Local & Munl. (189) Departmen

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[Despatch Abstract.]

Drainage — Approving with remarks
the estimate of Rs 33440 for a Scheme
of ~~do~~ for the Tanjore & Fort
Submitted by the Sanitary Board
& ordering the publication in the Fort
St George & Tanjore Dt Gazettes the
application of the Council for Sanction
Draise a loan of Rs 33000 in the
Open market

GOVERNMENT OF MADRAS.

LOCAL AND MUNICIPAL DEPARTMENT.

READ—again the following paper:—

G.O., Mis. No. 2775 M., dated 11th December 1897.

Read—the following papers:—

Proceedings of the Sanitary Board, No. 730-S., dated 26th October 1897.

Read—letter from the Sanitary Engineer to Government, No. 1521, dated 18th September 1897.

Resolution—No. 730-S., dated 26th October 1897.

With his letter read above, the Sanitary Engineer submits plans and estimates for the Tanjore (Fort) drainage improvements. The scheme is described in paragraphs 3 to 8 of the report. It is much cheaper than any other scheme which has been proposed, and if attention be paid to the open drain, it will, in the opinion of the Sanitary Board, prove effective.

2. The total cost is estimated at Rs. 33,440 and, should Government be able to grant half this sum and lend the remainder at $4\frac{1}{4}$ per cent., the annual cost for interest to the Municipality will amount to Rs. 710. To this sum has to be added the cost of permanent establishment, Rs. 60 per mensem. The receipts for the sewage farm are estimated at Rs. 3,300 annually.

3. It would thus appear that the financial prospects are good, and that, under proper management, the scheme is likely to be a source of profit to the Municipality even if the whole capital is borrowed at $4\frac{1}{4}$ per cent.

4. The Sanitary Board accordingly recommends the scheme for the sanction of Government.

(True Extract.)

(Signed) R. PARSONS,
Secretary Sanitary Board.

To the Secretary to Government, Local and Municipal Department.

From J. A. JONES, Esq., MEM. INST. C.E., F.R.S.E., Sanitary Engineer to Government, to the Secretary, Sanitary Board, Chepâk, dated Fort St. George, 18th September 1897, No. 1521.

Circumstances having prevented the programme of work as laid down in G.O., No. 252 M. dated 19th February 1897, being completed owing to the facts given in my No. 1224, dated 16th July 1897, addressed to the Secretary to Government, Local and Municipal Department, and sent through you, I have been able to proceed with the design and estimates for the Tanjore (Fort) drainage improvements, and these I have now the honour to forward with a report on the scheme and other papers and plans as detailed below.

Press Please omit this report and (A) and in its place, print the Sanitary Board's & the report of the Sanitary Engineer, dated 18th Sept. 1897 found in the Original at the place marked B & then continue this Go. in the present form.

ENCLOSURE.

A.

Report on proposed Improvement of Drainage of Tanjore.

The sewage from the Fort at Tanjore is disposed of by delivery on to small farms in or adjacent to the various outlets, and such farms are in or adjacent to the Fort ditch on the north of the town. Sewage farming is not carried out as it ought to be and only a minor part of the sewage is used while the remainder flows by various outlets to tanks to the Vadavar or until lost in the earthen ditch through which it flows. The Sanitary Commissioner having recommended that matters should be put on a proper footing, Government ordered that an estimate of cost be prepared; the Council supplied funds for the necessary levels, &c.

2. The scheme to which the accompanying plan and estimate refer includes—

(1) The alteration and regrading of the drains in East Main street and East Gate street and adjoining streets so that all sewage from this locality and the sewage from the main drain may be carried to the head of one of the intercepting sewers hereafter described.

(2) The construction of two intercepting sewers collecting the sewage from the various existing drains discharging into the Fort ditch.

(3) The provision of a pumping station and delivery main.

(4) The construction of a sewage farm.

3. The population of the Fort at Tanjore is about 20,000. The total drainage provided for is 3,00,000 gallons, one-half flowing off in 6 hours or at the rate of 416 gallons per minute.

The manner in which it is proposed to regrade the street drains near East Gate street is shown in the accompanying section.

The two intercepting sewers with gradients of 1 in 140 (east sewer) and 1 in 190 (west sewer) can discharge 218 gallons and 185 gallons per minute, respectively. This is less than the total amount, but a portion of the sewage will be received at North Gate street opposite the pumping station. The manholes as shown will be built up to above the entrance level of the sewers. The sewers will receive the drainage from the East Main and West Main streets at their upper ends and at their junction from a small area flowing in at North Gate street.

The sewers discharge into a well situated outside the proposed engine house to the north of the Fort ditch. The size of the engines and the cost of the pumping main is dependent on the site of the sewage farm.

If the sewage farm is placed to the east, the lift will be only 12 feet and a gravitation pipe of stoneware 9 " diameter can be used. If the sewage farm is on the west the main will be under pressure and 7 " diameter iron pipe is necessary.

The objection to locating the farm to the east is that the land is flooded on occasions of rainfall and is below the flood levels of the Vadavar. The ordinary flood level of this channel is 131·80, the maximum flood level is 134·74, while the average level of the proposed sewage farm area is 129·00. This, it is believed, is the land proposed for the sewage farm by the Sanitary Commissioner.

The only other suitable area for sewage farming is that to the west on to which the greater portion of the sewage now discharges and is shown on the plans. A large portion of the area is waste land, the remainder irrigable land. It is located so that it can be easily drained and the effluent sent to a branch of the Vadavar.

The area available for the farm on the west is not limited, that to the east cannot exceed 25 acres. It is proposed to take up on the west an area of 40 acres, thus allowing for the sewage at 15 gallons per head of 500 persons per acre; as it is proposed to underdrain the farm, this will be sufficient. It is proposed to place a sewage storage tank at the higher end of the site. A design for this accompanies:—

Estimates.

