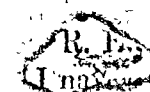


MADRAS RECORD OFFICE.



Government of Madras.

Public Works DEPARTMENT.

G.O. No.	1502	Press	<i>CP</i>
		Mis.	
Dated	26	18	65.

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
2nd June 1865.*

No. 67. Read the following letter from Lieutenant-Colonel J. C. ANDRIYING on R. E., Superintending Engineer, 2nd Division, to Colonel C. A. Able, be R. E., Secretary to Government, Department Public Works, dated Masulipatam, 17th April 1865, No. 7 :—

SIR,

1. Referring to G. O. No. 438, dated 14th February 1865, I have the honor to submit estimates of the probable expense of the channels required for the drainage of the town of Masulipatam.

5 Abstract estimates.

1 Plan of self-acting shutter bridge.

1 General section of levels of the Lunkapully, &c., channels.

1 General plan and section of levels of the town drainage channels, &c.

1 Plan shewing the sanctioned and proposed lines of Lunkapully, &c., drainage channels.

* G. O. No. 438, dated 14th February 1865,

2. As explained in the Memorandum which accompanied the report* of the President of the Sanitary Commission, there are no difficulties in the way of carrying off the drainage water in the town, provided the Sultanagram swamp, which runs parallel to it in the landward

side, were also to be drained. At present there is no outlet for the water, and it remains an immense lake for the greater part of the year.

3. The bed of the swamp is low in some places below the level of ordinary high tides, but the passage of the water to the sea is impeded by inequalities on the ground, and by the silting up of the natural outlet near the village of Goondlapollem 3½ miles south of the town. This course is a very circuitous one, and instead of attempting to improve it, I would propose to cut through the sandy ridge at the extreme end of the Petta, and after joining the channel to the south bank of the Masulipatam canal, where the ground again becomes low, to continue it parallel to the canal as far as the tidal creek at the Fort. The earth thus obtained would form a very substantial embankment on the south side of the canal, and effectually prevent the encroachment of the Kistna floods into the swamp between the Fort and town.

4. It is proposed to give the bed of the drainage channel along the Sultanagram swamp a depth of one foot below ordinary high water, for the portion extending from the bridge on the Hyderabad road to the tunnel under the Masulipatam canal, and of two feet below high water from the tunnel to the sand ridge above mentioned.

5. A masonry bridge is proposed to be constructed on the sand ridge where the channel will cross the road from the town to the southward, and self-acting gates are provided in rear of the bridge to prevent the ingress of tidal water.

6. From the bridge to the tidal creek, the depth of the channel will be 4 feet below high water, and its width 50 feet while that of the upper section of the channel will be 30 feet. Although the water way of the bridge on the Hyderabad road and of the tunnel under the canal will be considerably greater than that of the channel, I have thought it unnecessary to increase the width beyond the limits above mentioned, as the embankment will be on one side only, and as the stream will extend on the opposite side considerably beyond the margin of the channel.

7. A separate project, which was sanctioned in G. O. No. 3,681, dated 22nd December 1864, provided for the excavation of a channel from the village of Lunkapully 9 miles west of Masulipatam to Goondlapollem, and from thence to the tidal creek. I would propose to combine this project with the one above described, by intercepting a smaller body of drainage water than was intended, and by meeting the channel with the Sultanagram swamp channel at the point where the latter enters the sand ridge.

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The cost of the two projects separately would amount to Rupees 79,270 as if they are combined in the manner proposed it will be Rupees 60,620.

The latter amount is made up of the following items :—

	Rs.
Channels and culverts in the town	15,200
Channel along Sultanagram swamp to sand ridge	3,460
Bridge with self-acting gates	8,870
Channel in continuation to tidal creek	20,740
Channel from Lunkapully to sand ridge	12,350

Total... 60,620

* Rupees 4,000 and 5,000, vide G. O. Nos. 763 and 791, dated 18th and 21st March 1865, respectively.

Excepting the small portion of the above amount* which has been allotted from Imperial Funds, for expenditure during the current year, I would recommend that funds for the execution of the work may be appropriated from the Income Tax grant for next official year, or should this prove insufficient I think the amount may properly be defrayed in part from Local Funds.

9. Application for the necessary transfer will be submitted after receipt of the Budget of those funds.

No. 68.

ORDER THEREON, 2nd June 1865, No. 1,502.

CIVIL WORKS, No. 10.

1. The estimates submitted with this letter, amounting to Rupees 48,270, provide for certain improvements to the drainage of Masulipatam, and of the adjacent Sultanagram swamp. The necessity for these works was first brought to the notice of Government by the President of the Sanitary Commission, in his report upon the state of Masulipatam, dated G. O. No. 791, dated 21st March 1865. 17th December 1864; and subsequently a sum of Rupees 5,000 was sanctioned for expenditure during the past official year, chiefly with the view of providing employment for such of the inhabitants as had been left destitute by the cyclone of November 1864.

2. Along with these estimates for improving the drainage the Superintending Engineer has also included a separate project for deepening the tidal creek at Masulipatam, by diverting into it the drainage of a tract of land which now flows into the Kistna. For this work also a grant of Rupees 4,000 was made, with G. O. No. 763, dated 18th March 1865. the sanction of the Government of India, for expenditure during 1864-65, to alleviate the distress caused by the cyclone by providing employment for the survivors. The original estimate for this work was Rupees 31,000; but the Superintending Engineer states that by combining it with the drainage scheme, the united amount of the two estimates may be reduced by Rupees 18,650, or from Rupees 79,270 to Rupees 60,620.

3. Looking to the fact that the former of these works is of a purely municipal nature, and that the urgency of the circumstances under which a special grant was made, in the last official year, for the commencement of the latter has now in great measure passed away, the Government cannot allot for their completion any portion of the very limited amount of Imperial Funds at their disposal for the current year.

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They consider that the scheme for improving the tidal creek may lie over as already ordered; but provision for carrying on the drainage works will, if possible, be made from the Income Tax Funds for the current year.

(True Extract.)

(Signed) CHARLES A. ORR, Colonel, R. F.,
Secretary to Government.

To the Superintending Engineer, 2nd Division.
" Accountant General.
" Controller of Public Works Accounts.

Erd. S. T. Augustin.

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