

Public Works (1897)) Department.

G.O., No. 730 W

DATED 12 March 1877.

[Despatch Abstract.]

Advance: Sanctioning the grant
of Rs. 800 to the A.W. Smart.

BACK PAPERS.

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

Public Works (1897) Department

CURRENT No. 2555

Order

Sanctioned.

From

Lh Col Smart. R. E

No. 1

Dated 10. 3. 97

Received 10. 3. 97

Enclosures

Spare copies

SUBJECT.

Requesting that he may
be granted an advance

S. S. on the day 8, 12/31/97 of Rs 800/-
S. P. W.

10th March 1897

Sir, I have the honor to ^{very} respectfully
refer you to G.O. No 697 W
dated 10th March 1897 that I was au-
thorized to advance of Rs 800
under VRI. Chap IV para 160
of the S. P. W. Code.

Yours obedient servant

Arthur
Hill

Government {1897} of Madras.
LOCAL AND MUNICIPAL.

Recd.

Regd.

1897.

Enclosures

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8
OW 2273/57

G.O., No. 209 M., 12th February 1897.

Order thereon No. 731 No. 12.3.97

Recorded.

FEBRUARY.

(True extract)

To
The Chief Engr. for Irrigation
" Consulting Engr. for Railways
" Consulting Architect
" Supt. & Engr. of Circle
" Supt. Engr. of Circle

(Sd) D. H. C.
W

Madras Drainage.

Approving, with remarks, the scheme for the drainage of Madras now proposed by the Commissioners; sanctioning the proposals to undertake at once the drainage of Mylapore on the house-connection system and to lay pipe-sewers along Ice House road and Sydenham's road; requesting the President, Municipal Commission, Madras, to arrange for the commencement of the works without delay; and stating that the question of financing the main scheme will be dealt with later on.

GOVERNMENT OF MADRAS.

LOCAL AND MUNICIPAL DEPARTMENT.

READ—again the following paper:—

G.O., No. 2140 M., dated 21st December 1895.

ABSTRACT.—Passing orders on the drainage and water-supply schemes of the City of Madras.

READ—also the following paper:—

From Lieutenant-Colonel G. M. J. MOORE, C.I.E., President, Municipal Commission, Madras, to the Secretary to Government, Local and Municipal Department, dated 19th November 1896, G. No. 541.

In forwarding the accompanying extract from the proceedings of a special meeting of the Commissioners held on the 18th November 1896, together with the report of the committee referred to, I have the honour to request that Government will be pleased to reconsider G.O., No. 2140 M., dated 21st December 1895, in view of the proposals of the committee adopted by the Commissioners.

2. If this be acceded to, the drainage of Mylapore and the sewers in Ice House road and Sydenham's road can be put in hand at once with the 3½ lakhs kindly contributed by Government.

3. Proposals as to the improvement of the water-supply will be submitted shortly.

ENCLOSURES.

EXTRACT from the Proceedings of a special meeting of the Commissioners held on 18th November 1896.

Read—G.O., No. 2140 M., dated 21st December 1895, passing orders on the drainage and the water-supply schemes for the City of Madras and the report of the Committee appointed by the Commissioners thereon.

Proposed by M.R.Ry. P. Subrahmanya Aiyar Avargal and seconded by M.R.Ry. V. C. Desika Chariyar Avargal—

“That the report of the committee be adopted and submitted to Government for sanction”.

Resolution.—Carried *nem. con.*

Proposed by Surgeon-Lieutenant-Colonel G. L. Walker and seconded by M.R.Ry. P. Subrahmanya Aiyar Avargal—

“That the hearty thanks of the Commissioners be accorded to the committee for their labours in connection with the submission of this report.”

Resolution.—Carried *nem. con.*

REPORT of the Committee appointed by the Commissioners at their meeting held on 3rd March 1896 to consider G.O., No. 2140 M., dated 21st December 1895, passing orders on the drainage and water-supply schemes of the City of Madras.

The committee held five meetings, of which one was at Manalli.

The committee, before expressing an opinion upon the system of house-connections advocated by Mr. Loane—that is, connecting the front of the houses with the sewer instead of the backyards as proposed by Mr. Cousins—considered it desirable to have a practical test. Accordingly it was determined to lay a 9" sewer down Parish Venkatachala Aiyar Street, Black Town, discharging into No. 1 sewer and connect the houses with it.