	RS.
The total of the estimates is—	
Farm to the west	68,400
Do. east	45,700

These might be reduced by the omission of 12″ and 6″ tiles for the main and sub-carriers, earthen channels being alone used, and by the omission of the sub-soil drainage pipes of which I doubt the possible efficacy in this country. If the former are omitted the reduction would amount to Rs. 10,350 in the former and Rs. 4,340 in the latter amount.

4. The plans are self-explanatory of the proposals made.

5. The annual cost to the municipality would depend on the amount of the Government grant and the working charges. The cost of pumping to the farm on the west would be about Rs. 3,000 annually, on the east Rs. 840 annually, and allowing Rs. 1,000 for working the farm in each case—the cost would be (taking the Government grant as 50 per cent.)—

	Rs.
$\frac{68,400}{2}$ × 5·96 per cent.	Rs.
Pumping	= 2,038
Farm	3,000
	1,000
Total	6,038
$\frac{45,700}{2}$ × 5·96 per cent.	= 1,360
Pumping	840
Farm	1,000
Total	3,200

6. Government desired in G.O., Mis. No. 291 M., dated 26th February 1895, that the matter should be considered in consultation with the Municipal Council. After the Sanitary Board has decided as to the plans to be adopted or any modification thereof, these as well as the estimates may be sent to the Municipal Council for remarks.

Order—Mis. No. 2775 M., dated 11th December 1897.

The plans and estimates will be forwarded to the Municipal Council of Tanjore for remarks and for report as to how it proposes to find the required funds for carrying out the work and for meeting the annual expenditure which its execution would involve. The Government is not prepared to make any grant or loan from Provincial funds on account of this work, but would sanction the raising of a loan in the open market.

(True Extract.)

(Signed) H. TREMENHEERE,
Secretary to Government.

To the Chairman, Municipal Council, Tanjore, through the Collector.
„ Sanitary Board.

Read—also the following papers :—

From M.R.Ry. V. APPASWAMI VANDAYAR Avargal, Chairman, Municipal Council, Tanjore, to the Secretary to Government, Local and Municipal Department (through the Collector of Tanjore), dated 15th March 1898, No. 553.

With reference to G.O., Mis. No. 2775 M., dated 11th December 1897, I have the honour to state that the scheme for the drainage improvement of Tanjore Fort was approved *nem-con* by the Council at its meeting held on the 25th February 1898. The Council has also resolved by a large majority that the funds necessary for the purpose be raised by a loan in the open market. I therefore beg to request that the Government will be pleased to accord sanction to the raising of the loan. An extract of the resolution is herein enclosed for information.

No. 2907-Rev.

Submitted to Government in the Local and Municipal Department.

2. A formal application for loan not having been submitted along with the letter, the same was obtained upon further reference and is forwarded herewith.

3. The application provides for repayment of the loan in 30 years. As the council is already indebted to Government to the extent of Rs. 1,89,500, it cannot be expected to repay the proposed loan in 20 years.

(Signed) M. SIVAGNANAM PILLAI,
for *Ag. Collector.*

5*th July* 1898.

Reference No. 879.

The Municipal Council has not reported how it proposes to meet the annual expenditure which the execution of the scheme would involve, as required in G.O., Mis. No. 2775 M., dated 11th December 1897. This omission should be supplied without delay.

2. The rate of interest which the proposed loan is to bear should also be reported.

(Signed) H. TREMENHEERE,
Secretary to Government.

29*th July* 1898.

To the Chairman, Municipal Council, Tanjore
(through the Collector).

From M.R.Ry. V. A. VANDAYAR, Chairman, Municipal Council, Tanjore, to the Secretary to Government, Local and Municipal Department (through the Divisional Officer, Tanjore), dated 27th September 1898, No. 1678.

With reference to your memorandum No. 879, dated 29th July 1898, I have the honour to forward herewith an extract of the Council's Proceedings, dated 14th instant, from which it will be seen that the annual expenditure which the execution of the drainage scheme would involve will be met from the expected profits from the scheme and that the rate of interest on the proposed loan is 4 per cent. per annum.

Ref. C. No. 1986.

Forwarded.

(Signed) C. MURUGESAN,
Deputy Collector.

29*th September* 1898.

Endt. on C. No. 518-Ml.

Forwarded.

(Signed) J. TWIGG,
Ag. Collector.

15*th October* 1898.

Order—No. 2176 M., dated 16th December 1898.

The estimate amounting to Rs. 33,440 for a scheme of drainage for the Tanjore Fort, submitted by the Sanitary Board, is approved.

2. The Public Works Department is requested to put the work in hand as soon as the necessary funds are provided by the Municipal Council.

3. The application for sanction to raise a loan of Rs. 33,000 in the open market, submitted with the Chairman's first letter read above, will be published in the Fort St. George and the Tanjore District Gazettes. After the lapse of one month from the date of its publication, if no valid objections have been taken thereto, the application will be sanctioned.

