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MADRAS RECORD OFFICE.

Government of Madras.

FINANCE DEPARTMENT.

G.O. No. 2592

Press
MIS.

Dated 27th October 1941.

Not to be folded or roughly handled

GOVERNMENT OF MADRAS.

FINANCIAL DEPARTMENT.

27th October 1877, No. 2592.

Municipal—Canals.

Read the following papers :—

No. 224. *From W. LOGAN, Esq., President of the Municipal Commissions, Malabar, to the Chief Secretary to Government, dated Cochin, 13th March 1877, No. 54.*

Referring to G.O., Financial Department, Nos. 764 and 1148, dated 1st May 1876 and 22nd June 1876, respectively, I have the honor to inform you that—

- I. The Culvetty Channel is not an artificial canal.
- II. Its length where both banks are *wholly* within municipal limits is 2176 feet.
- III. The bulk of the traffic is confined to municipal limits, but a few small canoes bringing fire-wood, grass, &c., proceed further up the channel and unload on the eastern bank, which is at that point in Native Cochin. The western bank of the channel is all along in British Cochin.

2. As regards the putting of the channel in thorough repair, I have the honor to enclose an approximate estimate and specification prepared by the Range Officer and countersigned by the District Engineer as also two survey sketches showing the locality. The estimate amounts to Rupees 15,560 (inclusive of Public Works Supervision charges at 25 per cent.) and provides for a rough stone-in-mud facing to the banks and for the necessary drainage, inlets, and bridges. The District Engineer considers "it would not be advisable to narrow the canal to the extent proposed by Mr. Grimes without also providing basins for the accommodation of boats loading and unloading," and he thinks that "provision would also be necessary for timber in log which might require similar accommodation." On these two points the Municipal Commissioners and I agree with the District Engineer.

3. On the borders of the western swamp which Mr. Grimes proposes to fill up there is an extensive industry of timber-sawing. It would be difficult for the people to get their timber as far as the saw-pits unless they have water communication with the backwater. I would therefore propose that the whole of the swamp should not be filled up but that a channel be left down the middle of it for conveying timber to the saw-yards and also for drainage. The eastern swamp should also be similarly dealt with. These swamps will become when reclaimed a very valuable property.

4. It has also occurred to me that Mr. Grimes' plan of operations will hardly be practicable, for the blocking up of the canal during the indefinite period while the operations are being carried out will cause great inconvenience to the merchants. Besides which I doubt very much if it will be found practicable to drain the canal by means of the fire-engine. The waterspread is very considerable, and there is always at a depth of about four or five feet from the surface an inexhaustible supply of subsoil water. Even therefore if the canal could be drained in the manner proposed there would be the risk of the subsoil water flowing in to replace it as rapidly as it was drained off. It will, however, I think, be found practicable to construct the wall facing in short lengths, water being kept out by two puddle walls of stakes and mud while the foundations are being laid. The Municipal Commissioners also think that the walls "should be well protected by inside puddling" because the current is strong and the backing of the walls will be washed away unless protected in this manner. Facing these inner puddle walls with oyster shells has also been suggested as beneficial.

5. With these remarks I submit the matter for the final orders of Government and solicit the issue of early orders for levying tolls at the rates proposed by the Commissioners in their first letter to my predecessor on the subject, viz. :—

	RS.	A.	P.
First-class Kettu Vallams and equally as large cargo-boats, each..	0	1	0
Second-class do. do. " "	0	0	9
Third-class do. do. " "	0	0	6
Canoes, each	0	0	4
First-class cabin boats, each	0	1	0
Second-class do. "	0	0	9
Third-class do. "	0	0	6
Timber rafts, per 100 logs	2	0	0
Bamboo and spar rafts, per 100 pieces	0	2	0

No. 759.

Referred to the Chief Engineer for opinion.

(By order.)

FORT ST. GEORGE,
2nd April 1877.

(Signed) J. STURROCK,
Under Secy. to Govt.

No. 225.

No. 951.

MEMORANDUM.

[Letter, No. 54, dated the 13th March 1877, from the Collector of Malabar, to the Chief Secretary to Government, bearing endorsement, No. 759, dated 2nd April 1877.]

I know the canal well; the work proposed is a very desirable one.

2. I am of opinion that the canal should be laid out with a regular width of not less than fifty feet, which should be excavated to the correct depth, &c. The banks being revetted with stone laid on foundations of from 1 to $1\frac{1}{2}$ feet below bed-level, this revetment should be built dry, with a batter of $\frac{1}{2}$ to 1 in front, and perpendicular behind, where it should be puddled and the excavated spoil used for filling in and backing up, &c., finally being covered with sand or gravel.

