15,000—13-2-06.

DEPARTMENT.

Paper taken out of the Re

Local & Muni. (1897) Department.

INDEXED. MHS

PRINTED.

G.O., No. 252 M

DATED 19-2-97.

[Despatch Abstract.]

Water Supply & Drainage Schemes

Passing orders on the resolution of the Sanitary Board regarding the ——— to be taken up by the Sanitary Engr. during 1897

BACK PAPERS.

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

FURTHER PAPERS.

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

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Government {1897} of Madras.

LOCAL AND MUNICIPAL.

Proof for approval

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G.O., No. 252 M., 19th February 1897.

FEBRUARY.

Water-supply and Drainage Schemes.

Passing orders on the resolution of the Sanitary Board regarding the — to be taken up by the Sanitary Engineer during 1897.

GOVERNMENT OF MADRAS.

LOCAL AND MUNICIPAL DEPARTMENT.

READ—the following paper:—

Proceedings of the Sanitary Board, No. 312-S., dated 8th December 1896.

Read—the following papers:—

From J. A. JONES, Esq., M.I.C.E., F.R.S.E., Sanitary Engineer to Government, to the Secretary, Sanitary Board (through the Sanitary Commissioner for Madras), dated Fort St. George, 10th November 1896, No. 3232.

With reference to rule No. 15 embodied in G.O., No. 1698 L., dated 18th September 1896, I have the honour to inform you that, owing to having been called upon to draw up designs for so many works (*vide* paragraph 6 following), it is practically impossible for me to draw up the statement required. I therefore leave it, with the following remarks, to the Sanitary Board after hearing the Sanitary Commissioner's views on the matter to recommend to Government the works which they think should be first undertaken. There is no guarantee, however, that such *work will* be overtaken, as this office is so often called on to do additional work the amount of which it is impossible to gauge or even foresee.

2. The drawing office staff is a limited one, consisting of only the following and is really much too small for the work now required (without considering what may come under note 16 of the Sanitary Board's rules):—

Permanent.		Average cost.					
		Rs.	A.	P.	Rs.	A.	P.
1 Office Assistant	Rs. 150—10—200	187	8	0			
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2 Draftsmen, each	„ 50— 4— 70	130	0	0			
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1 Estimator	... ...	60			
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Half this staff is usually employed on Sanitary Board work and hence the small outturn of work now compared with what used to be when the office was first instituted. About four ordinary schemes a year is with the present staff about the most the office can undertake to get through, and a selection ought therefore to be made accordingly; at the same time it must be remembered that some of this year's schemes will fall to be completed next year and hence even the four schemes selected may not be disposed of.

3. The programme for the present year (1896) was—

(1) Negapatam water-supply.
(2) Cuddapah drainage.
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(6) Calicut „

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5. With reference to the coming year therefore (while I would like to double the work and I could easily overtake more if staff is granted in proportion to what is required to be done and this I trust the Sanitary Board will recommend to Government) with the present staff, it would not be possible to do more than complete:—

Rough Estimate.

	Rs.
Negapatam water-supply	10,00,000
Cuddapah drainage	2,66,000

and undertake—

	Rs.
Coonoor water-supply	1,20,000
Bellary „	9,35,000
Tanjore drainage	50,000

and perhaps one other town which the Sanitary Board may select from the following list.

6. I advise selection on the following order:—

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Total ...	28,18,000

7. A staff to prepare the above within a year would cost Rs. 1,40,900 and deducting the Sanitary Engineer's pay and Assistant Sanitary Engineer's pay, the balance would be Rs. 1,19,300, or Rs. 9,941 per month, while the staff available for

this work is about Rs. 853-12-0 ÷ 2 = Rs. 426. Government are, however, I believe, able to provide only Rs. 4,00,000 per annum for water and drainage works or for schemes amounting to Rs. 8,00,000 and to overtake this amount of the work, the staff should cost about Rs. 40,000 per annum or deducting again the Sanitary Engineer and Assistant Sanitary Engineer's pay, there would be a balance of Rupees 18,400 per annum, or Rs. 1,533 to which should be added for Sanitary Board's work half the cost of existing staff or Rs. 426, making in all Rs. 1,959 per month.

8. These figures are given to show how very meagre the Sanitary Engineer's staff is for the work to be done, the cost being based on 5 per cent. of the cost of the schemes.

9. I think that the above will be more satisfactory than placing a mere statement of names of towns before the Board, because it really shows what can be expected of this office.