Statement showing the Revenue and Expenditure of the Tanjore Municipality for three years from 1895-96 to 1897-98—*cont.*

	Actuals, 1895-96.	Actuals, 1896-97.	Actuals, 1897-98.
Expenditure—cont.	Rs.	Rs.	Rs.
GRANT 2—			
Training Schools	51	120	171
Municipal Schools on the Salary Result System	953	987	1,491
Salary Grants	1,664	2,420	2,426
Result Grants	5,069	5,000	5,002
Building, Furniture, &c., Grants	96	420	299
Inspection	374	366	380
Miscellaneous	458	453	448
Total	8,665	9,766	10,217
GRANT 3—			
Hospitals and Dispensaries	3,624	3,647	3,558
Contributions	631	665	649
Vaccination	600	581	343
Registration of Births and Deaths	538	531	543
Conservancy	12,534	14,683	18,361
Total	17,927	20,107	23,454
GRANT 4—			
Lighting	4,079	4,727	5,352
Markets and Slaughter-houses	579	775	202
Travellers' Bungalows	376	176	174
Avenues	335	330	359
Public Gardens, Survey of Land, Clock Tower and other charges	3,118	9,781	6,986
Total	8,487	15,789	13,073
GRANT 5—			
Supervision and Management	7,252	6,402	6,966
Repayment of Debt	6,317	6,317	6,317
Interest on Loan	7,829	7,755	7,517
Advances Recoverable	393	308	347
Refunds	83	68	291
Pensions and Gratuities	105	72	..
Balance	70,722	50,433	36,675
Grand Total	2,12,150	1,66,826	1,45,209

To be substituted for the Government Order of the same number and date.

Government {1898} of Madras.

LOCAL AND MUNICIPAL.

Press
Please strike off (50) copies as revised.
PR
21/12/98

Recd. } 1899. *Enclosures*

Regd. } *Spare copies*

G.O., No. 2176 M., 16th December 1898.

DECEMBER,

Drainage.

Approving, with remarks, the estimate of Rs. 33,440 for a scheme of — for the Tanjore Fort submitted by the Sanitary Board, and ordering the publication in the Fort St. George and Tanjore District Gazettes of the application of the Council for sanction to raise a loan of Rs. 33,000 in the open market.

Statement showing the Revenue and Expenditure of the Tanjore Municipality for three years from 1895-96 to 1897-98—*cont.*

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With his letter read above, the Sanitary Engineer submits plans and estimates for the Tanjore (Fort) drainage improvements. The scheme is described in paragraphs 3 to 8 of the report. It is much cheaper than any other scheme which has been proposed, and if attention be paid to the open drain, it will, in the opinion of the Sanitary Board, prove effective.

2. The total cost is estimated at Rs. 33,440 and, should Government be able to grant half this sum and lend the remainder at 4¼ per cent., the annual cost for interest to the Municipality will amount to Rs. 710. To this sum has to be added the cost of permanent establishment, Rs 60 per mensem. The receipts for the sewage farm are estimated at Rs. 3,300 annually.

3. It would thus appear that the financial prospects are good, and that, under proper management, the scheme is likely to be a source of profit to the Municipality even if the whole capital is borrowed at 4¼ per cent.

4. The Sanitary Board accordingly recommends the scheme for the sanction of Government.

(True Extract.)

(Signed) R. PARSONS,
Secretary Sanitary Board.

To the Secretary to Government, Local and Municipal Department.

From J. A. JONES, Esq., MEM. INST. C.E., F.R.S.E., Sanitary Engineer to Government, to the Secretary, Sanitary Board, Chepâk, dated Fort St. George, 18th September 1897, No. 1521.

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ENCLOSURE.

No. 116 S.

Note the by the President, Sanitary Board.

After perusal of these papers, I am of opinion that a gravitation scheme is feasible, and that even should the filters cost Rs. 30,000, it will be better to adopt them than to incur the constant expense of pumping. I therefore think the scheme should be revised accordingly. The cost of pumping, as given by the Sanitary Engineer, is Rs. 3,000 per annum; this, at 4 per cent., represents a capital outlay of Rs. 75,000, so that if the gravitation scheme costs that sum more than Mr. Jones' scheme, it will still be advisable to adopt it. I think that the 2″ pipe allowed by the Sanitary Engineer will suffice.

(Signed) D. McNEIL CAMPBELL, Col., R.E.,
President, Sanitary Board.

24*th July* 1896.

To the Sanitary Engineer.

Enclosure 2.

The Tanjore (Fort) Drainage Improvement scheme—September 1897.

With reference to the President of the Sanitary Board's note, No.116-S., dated 24th July 1896, the undersigned now forwards plans and estimates for a gravitation scheme for Tanjore Fort. The undersigned has, on several occasions, urged that such a scheme was not feasible and it has become so only by a departure from principles which should find a place in all drainage schemes, one of these being that the gradients of drains and sewers should be such that the velocity is sufficient to keep such drain or sewer self-cleansing; if this departure is allowed, the scheme now put forward can be carried out though it is not one the undersigned would have proposed and it is sent forward in view of the President's note already alluded to.

2. The main intercepting sewer, which will be a 9″ half oval open drain (Burn & Co.'s glazed tiles), will have a grade of 1 in 790 only, for its whole length and this grade cannot be improved; it has only been obtained by omitting any storage tank above the sewage farm; to introduce a storage tank would require the loss of a large portion of the available farm area, which all lies to the west end of the town. The 9″ drain will carry the sewage coming from the east end of the Fort, and this is calculated to amount to 32 cubic feet, or 200 gallons per minute (that is, taking half the sewage as flowing off in six hours). The full discharging capacity of this drain is 37 cubic feet per minute. Its velocity is, however, only 93 feet per minute, or 1½ feet a second, so that it cannot be self-cleansing. On the acceptance of the above arrangement depends the remainder of the scheme which is much cheaper, of course, in every respect than the other schemes put forward, and it, no doubt, will serve Tanjore for years to come if due attention is paid to this open drain; it is kept clean and free from silt.

3. The scheme itself may now be described—

As in former schemes the sewage of the East Main street and its adjoining streets is intercepted where it enters the Fort ditch and here there is an overflow carried to the existing outlet east of East Main street as shown on the plans and sections (sheets 1 and 2). The contributory drains to East Main street drains are dealt with as in former designs, all sewage being brought to East main gate street and being diverted from the Fort ditch.