3. The work should be taken in hand in small sections commencing from the inland end, properly bunded, and the water bailed out with the ordinary Malabar bailing-wheels. The fire-engine would be next to useless.

4. I am convinced that the reclamations as proposed will be of inestimable benefit to all the residents in the vicinity; the stench sometimes arising from the stagnant water in the swamps is beyond conception.

5. The District Engineer should be called upon to supply a regular estimate and specification for the work with survey sections and plans to scale. There being no scale to the sketches submitted it is impossible to arrive at any conclusion as to the correctness of the approximate estimate.

FORT ST. GEORGE, (Signed) W. FAREWELL, Col., Depy. Chief Engr.,
13th April 1877. Buildings and Roads Branch, P.W.D.

No. 952.

Transferred with enclosures to the Chief Secretary to Government, Financial Department.

FORT ST. GEORGE, (Signed) E. A. FOORD, Colonel, R.E.,
13th April 1877. Secy. to Govt., P.W.D.

No. 1319.

The Government will await the submission of a revised estimate as recommended by the Chief Engineer.

FORT ST. GEORGE,
23rd April 1877.

(Signed) J. STURROCK,
Under Secy. to Govt.

No. 226. From W. LOGAN, Esq., President of the Municipal Commissions, Malabar, to the Chief Secretary to Government, dated Tellicherry, 2nd October 1877, No. 21.

Referring to G.O., Financial Department, No. 1319, dated 23rd April 1877, on the subject of the Culvetty Canal Project at Cochin, advocated by me, I have the honor to inform you that the District Engineer states that an Overseer has been deputed to commence the necessary surveys, &c., and that he will require the aid of seven lascars for three months at Rupees 7 each per month. I request that sanction may be accorded for incurring the charge and that funds may be provided for the purpose.

No. 227. ORDER THEREON, 27th October 1877, No. 2592.

The entertainment of seven lascars to work under the orders of the Overseer is sanctioned, but their pay must form a charge against Municipal Funds.

(True Extract.)

J. STURROCK,
Under Secy. to Govt.

To the President of the Municipal Commissions, Malabar,
with enclosures returned.
„ Public Works Department.
„ Accountant-General.

Exd. A. S. Rodgers.

Financial DEPARTMENT.

No. 5896.

From

The President Municipal Commission
Malakal.

Dated

187 .

FOR ORDERS.

The meeting seem
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- Members present
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Submitted - that if
the work is carried out
the D. P.W. the Municipality
will have to pay 25% for
supervision

Govt. of 18773

FINANCIAL.

To

THE PRESIDENT OF THE
MUNICIPAL COMMISSIONS,

Malakal, etc., etc., etc.

Dated October, 27th.

Issued

Recd.

By

G.O., 27th October 1877, No. 2592.

OCTOBER.

Nos. 224-227.

Municipal - Canal. - The entertainment of seven
persons to work under the Overseer engaged in
surveying the Culivetty Canal, sanctioned, their
pay to form a charge against Municipal Funds.

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survey with a special
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submitted to paid for by
the Municipality.

JL

Culvethy Canal Survey

From
FOR ORDERS.

27/10/77- No 2592

Original

5876
015.4.
23.10

No. 21.

226

From.

W. Logan Esq^r

President, Municipal Commission
Malabar

To.

The Hon^{ble} D. F. Carmichael
Chief Secretary to Government
Fort St George

Sir,

Referring to G. O. Financial de-
partment, No 1319, dated 23rd April 1877,
with the on the subject of the Culvethy Canal
Cochin
Report for project at Cochin, advocated by me,
1876/77 I have the honor to inform you that
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may be accorded for incurring
the

Municipal President's office
on circuit
Tellicherry 2nd October 1877
98

the charge and that funds may
be provided for the purpose.

I have the honor to be,

Sir,

your most Obedt. Servant

W. H. H. H.

President

from

The Priest, much Com-

Malabar

the chief being
Motto.

Part 2

Dec. 5th } October 1845,

65896

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From Order

11441 Nov 1004 - 2423 + 5896.

Dec. 27th Oct. 77. No 254

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América

Prof. M. M. Jones
P. O. Box 100
Mar 26 1891
P. O. Box 100
Mar 26 1891

24/72
78

Filed

Nos. 224-227

Avenue Canal. The winter
terminant of Avenue Lacars to
work under the Overseer engaged
in surveying the Calvettty Canal,
~~canals, and the West. Mural~~
~~to the bridge, informed that~~
they pay ~~a~~ ^{to} form a charge
against Mural funds.