From Surgeon-Lieutenant-Colonel W. G. KING, M.B., C.M., D.P.H., Sanitary Commissioner for Madras, to the Secretary, Sanitary Board, dated Fort St. George, 17th November 1896, No. 463/S.B.

With reference to the accompanying letter No. 3232, dated 10th November 1896, from the Sanitary Engineer to Government, I have the honour to state that having regard to sanitary urgency, I advise the Board to select schemes, in the order given below. I consider the execution of the Tanjore drainage scheme, which embraces only a small portion of the town (although in itself a highly desirable work) should be abandoned during 1897 rather than displace any of the following schemes :—

Negapatam water-supply scheme.	Kumbakónam water-supply scheme.
Cuddapah drainage scheme.	Bezwada " "
Coonoor water-supply scheme.	Ellore " "
Bellary " "	Periyakulam " "
Salem " "	Gudiyáttam " "
Chidambaram " "	

Resolution—

Submitted to Government with reference to rule 15 of the Sanitary Board Rules issued with G.O., No. 1698 L., dated 18th September 1896.

The Board agrees with the Sanitary Commissioner as to the order in which the various schemes should be taken up.

The Sanitary Engineer gives no definite forecast as to the amount of work which he will be able to accomplish in the coming year, but he should proceed as rapidly as the means at his disposal will allow.

(True Extract.)

(Signed) R. PARSONS,
Secretary, Sanitary Board.

To the Secretary to Government, Local and Municipal Department.
" Sanitary Engineer.
" Sanitary Commissioner.

ORDER—No. 252 M., dated 19th February 1897.

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Coonoor water-supply.	Kumbakónam water-supply.
Bellary "	Calicut water-supply.

2. The Sanitary Engineer's attention will be drawn to the remarks of the Sanitary Board in the last paragraph of its resolution read above.

(True Extract.)

Secretary to Government.

To the Sanitary Board.
" the Sanitary Commissioner.
" the Sanitary Engineer.
" all Chairmen of Municipal Councils.
" all Collectors.

Exd. A. Rajtt.

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To the Secretary to Government, Local and Municipal Department.
„ Sanitary Engineer.
„ Sanitary Commissioner.

Exd. P. Seetharam.

L. & M.
1,000—28-10-96.

Local & Munl. (1897) Department.

CURRENT No. 55 M

P.S Order

K.W.

The Sanitary Engineer should proceed with the preparation of the first six schemes given in the Sanitary Commissioner's letter. His attention will be drawn to the remarks of the Sanitary Board in the last paragraph of its resolution read above.

V.R
5/2/97

If the Engr. scheme is not workable it is useless to go on with it at present. We must have the money for it for many years to come. The next schemes to be worked out should be

Cuddapah Drainage
Coonoor Water
Bellary "
Salem "
Kumbakonam "
Calicut "

To All Chairmen of Munl. Councils.
" Collectors.
The Sanitary Board.
" " Commissioner.
" " Engineer.

in the order named

KW
11/2/97

From

The Sanitary Board.

No. 3125

Dated 8-12-96
Received 7-1-97
Registered 7-1-97
Enclosures
Spare copies 2

SUBJECT.

Submitting letters from the Sanitary Engineer and Sanitary Commissioner regarding the drainage and water supply schemes to be taken up during 1897.

a/51/267

BACK PAPERS.

G.O.	No.	Department.	Date.
Fo	1698	L	18-9-96
Fo	1970	h	25-11-95

FURTHER PAPERS.

G.O.	No.	Department.	Date.

LOCAL AND MUNICIPAL DEPARTMENT.

Papers to be read in Proceedings:—

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Current No. of 189 , dated from the

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(From orders)

VR
7/1/97

To

The Sanitary Board ✓6
" Sanitary Commissioner ✓3
" Sanitary Engineer ✓3
All Chairman of Municipal Councils ✓
" Collectors. ✓

Dep. 7/3/97.

Government {1897} of Madras.

LOCAL AND MUNICIPAL.