4. The intercepting sewer will consist of 9″ semi oval (Burn and & Co.'s) glazed tiles, with spigot and faucet joints laid on the top of an embankment passing along the side of the Fort ditch and laid at a grade of 1 in 790. The intercepting sewer at its head receives the sewage of East Main street and no other contributory drain enters until Ranavoical street is reached—here the sewage and storm water of Ranavoical street and part of North Main street will be received and a 30″ built drain (see section on sheet No. 2) will be constructed for a length of 775 feet where it meets the drain from West Main gate street. Thence to the sewage farm there will be a 36″

drain (part of it covered) which will be carried in a direct line to the south-east corner of the proposed sewage farm where it meets the existing storm water and sewage channel near the point, *vide* sheet No. , the main sewage carrier will be taken off and led to the east side of the sewage farm.

5. The total amount of sewage which it is calculated will be received at the sewage farm is 300,000 gallons for 20,000 people, taking 15 gallons a head, half flowing off in 12 hours, the discharge per minute will therefore be 416 (say 420) gallons per minute; of this there will be received by the intercepting sewer 200 gallons at the east end, at Ranavoical street 100 gallons, and at west main street 120 gallons.

6. The area which it is proposed to take up for the farm at present is 10 acres; this portion is shown by red border line (*vide* sheet No. 4).

7. The water-supply to Tanjore at present does not exceed 10 gallons per head daily over the portion supplied, so that the farm would be required to dispose of about $20{,}000 \times 10 = 2{,}00{,}000$ gallons daily, which gives 20,000 gallons or 2,000 people per acre. This is greater than the area in most farms where intermittent filtration is in use in England, and this farm will be very thoroughly under-drained. In any case there is ample room for an extension of the farm, so that there is no harm in beginning with a resonable area.

8. The main carrier passes along the east of the farm and the sub-carriers take off at every 200 feet. The sub-soil drains will be laid 3′ deep, the main sub-soil drain being 3″ in diameter and the subsidiary sub-soil drain 2″ in diameter. The main sub-soil drain will discharge into a deep channel cut along the west of the farm which will be filled with gravel, and through this the clarified water discharged will find its way to the channel by which the storm water passes to the Vadavar—*vide* sheets Nos. 4 and 6. The whole area of the farm will be levelled and graded as shown on sheet No. 5.

9. The total cost as estimated (abstract and detailed estimates herewith) is Rs. 33,440. Should Government be able to grant half the sum and lend the remainder at $4\frac{1}{4}$ per cent., the annual cost for interest to the municipality will not exceed Rs. 690; to this should be added—

	Per month.
	Rs.
Two drain-cleaners (extra), at Rs. 6	= 12
Sewage farm—	
One farm superintendent, at Rs. 20	= 20
Four Distributing coolies, at Rs. 7	= 28

The cost of any other labour engaged from time to time can be set off against the farm receipts which in time ought to be considerable. If the yield amounts to 25 tons* per acre per annum or, in all, 250 tons, this ought to bring in an income of about

$$\frac{250 \times 2{,}240 \text{ lb.} \times \text{As. } 8}{100 \text{ lb.}} = \text{Rs. } 3{,}300 \text{ annually.}$$

* Madras yield = $29\frac{1}{2}$ tons.

10. If the farm is properly worked and sufficient sewage received there will be a gain to the Municipality by the execution of the work even if the whole money for the scheme has to be borrowed at $4\frac{1}{4}$ per cent., presuming of course that a ready sale can be had for the grass as is the case in Madras.

FORT ST. GEORGE,
18*th September* 1897.

(Signed) J. A. JONES,
Sanitary Engineer to Government.

Order—Mis. No. 2775 M., dated 11th December 1897.

The plans and estimates will be forwarded to the Municipal Council of Tanjore for remarks and for report as to how it proposes to find the required funds for carrying out the work and for meeting the annual expenditure which its execution would involve. The Government is not prepared to make any grant or loan from Provincial funds on account of this work, but would sanction the raising of a loan in the open market.

(True Extract.)

(Signed) H. TREMENHEERE,
Secretary to Government.

To the Chairman, Municipal Council, Tanjore, through the Collector.
„ Sanitary Board.

READ—also the following papers:—

From M.R.Ry. V. ~~APPASWAMI~~ VANDAYAR Avargal, Chairman, Municipal Council, Tanjore, to the Secretary to Government, Local and Municipal Department (through the Collector of Tanjore), dated 15th March 1898, No. 553.

With reference to G.O., Mis. No. 2775 M., dated 11th December 1897, I have the honour to state that the scheme for the drainage improvement of Tanjore Fort was approved *nem-con* by the Council at its meeting held on the 25th February 1898. The Council has also resolved by a large majority that the funds necessary for the purpose be raised by a loan in the open market. I therefore beg to request that the Government will be pleased to accord sanction to the raising of the loan. An extract of the resolution is herein enclosed for information.

No. 2907-Rev.

Submitted to Government in the Local and Municipal Department.

2. A formal application for loan not having been submitted along with the letter, the same was obtained upon further reference and is forwarded herewith.

3. The application provides for repayment of the loan in 30 years. As the council is already indebted to Government to the extent of Rs. 1,89,500, it cannot be expected to repay the proposed loan in 20 years.

(Signed) M. SIVAGNANAM PILLAI,
for *Ag. Collector.*

5th July 1898.

Reference No. 879.

The Municipal Council has not reported how it proposes to meet the annual expenditure which the execution of the scheme would involve, as required in G.O., Mis. No. 2775 M., dated 11th December 1897. This omission should be supplied without delay.

2. The rate of interest which the proposed loan is to bear should also be reported.

(Signed) H. TREMENHEERE,
Secretary to Government.

29th July 1898.

To the Chairman, Municipal Council, Tanjore
(through the Collector).

From M.R Ry. V. ~~APPASWAMI~~ VANDAYAR, Chairman, Municipal Council, Tanjore, to the Secretary to Government, Local and Municipal Department (through the Divisional Officer, Tanjore), dated 27th September 1898, No. 1678.

