the papers printed in P
of the 22nd October 1873, it will b
unoccupied, and waste is 30,774 acres
area of the principal island be correc
elsewhere, as 38 square miles are equ
acres the—

Government lands are	...Acres	8,485
Proprietary lands	,,	11,298
Inam lands	,,	10,991

Regarding the history of former em ments, such as they were, nothing
definite is known. All that is tolerably hat for some 30 years or thereabouts
no work of this kind has been carried ndeed the character of the few exist-
ing portions of embankments indi y were probably thrown up by the
villagers themselves.

itudinal section that the embank-
ith few exceptions, their tops are
nounds of earth. The proposed
ood level.

ice of information as to the areas
ntity of water to be passed, and
can form no opinion as to the
iat very little is known on these
, and the District Engineer
at they were no means of deter-
ar wings of these sluices should
id a width between parapets of
ffic of the next fifty years. The
appliances will be necessary for
able.

ny provision for works to check
aragraph of my Note of the 7th
pointed out that this was a subject
e doubtful whether the alignment
he river margin where that margin

es have been provided for, but as the
lavery maximum freshes rise to a
siderable height above the ground
te freshes must submerge the greater
d seem to be necessary. It would
ie island in this respect before the
condition of the island, are con-
assume that the present estimate

s, Madras Government, No. 2,588,
t the total extent of land occupied,
District Engineer's estimate of the
able part of this must be situated
24,320 acres only. Of the 30,774

8. It is no doubt very desirab
improved at an early date. The B
for 1874-75, from which it would see
whatever that may be determined
little money in the reserve, or, as it
after the incomplete works for 1873-7
for the work that can be done befor
found. The work will be of the cl
are kept. If the estimate be sanctio
which may be possible before the 3
credit of the Reserve.

FORT ST. GEORGE, (Signe
5th February 1874.

No. 504. ORDER THEREON,

IRRIGATION, No. 33.

sluices for the protection of the islan
floods. From the remarks of the Chie
estimate is not likely to provide all tha
free from flood-water, as it will be ne
lines of drainage to exclude river-wat
until more is known of the circumstan
embankments are formed, it will be
and an estimate for these sluices. Th
such an estimate as soon as the nece

2. Colonel Fischer's attention
proper alignment of the embankmen
they are placed at a safe distance fr
to prevent erosion of the island by
should be reported on as soon as p
unnoticed in submitting the embank

3. While making preparations
the requirements of the cultivation
under which the supply will be draw
the arrangements may not prove to be suitable.

4. With regard to the way in which the cost of these works and of any other
which may be found to be necessary should be met, His Excellency in Counc
is of opinion that, taking into account th relative areas of Government, includin
Inam lands, and of those belonging to Proprietary estates, it will be proper t
charge to the latter one-third of the ot which may be incurred, and on th
condition the remaining two-thirds wi provided by Government from th
Ordinary Agricultural grant, the work g classed as suggested by the Chi
Engineer for Irrigation.

e condition of the island should b
vision under Agricultural Ordinary
ire of the cost of the improve
rnment to be, must be met, has bu
alled, for minor works, but possibly
ave been provided for enough money
eshes of the year commence may be
ich no Capital or Revenue Accounts
, provision for the small expenditure
can be made from the balance at

.ULLINS, Lieut. Colonel, R.E.,
Chief Engineer for Irrigation.

uary 1874, No. 477.

THE Governor in Council resolves
prove of the estimate, amounting to
es 62,000, for embankments and
laram in the Godavery Delta from
gineer for Irrigation it appears that this
ll be required for rendering the island
l to construct self-acting sluices on the
d discharge rainfall drainage, but that
the island, as these will be after the
postpone the preparation of designs
strict Engineer will accordingly prepare
data may be obtainable.

given at once to the subject of the
certain places, and he will take care that
river margin. The measures requisite
which run along its boundaries
these should not have been left
ate.

truction of the irrigation sluices
each channel, and the circumstance
would be fully inquired into, otherwis

5. The District Engineer is
reporting what amount can be spent
will be once be made from the Reserv
be in the power of Government to gra
disposal.

(Tru

To the District Engineer, Godavery.
,, Officiating Controller of Public Works A
,, Chief Engineer for Irrigation.
,, Revenue Department.

Exd. S. T. Austin,
Spare Copies

the embankments,
en an appropriation
ich money as it may
e District Engineer's

Colonel, R.E.,
Government.

Revenue Department

No 1071

31

Jer 1861/74

29-4/1110

14th March 1874.

No 40

Comm.r to the
Board of Revenue.

29

16 March 74