2. Eleven house-connections were made and the sewer laid in September 1896 at a cost of Rs. 2,910.

3. They also deemed it advisable to have a plan and levels taken of the proposed site for the sewage farm at Manalli on the west of the Cochrane canal, and an estimate of the cost of preparing the land.

4. It was found that the land available was approximately 270 cawnies, but 130 only were dealt with, and the estimate, taking the value of the land at Rs. 600 per cawny, amounted to Rs. 3,91,934.

5. The committee inspected this site and were satisfied that it was not a suitable one for several reasons, the principal one being that there was no outfall for surplus sewage, which would have to be discharged into the canal. Taking into consideration the fact that as much land as could be required was available to extend the existing Black Town farm towards the north, the soil of which has proved to be eminently adapted to sewage farming, and that the cost of extending the main from Manalli to the present outfall channel would be about Rs. 1,55,000 and that the cost of 130 cawnies in that locality would not be more than Rs. 1,56,000, making a total of Rs. 3,11,000, against Rs. 3,91,934 for the Manalli sewage farm, and in view of the opinion expressed by the committee appointed by Government in 1890 to the following effect—“They consider the existence of this farm to be in no way objectionable, and as land for its extension is available to a practically unlimited extent, no better final outfall could be obtained”—the committee recommend that the final outfall should be at the present Black Town farm.

6. The committee advocate the high-level iron main from Triplicane to Black Town farm with pumping stations at Kistnampett, Chintadripettah, Lang's Gardens, Choolay and Tondiarpett; that the sewers should be laid with provision for house-connections where found suitable—the connections referred to above in Parish Venkatachala Aiyar street having proved very satisfactory; that existing side-drains may be connected with the sewers; that side-drains should be constructed where house-connections are unsuitable.

7. The committee have not so far dealt with Mylapore, but they recommend that the grant of 3½ lakhs given by Government should be devoted to this purpose and that Mylapore should be taken in hand at once and drained on the house-connection system, the sewage being turned on to a temporary sewage farm on Barber's Bridge rubbish depôt to be eventually led into the outfall main at Triplicane.

8. The accompanying abstract shows that, excluding Mylapore, the total cost of construction would be Rs. 28,81,100.

9. Mr. Loane's original estimate, including Mylapore, carrying the outfall main to Manalli, amounted to Rs. 27,25,000.

10. It will, however, be seen that this abstract provides Rs. 2,49,000 for extension of sewage farms to an extent of 208 acres, and also for an increased length of outfall calculated above to cost Rs. 1,55,000, making a total of Rs. 4,04,000, which, if added to the Rs. 27,25,000, gives a total of Rs. 31,29,000 or almost the same as the present figure.

11. It is, however, proposed to alter the line of the outfall main by not taking it to Manalli, but crossing the canal at Basin Bridge, down Basin Bridge road and Old Jail street along Monegar Choultry road, across to Suria Narayana Chetti street, thence straight north to the northern limit of the farm. This will do away with the present open outfall channel and a portion of the existing 24" main.

12. It will be seen that, out of the 3½ lakhs given by Government, the drainage of Mylapore is only estimated to cost Rs. 3,00,000.

13. The committee recommend that the remaining Rs. 50,000 be utilized as follows:—

14. That the drain along Ice House road, which from where it turns off to the south round the Hindu burial and burning ground is nothing but an ordinary ditch drain, should at once be converted into a pipe-sewer in anticipation of its forming one of the components of the Triplicane section. This is estimated to cost about Rs. 35,000.

15. That the present open masonry and ditch drain along Sydenham's road be also converted into a pipe-sewer leading into D'Mellows road farm in anticipation of its forming one of the components of the Choolay section—thus abolishing the long complained of nuisance in the People's Park. This is estimated to cost about Rs. 15,000.

16. With reference to paragraph 6 of the report, the committee would recommend that the high-level iron main be the first work undertaken and that a sum of 12 lakhs be allotted in the first instance.

ABSTRACT.

Letter from R. E. ELLIS, Esq., Engineer, Madras Municipality, to the President, Madras Municipal Commission, dated Madras, 29th October 1896.

With reference to the proposals made by the Drainage Committee, the cost of execution and maintenance of the works may be sub-divided as under. The cost of pumping has been included, but it has been found that the rental of the farm pays for the pumping when sufficient area is provided and the sewage not allowed to run to waste.