With reference to your memorandum No. 879, dated 29th July 1898, I have the honour to forward herewith an extract of the Council's Proceedings, dated 14th instant, from which it will be seen that the annual expenditure which the execution of the drainage scheme would involve will be met from the expected profits from the scheme and that the rate of interest on the proposed loan is 4 per cent. per annum.

Ref. C. No. 1986.

Forwarded.

29th September 1898. (Signed) C. MURUGESAN,
Deputy Collector.

Endt. on C. No. 518-Ml.

Forwarded.

15th October 1898. (Signed) J. TWIGG,
Ag. Collector.

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The estimate amounting to Rs. 33,440 for a scheme of drainage for the Tanjore Fort, submitted by the Sanitary Board, is approved.

2. The Public Works Department is requested to put the work in hand as soon as the necessary funds are provided by the Municipal Council.

3. The application for sanction to raise a loan of Rs. 33,000 in the open market, submitted with the Chairman's first letter read above, will be published in the Fort St. George and the Tanjore District Gazettes. After the lapse of one month from the date of its publication, if no valid objections have been taken thereto, the application will be sanctioned.

4. The Collector is requested to report the date of publication of the application in the District Gazette.

(True Extract.)

for *Secretary to Government.*

To the Chairman, Municipal Council, Tanjore
" Collector of Tanjore.
" Sanitary Board.
" Public Works Department.
Gazette.

Ed. C. M. Thumbuswamy.

[Annexure.

ANNEXURE.

APPLICATION for loan by the Municipal Council of Tanjore for improving the drainage of the Tanjore Fort and for opening a sewage farm in connection with it.

The work or works for the construction or repair of which the loan is required and an estimate of the cost thereof.	The amount which it is proposed to borrow.	The fund or funds on the security of which it is proposed to borrow.	The law or laws under which the said fund or funds is or are levied, received or held.	The dates between which the money borrowed is to be received.	The term of years for which the money is to be borrowed, the instalments, if any, in which it is to be repaid, and the amount of sinking fund, if any, provided for its repayment.	A detailed account of the revenue and expenditure of the local authority for the last three preceding years.	All existing prior charges upon the funds of the local authority.
Improvement of the drainage of the Tanjore Fort and the opening of a sewage farm in connection with it, estimated to cost Rs. 33,440.	Rs. 33,000	Tanjore Municipal fund.	The Madras District Municipalities Act IV of 1884 as amended by Act III of 1897.	Between October 1898 to 31st March 1899.	The term of years for which the money is to be borrowed is 30 years. The principal will be repaid in 25 annual instalments beginning from 1st April 1905 of Rs. 1,320 each.	Attached herewith.	Rs. 1,89,500 at 4½ per cent. borrowed from Government and repayable in 30 annual instalments beginning from the year 1895.

STATEMENT showing the Revenue and Expenditure of the Tanjore Municipality for three years from 1895-96 to 1897-98.

	Actuals, 1895-96.	Actuals, 1896-97.	Actuals, 1897-98.
Receipts.	Rs.	Rs.	Rs.
Balance brought forward	1,21,454	70,722	50,433
Tax on Arts	12,478	10,823	8,129
,, on Buildings and Lands	24,792	21,892	25,658
Water-tax on Buildings and Lands	10,350	12,178	13,717
Tax on Vehicles and Animals	3,862	3,720	3,529
,, on Carts	2,410	2,300	2,124
Tolls	16,806	17,027	17,024
Realizations under Special Acts	65	125	110
Rent of Lands, Buildings, &c., and Sale-proceeds of Lands, &c.	3,902	3,468	2,770
Conservancy Receipts	2,231	2,242	2,232
Fees and Revenue from Educational Institutions	14	26	20
,, ,, from Medical Institutions	..	28	..
Income from Markets and Slaughter-houses	7,349	9,097	9,606
License Fees	887	856	849
Other Fees	1,538	1,959	1,705
Fines under Municipal and other Acts	1,546	386	624
Interest on Investments and premium on Loans	98	49	147
Grants and Contributions from Government	237	230	325
Recoveries for Services to Private Individuals	1,450	7,187	5,714
Miscellaneous	380	995	179
Loans	..	..	..
Advances Recovered	301	1,516	314
Total	2,12,150	1,66,526	1,45,209
Expenditure.			
GRANT I—			
New Works—			
Communications	1,369	2,555	1,449
Buildings	1,074	3,462	921
Drainage	1,662	1,076	1,403
Water-supply	54,978	12,041	3,919
Miscellaneous	911	1,272	415
Repairs—			
Communications	9,405	6,268	10,341
Buildings	997	1,323	1,691
Drainage	3,949	3,460	3,066
Water-supply	9,188	17,425	16,369
Establishment	787	801	801
Tools and Plant and other Stores	50	96	37
Total	84,370	49,779	40,412

Statement showing the Revenue and Expenditure of the Tanjore Municipality for three years from 1895-96 to 1897-98—*cont.*

	Actuals, 1895-96.	Actuals, 1896-97.	Actuals, 1897-98.
Expenditure—cont.			
GRANT 2—	RS.	RS.	RS.
Training Schools	51	120	171
Municipal Schools on the Salary Result System	953	987	1,491
Salary Grants	1,664	2,420	2,426
Result Grants	5,069	5,000	5,002
Building, Furniture, &c., Grants	96	420	299
Inspection	374	366	380
Miscellaneous	458	453	448
Total	8,665	9,766	10,217
GRANT 3—			
Hospitals and Dispensaries	3,624	3,647	3,558
Contributions	631	665	649
Vaccination	600	581	343
Registration of Births and Deaths	538	531	543
Conservancy	12,534	14,683	18,361
Total	17,927	20,107	23,454
GRANT 4—			
Lighting	4,079	4,727	5,352
Markets and Slaughter-houses	579	775	202
Travellers' Bungalows	376	176	174
Avenues	335	330	359
Public Gardens, Survey of Land, Clock Tower and other charges	3,118	9,781	6,986
Total	8,487	15,789	13,073
GRANT 5—			
Supervision and Management	7,252	6,402	6,906
Repayment of Debt	6,317	6,317	6,317
Interest on Loan	7,829	7,785	7,517
Advances Recoverable	393	308	347
Refunds	83	68	291
Pensions and Gratuities	105	72	..
Balance	70,722	50,433	36,675
Grand Total	2,12,150	1,66,826	1,45,209

To be substituted for the Government Order of the number and date.

