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MADRAS RECORD OFFICE

GOVERNMENT OF MADRAS

Revenue DEPARTMENT

G.O. No. / B.P. No.	40	Press / Mis.
Dated	10.4.1874 ~~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 advantag
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
nd; these papers have been ready for
e time, but as soon as I heard of your
hat you might have an opportunity of
might require in this matter; this has
nd 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
nce 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 o
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 wh
soon be put in hand.

been constructed in any
state is clearly traceable to
of the ryots would have
hen bank put up at hap-hazard
mit 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-
rld, and not the simple ideas or
of this country.

raising the embankment 3 feet
und the island, for shutting up
the sites where most required to
general sketch map and the cross
charged by two existing channels,
le 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 re

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
definite is known. All that is tolerably
no work of this kind has been carried
ing portions of embankments indi
villagers themselves.

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

ce of information as to the areas
ntity of water to be passed, and
can form no opinion as to the
at very little is known on these
, and the District Engineer
at they were no means of deter-
ar wings of these sluices should
d 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
e 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
ble part of this must be situated
24,320 acres only. Of the 30,774

ments, such as they were, nothing
hat for some 30 years or thereabouts
ndeed the character of the few exist-
y were probably thrown up by the

8. It is no doubt very desirab e condition of the island should b improved at an early date. The B vision under Agricultural Ordinary for 1874-75, from which it would see are of the cost of the improve whatever that may be determined rnment to be, must be met, has bu little money in the reserve, or, as it alled, for minor works, but possibly after the incomplete works for 1873-7 have been provided for enough money for the work that can be done befo eshes of the year commence may be found. The work will be of the cl hich no Capital or Revenue Accounts are kept. If the estimate be sanctio , provision for the small expenditure which may be possible before the 3 can be made from the balance at credit of the Reserve.

FORT ST. GEORGE, (Signe ULLINS, Lieut. Colonel, R.E.,
5*th February* 1874. *Chief Engineer for Irrigation.*

No. 504. ORDER THEREON, uary 1874, No. 477.

IRRIGATION, No. 33.

THE Governor in Council resolves sluices for the protection of the islan prove of the estimate, amounting to floods. From the remarks of the Chie es 62,000, for embankments and estimate is not likely to provide all that laram in the Godavery Delta from free from flood-water, as it will be ne gineer for Irrigation it appears that this lines of drainage to exclude river-wat ll be required for rendering the island until more is known of the circumstan l to construct self-acting sluices on the embankments are formed, it will be d discharge rainfall drainage, but that and an estimate for these sluices. T the island, as these will be after the s such an estimate as soon as the nece postpone the preparation of designs str ct Engineer will accordingly prepare dat a may be obtainable.

2. Colonel Fischer's attention given at once to the subject of the proper alignment of the embankmen cert ain places, and he will take care that they are placed at a safe distance fr river margin. The measures requisite to prevent erosion of the island by which run along its boundaries should be reported on as soon as p these should not have been left unnoticed in submitting the embank ate.

3. While making preparations ruction of the irrigation sluices the requirements of the cultivation each channel, and the circumstance under which the supply will be draw uld be fully inquired into, otherwis 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 elative 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 o which may be incurred, and on thi condition the remaining two-thirds wi provided by Government from th Ordinary Agricultural grant, the work g classed as suggested by the Chie Engineer for Irrigation.

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

(Tru

epartment,

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

Colonel, R.E.,
Government.

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

Exd. S. T. Austin,
Spare Copies

Revenue Department

Govt. of 1874 Madras.

PUBLIC WORKS.

No 1071

To

THE DISTRICT ENGINEER, GODAVERY.

&c., &c. &c.

Dated February 25th.

Encl. 31 Encd.

G. O., 25th February 1874, No. 477.

FEBRUARY

Nos. 503-504

Polaram Island, Godavery District.

Estimate of Rupees, 62,000 for embankments and sluices for the protection of the island of Polaram in the Godavery Delta, approved with certain instructions and the commencement of the embankments authorized, and a report of the amount that can be spent for the year March to be made.

No 40

Comm.d to the Board of Revenue.

10 April 14

Ter 1861/74

14 & Letts 3d of Rev Secs 15 April 74.

29-4-1110