	Maintenance per annum.	Construction.
	RS.	RS.
<i>Mylapore.</i>		
Drainage and house-connections	5,000	3,00,000
Cost of pumping to Barber's Bridge farm	5,350	..
Conservancy for flushing	..	..
Total ..	10,350	3,00,000

<i>Chintadripett and North Triplicane.</i>		
Outfall main from Black Town to Chintadripett	..	7,16,500
Sewers	..	2,68,000
House-connections, 5,000	..	1,00,000
Pumping machinery 2/45 I.H.P. engines and boilers	..	20,000
Engine-house, well and drivers' quarters	..	17,000
Extension of farm 70 acres at Rs. 1,200	..	84,000
Cost of pumping, Rs. 31,000—Rs. 6,000*	25,000	..
Conservancy for flushing, &c.	7,500	..
Total ..	32,500	12,05,500

<i>Meersapett and South Triplicane.</i>		
Sewers	..	2,10,000
House-connections, 3,500	..	70,000
Pumping machinery, 2/40 I.H.P. engines and boilers	..	16,000
Engine-house, well and drivers' quarters	..	17,000
Extension of outfall	..	81,000
Extension of farm 40 acres at Rs. 1,200	..	48,000
Maintenance pumping, Rs. 30,000—Rs. 10,000*	20,000	..
Conservancy	5,250	..
Total ..	25,250	4,42,000

<i>Egmore and Komaleeswarenpett.</i>		
Sewers	..	1,50,000
House-connections, 2,000	..	40,000
Pumping machinery, 2/18 I.H.P. engines and boilers	..	8,000
Engine-house, well and drivers' quarters	..	12,000
Branch to outfall	..	13,000
Extension of farm 20 acres at Rs. 1,200	..	24,000
Maintenance pumping	10,000	..
Conservancy	3,000	..
Total ..	13,000	2,47,000

<i>Choolay.</i>		
Sewers	..	3,50,000
House-connections, 6,000	..	1,20,000
Pumping machinery 2/42 I.H.P. engines and boilers	..	17,000
Engine-house, well and drivers' quarters	..	17,000
Extension of farm 38 acres at Rs. 1,200	..	45,600
Pumping maintenance, Rs. 30,000—Rs. 10,000*	20,000	..
Conservancy	9,000	..
Total ..	29,000	5,49,600

* Existing charges.

Maintenance per annum.
RS.
Construction.
RS.

Tondiarpett and Ráyapuram.

Sewers	..	2,70,000
House connections, 5,000	..	1,00,000
Pumping machinery, 2/15 I.H.P. engines and boilers	..	7,000
Engine-house, well and drivers' quarters	..	12,000
Extension of farm 40 acres at Rs. 1,200	..	48,000
Pumping maintenance	10,000	..
Conservancy	7,500	..
Total ..	17,500	4,37,000

ABSTRACT.

	Pumping.	Conservancy.	Construction.
	RS.	RS.	RS.
Mylapore	5,000	5,350	3,00,000
Chintadripett	25,000	7,500	12,05,500
Meersapett	20,000	5,250	4,42,000
Egmore and Komaleeswarenpett	10,000	3,000	2,47,000
Choolay	20,000	9,000	5,49,600
Tondiarpett	10,000	7,500	4,37,000
Total ..	90,000	37,600	31,81,100

The provision for house-connections is made with reference to paragraph 6, should it be considered desirable to construct them.

ORDER—No. 209 M., dated 12th February 1897.

In the circumstances stated, the scheme for the drainage of Madras now proposed by the Commissioners, which, excluding the subsidiary project for Mylapore, is estimated to cost Rs. 28,81,000, is approved.

2. The Commissioners propose to undertake at once the drainage of Mylapore on the house-connection system and to lay pipe-sewers along Ice House road and Sydenham's road at a total cost of Rs. 3,50,000, appropriating towards the cost of these works the Provincial grant of 3½ lakhs which they have in hand. These proposals are sanctioned. The President is requested to arrange for the commencement of the works without delay.

3. The questions connected with the financing of the main scheme will be dealt with later on.

(True Extract.)

G. S. FORBES,
Secretary to Government.

To the President, Municipal Commission, Madras.
" Sanitary Board.
" Sanitary Commissioner.
" Sanitary Engineer.
" Public Works Department.
" Financial Department.
Editors' Table.

Exd. A. Raitt.