Government {1898} of Madras.

LOCAL AND MUNICIPAL.

Recd. } 1899. *Enclosures*

Regd. } *Spare copies*

G.O., No. 2176 M., 16th December 1898.

DECEMBER.

Drainage.

Approving, with remarks, the estimate of Rs. 33,440 for a scheme of — for the Tanjore Fort submitted by the Sanitary Board, and ordering the publication in the Fort St. George and Tanjore District Gazettes of the application of the Council for sanction to raise a loan of Rs. 33,000 in the open market.

GOVERNMENT OF MADRAS.

LOCAL AND MUNICIPAL DEPARTMENT.

Read—again the following paper :—

G.O., Mis. No. 2775 M., dated 11th December 1897.

Read—the following paper :—

Proceedings of the Sanitary Board, No. 730-S., dated 26th October 1897.

Read—letter from J. A. JONES, Esq., MEM. INST. C.E., F.R.S.E., Sanitary Engineer to Government, to the Secretary, Sanitary Board, Chepâk, dated Fort St. George, 18th September 1897, No. 1521.

Circumstances having prevented the programme of work as laid down in G.O., No. 252 M., dated 19th February 1897, being completed owing to the facts given in my No. 1224, dated 16th July 1897, addressed to the Secretary to Government, Local and Municipal Department, and sent through you, I have been able to proceed with the design and estimates for the Tanjore (Fort) drainage improvements, and these I have now the honour to forward with a report on the scheme and other papers and plans as detailed below.

ENCLOSURE.

The Tanjore (Fort) Drainage Improvement scheme—September 1897.

With reference to the President of the Sanitary Board's note, No.116-S., dated 24th July 1896, the undersigned now forwards plans and estimates for a gravitation scheme for Tanjore Fort. The undersigned has, on several occasions, urged that such a scheme was not feasible and it has become so only by a departure from principles which should find a place in all drainage schemes, one of these being that the gradients of drains and sewers should be such that the velocity is sufficient to keep such drain or sewer self-cleansing. If this departure is allowed, the scheme now put forward can be carried out though it is not one the undersigned would have proposed and it is sent forward in view of the President's note already alluded to.

2. The main intercepting sewer, which will be a 9″ half oval open drain (Burn & Co.'s glazed tiles), will have a grade of 1 in 790 only for its whole length and this grade cannot be improved. It has only been obtained by omitting any storage tank above the sewage farm. To introduce a storage tank would require the loss of a large portion of the available farm area, which all lies to the west end of the town. The 9″ drain will carry the sewage coming from the east end of the Fort, and this is calculated to amount to 32 cubic feet, or 200 gallons per minute (that is, taking half the sewage as flowing off in six hours). The full discharging capacity of this drain is 37 cubic feet per minute. Its velocity is, however, only 93 feet per minute, or $1\frac{1}{2}$ feet a second, so that it cannot be self-cleansing. On the acceptance of the above arrangement depends the remainder of the scheme which is much cheaper, of course, in every respect than the other schemes put forward, and it no doubt will serve Tanjore for years to come if due attention is paid to this open drain and it is kept clean and free from silt.

3. The scheme itself may now be described—

As in former schemes the sewage of the East Main street and its adjoining streets is intercepted where it enters the Fort ditch and here there is an overflow carried to the existing outlet east of East Main street as shown on the plans and sections (sheets 1 and 2). The contributory drains to East Main street drains are dealt with as in former designs, all sewage being brought to East main gate street and being diverted from the Fort ditch.

4. The intercepting sewer will consist of 9″ semi oval (Burn and & Co.'s) glazed tiles, with spigot and faucet joints laid on the top of an embankment passing along the side of the Fort ditch and laid at a grade of 1 in 790. The intercepting sewer at its head receives the sewage of East Main street and no other contributory drain enters until Ranavoical street is reached—here the sewage and storm water of Ranavoical street and part of North Main street will be received and a 30″ built drain (see section on sheet No. 2) will be constructed for a length of 775 feet where it meets the drain from West Main gate street. Thence to the sewage farm there will be a 36″ drain (part of it covered) which will be carried in a direct line to the south-east corner of the proposed sewage farm where it meets the existing storm water and sewage channel. The main sewage carrier will be taken off and led to the east side of the sewage farm.

5. The total amount of sewage which it is calculated will be received at the sewage farm is 300,000 gallons for 20,000 people, taking 15 gallons a head, half flowing off in 12 hours. The discharge per minute will therefore be 416 (say 420) gallons per minute. Of this there will be received by the intercepting sewer 200 gallons at the east end, at Ranavoical street 100 gallons, and at west main street 120 gallons.

6. The area which it is proposed to take up for the farm at present is 10 acres; this portion is shown by red border line (*vide* sheet No. 4).

7. The water-supply to Tanjore at present does not exceed 10 gallons per head daily over the portion supplied, so that the farm would be required to dispose of about $20{,}000 \times 10 = 2{,}00{,}000$ gallons daily, which gives 20,000 gallons or 2,000 people per acre. This is greater than the area in most farms where intermittent filtration is in use in England, and this farm will be very thoroughly under-drained. In any case there is ample room for an extension of the farm, so that there is no harm in beginning with a resonable area.