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Rough Estimate at Rs. 10 *per head.*

	Rs.
(1) Vizianagram water-supply (money for survey now available preparation of scheme ordered in G.O., No. 1025 M., dated 17th June 1896)	5,00,000
(2) Calicut water-supply (G.O., No. 1668, dated 8th November 1894)	2,00,000
(3) Salem water-supply (G.O., Mis. No. 1581 M., dated 1st October 1895)	5,00,000
(4) Guntúr water-supply (G.O., Mis. No. 1684 M., dated 1st October 1896)	2,33,000
(5) Kumbakónam, much wanted	5,00,000
(6) Karúr water-supply (G.O., No. 469 M., dated 19th March 1895)	1,00,000
(7) Erode water-supply (G.O., Mis. No. 1378 M., dated 17th August 1896)	1,25,000
(8) Ellore water-supply (G.O., No. 1629 M., dated 23rd September 1896)	3,00,000
(9) Periyakulam water-supply (G.O., No. 1852 M., dated 3rd December 1894)	1,60,000
(10) Chidambaram water-supply (G.O., No. 509 W., dated 4th March 189[illegible]	2,00,000
Total ...	28,18,000

7. A staff to prepare the above within a year would cost Rs. 1,40,960 and deducting the Sanitary Engineer's pay and Assistant Sanitary Engineer's pay, the balance would be Rs. 1,19,300, or Rs. 9,941 per month, while the staff available for

this work is about Rs. 853-12-0 ÷ 2 = Rs. 426. Government are, however, I believe, able to provide only Rs. 4,00,000 per annum for water and drainage works or for schemes amounting to Rs. 8,00,000 and to overtake this amount of the work, the staff should cost about Rs. 40,000 per annum or deducting again the Sanitary Engineer and Assistant Sanitary Engineer's pay, there would be a balance of Rupees 18,400 per annum, or Rs. 1,533 to which should be added for Sanitary Board's work half the cost of existing staff or Rs. 426, making in all Rs. 1,959 per month.

8. These figures are given to show how very meagre the Sanitary Engineer's staff is for the work to be done, the cost being based on 5 per cent. of the cost of the schemes.

9. I think that the above will be more satisfactory than placing a mere statement of names of towns before the Board, because it really shows what can be expected of this office.

From Surgeon-Lieutenant-Colonel W. G. KING, M.B., C.M., D.P.H., Sanitary Commissioner for Madras, to the Secretary, Sanitary Board, dated Fort St. George, 17th November 1896, No. 463/S.B.

With reference to the accompanying letter No. 3232, dated 10th November 1896, from the Sanitary Engineer to Government, I have the honour to state that having regard to sanitary urgency, I advise the Board to select schemes, in the order given below. I consider the execution of the Tanjore drainage scheme, which embraces only a small portion of the town (although in itself a highly desirable work) should be abandoned during 1897 rather than displace any of the following schemes :—

Negapatam water-supply scheme.	Kumbakónam water-supply scheme.
Cuddapah drainage scheme.	Bezwada " "
Coonoor water-supply scheme.	Ellore " "
Bellary " "	Periyakulam " "
Salem " "	Gudiyáttam " "
Chidambaram " "	

Resolution—

Submitted to Government with reference to rule 15 of the Sanitary Board Rules issued with G.O., No. 1698 L., dated 18th September 1896.

The Board agrees with the Sanitary Commissioner as to the order in which the various schemes should be taken up.

The Sanitary Engineer gives no definite forecast as to the amount of work which he will be able to accomplish in the coming year, but he should proceed as rapidly as the means at his disposal will allow.

(True Extract.)

(Signed) R. PARSONS,
Secretary, Sanitary Board.

To the Secretary to Government, Local and Municipal Department.
" Sanitary Engineer.
" Sanitary Commissioner.

ORDER—No. 252 M., dated 19th February 1897.

The Government does not consider that it will be possible to provide in the near future the requisite funds for the execution of the Negapatam water-supply scheme, which is roughly estimated to cost ten lakhs. The Sanitary Engineer should therefore proceed with the preparation of the following schemes in the order in which they are given :—

Cuddapah drainage.	Salem water-supply.
Coonoor water-supply.	Kumbakónam water-supply.
Bellary "	Calicut water-supply.

2. The Sanitary Engineer's attention will be drawn to the remarks of the Sanitary Board in the last paragraph of its resolution read above.

(True Extract.)

G. S. FORBES,
Secretary to Government.

To the Sanitary Board.
" the Sanitary Commissioner.
" the Sanitary Engineer.
" all Chairmen of Municipal Councils.
" all Collectors.

Exd. A. Baitt.

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READ AGAIN G.O. No. 189 DATED

CURRENT No.

ENCLOSURES TO D. No.

ORDER OF GOVERNMENT

LETTER OF GOVERNMENT

STATEMENT WITH DITTO.

PAPERS NOT FILED UP BEING MEANT FOR DESPATCH IN ORIGINAL.

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