8. The main carrier passes along the east of the farm and the sub-carriers take off at every 200 feet. The sub-soil drains will be laid 3 feet deep, the main sub-soil drain being 3″ in diameter and the subsidiary sub-soil drain 2″ in diameter. The main sub-soil drain will discharge into a deep channel cut along the west of the farm which will be filled with gravel, and through this the clarified water discharged will find its way to the channel by which the storm water passes to the Vadavar—*vide* sheets 4 and 6. The whole area of the farm will be levelled and graded as shown on sheet No. 5.

9. The total cost as estimated (abstract and detailed estimates herewith) is Rs. 33,440. Should Government be able to grant half the sum and lend the remainder at $4\frac{1}{4}$ per cent., the annual cost for interest to the municipality will not exceed Rs. 690; to this should be added—

	Per month.
	RS.
Two drain-cleaners (extra), at Rs. 6	= 12
Sewage farm—	
One farm superintendent, at Rs. 20	= 20
Four Distributing coolies, at Rs. 7	= 28

The cost of any other labour engaged from time to time can be set off against the farm receipts which in time ought to be considerable. If the yield amounts to 25 tons * per acre per annum or, in all, 250 tons, this ought to bring in an income of about

$$\frac{250 \times 2{,}240 \text{ lb.} \times \text{As. } 8}{100 \text{ lb.}} = \text{Rs. } 3{,}300 \text{ annually.}$$

* Madras yield = $29\frac{1}{2}$ tons.

10. If the farm is properly worked and sufficient sewage received there will be a gain to the Municipality by the execution of the work even if the whole money for the scheme has to be borrowed at 4¼ per cent., presuming of course that a ready sale can be had for the grass as is the case in Madras.

FORT ST. GEORGE,
18*th September* 1897.

(Signed) J. A. JONES,
Sanitary Engineer to Government.

Resolution—No. 730-S., dated 26th October 1897.

With his letter read above, the Sanitary Engineer submits plans and estimates for the Tanjore (Fort) drainage improvements. The scheme is described in paragraphs 3 to 8 of the report. It is much cheaper than any other scheme which has been proposed, and if attention be paid to the open drain, it will, in the opinion of the Sanitary Board, prove effective.

2. The total cost is estimated at Rs. 33,440 and, should Government be able to grant half this sum and lend the remainder at 4¼ per cent., the annual cost for interest to the Municipality will amount to Rs. 710. To this sum has to be added the cost of permanent establishment, Rs 60 per mensem. The receipts for the sewage farm are estimated at Rs. 3,300 annually.

3. It would thus appear that the financial prospects are good, and that, under proper management, the scheme is likely to be a source of profit to the Municipality even if the whole capital is borrowed at 4¼ per cent.

4. The Sanitary Board accordingly recommends the scheme for the sanction of Government.

(True Extract.)

(Signed) R. PARSONS,
Secretary Sanitary Board.

To the Secretary to Government, Local and Municipal Department.

Order—Mis. No. 2775 M., dated 11th December 1897.

The plans and estimates will be forwarded to the Municipal Council of Tanjore for remarks and for report as to how it proposes to find the required funds for carrying out the work and for meeting the annual expenditure which its execution would involve. The Government is not prepared to make any grant or loan from Provincial funds on account of this work, but would sanction the raising of a loan in the open market.

(True Extract.)

(Signed) H. TREMENHEERE,
Secretary to Government.

To the Chairman, Municipal Council, Tanjore, through the Collector.
„ Sanitary Board.

READ—also the following papers :—

From M.R.Ry. V. A. VANDAYAR Avargal, Chairman, Municipal Council, Tanjore, to the Secretary to Government, Local and Municipal Department (through the Collector of Tanjore), dated 15th March 1898, No. 553.

With reference to G.O., Mis. No. 2775 M., dated 11th December 1897, I have the honour to state that the scheme for the drainage improvement of Tanjore Fort was approved *nem-con* by the Council at its meeting held on the 25th February 1898.

The Council has also resolved by a large majority that the funds necessary for the purpose be raised by a loan in the open market. I therefore beg to request that the Government will be pleased to accord sanction to the raising of the loan. An extract of the resolution is herein enclosed for information.

No. 2907-Rev.

Submitted to Government in the Local and Municipal Department.

2. A formal application for loan not having been submitted along with the letter, the same was obtained upon further reference and is forwarded herewith.

3. The application provides for repayment of the loan in 30 years. As the council is already indebted to Government to the extent of Rs. 1,89,500, it cannot be expected to repay the proposed loan in 20 years.

(Signed) M. SIVAGNANAM PILLAI,
for *Ag. Collector*.

5*th July* 1898.

Reference No. 879.

The Municipal Council has not reported how it proposes to meet the annual expenditure which the execution of the scheme would involve, as required in G.O., Mis. No. 2775 M., dated 11th December 1897. This omission should be supplied without delay.

2. The rate of interest which the proposed loan is to bear should also be reported.

(Signed) H. TREMENHEERE,
Secretary to Government.

29*th July* 1898.

To the Chairman, Municipal Council, Tanjore
(through the Collector).

From M.R.Ry. V. A. VANDAYAR Avargal, Chairman, Municipal Council, Tanjore, to the Secretary to Government, Local and Municipal Department (through the Divisional Officer, Tanjore), dated 27th September 1898, No. 1678.

With reference to your memorandum No. 879, dated 29th July 1898, I have the honour to forward herewith an extract of the Council's Proceedings, dated 14th instant, from which it will be seen that the annual expenditure which the execution of the drainage scheme would involve will be met from the expected profits from the scheme and that the rate of interest on the proposed loan is 4 per cent. per annum.

Ref. C. No. 1986.

Forwarded.

(Signed) C. MURUGESAN,
Deputy Collector.

29*th September* 1898.

Endt. on C. No. 518-Ml.

Forwarded.

(Signed) J. TWIGG,
Ag. Collector.

15*th October* 1898.

ORDER—No. 2176 M., dated 16th December 1898.

The estimate amounting to Rs. 33,440 for a scheme of drainage for the Tanjore Fort, submitted by the Sanitary Board, is approved.

2. The Public Works Department is requested to put the work in hand as soon as the necessary funds are provided by the Municipal Council.

3. The application for sanction to raise a loan of Rs. 33,000 in the open market, submitted with the Chairman's first letter read above, will be published in the Fort St. George and the Tanjore District Gazettes. After the lapse of one month from the date of its publication, if no valid objections have been taken thereto, the application will be sanctioned.

4. The Collector is requested to report the date of publication of the application in the District Gazette.

(True Extract.)

H. TREMENHEERE,
Secretary to Government.

To the Chairman, Municipal Council, Tanjore.
" Collector of Tanjore.
" Sanitary Board.
" Public Works Department.
Gazette.

[Annexure.

Exd. C. M. Thumbuswamy.

ANNEXURE.

APPLICATION for loan by the Municipal Council of Tanjore for improving the drainage of the Tanjore Fort and for opening a sewage farm in connection with it.

The work or works for the construction or repair of which the loan is required and an estimate of the cost thereof.	The amount which it is proposed to borrow.	The fund or funds on the security of which it is proposed to borrow.	The law or laws under which the said fund or funds is or are levied, received or held.	The dates between which the money borrowed is to be received.	The term of years for which the money is to be borrowed, the instalments, if any, in which it is to be repaid, and the amount of sinking fund, if any, provided for its repayment.	A detailed account of the revenue and expenditure of the local authority for the last three preceding years.	All existing prior charges upon the funds of the local authority.
Improvement of the drainage of the Tanjore Fort and the opening of a sewage farm in connection with it, estimated to cost Rs. 33,440.	Rs. 33,000	Tanjore Municipal fund.	The Madras District Municipalities Act IV of 1884 as amended by Act III of 1897.	Between October 1898 to 31st March 1899.	The term of years for which the money is to be borrowed is 30 years. The principal will be repaid in 25 annual instalments beginning from 1st April 1905 of Rs. 1,320 each.	Attached herewith.	Rs. 1,89,500 at 4½ per cent. borrowed from Government and repayable in 30 annual instalments beginning from the year 1895.

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Balance	70,722	50,433	36,675
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Government {1898} of Madras.

LOCAL AND MUNICIPAL.

Proof for approval.

Recd. } 1899. *Enclosures*

Regd. } *Spare copies*

G.O., No. 2176 M., 16th December 1898.

DECEMBER.

Drainage.

Approving, with remarks, the estimate of Rs. 33,440 for a scheme of — for the Tanjore Fort submitted by the Sanitary Board, and ordering the publication in the Fort St. George and Tanjore District Gazettes of the application of the Council for sanction to raise a loan of Rs. 33,000 in the open market.

GOVERNMENT OF MADRAS.

LOCAL AND MUNICIPAL DEPARTMENT.

READ—again the following paper:—

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Read—the following papers:—

Proceedings of the Sanitary Board, No. 730-S., dated 26th October 1897.

Read—letter from the Sanitary Engineer to Government, No. 1521, dated 18th September 1897.

Resolution—No. 730-S., dated 26th October 1897.

With his letter read above, the Sanitary Engineer submits plans and estimates for the Tanjore (Fort) drainage improvements. The scheme is described in paragraphs 3 to 8 of the report. It is much cheaper than any other scheme which has been proposed, and if attention be paid to the open drain, it will, in the opinion of the Sanitary Board, prove effective.

2. The total cost is estimated at Rs. 33,440 and, should Government be able to grant half this sum and lend the remainder at 4¼ per cent., the annual cost for interest to the Municipality will amount to Rs. 710. To this sum has to be added the cost of permanent establishment, Rs. 60 per mensem. The receipts for the sewage farm are estimated at Rs. 3,300 annually.

3. It would thus appear that the financial prospects are good, and that, under proper management, the scheme is likely to be a source of profit to the Municipality even if the whole capital is borrowed at 4¼ per cent.

4. The Sanitary Board accordingly recommends the scheme for the sanction of Government.

(True Extract.)

(Signed) R. PARSONS,
Secretary Sanitary Board.

To the Secretary to Government, Local and Municipal Department.

From J. A. JONES, Esq., MEM. INST. C.E., F.R.S.E., Sanitary Engineer to Government, to the Secretary, Sanitary Board, Chepâk, dated Fort St. George, 18th September 1897, No. 1521.

Circumstances having prevented the programme of work as laid down in G.O., No. 252 M. dated 19th February 1897, being completed owing to the facts given in my No. 1224, dated 16th July 1897, addressed to the Secretary to Government, Local and Municipal Department, and sent through you, I have been able to proceed with the design and estimates for the Tanjore (Fort) drainage improvements, and these I have now the honour to forward with a report on the scheme and other papers and plans as detailed below.

ENCLOSURE.

Report on proposed Improvement of Drainage of Tanjore.

The sewage from the Fort at Tanjore is disposed of by delivery on to small farms in or adjacent to the various outlets, and such farms are in or adjacent to the Fort ditch on the north of the town. Sewage farming is not carried out as it ought to be and only a minor part of the sewage is used while the remainder flows by various outlets to tanks to the Vadavar or until lost in the earthen ditch through which it flows. The Sanitary Commissioner having recommended that matters should be put on a proper footing, Government ordered that an estimate of cost be prepared; the Council supplied funds for the necessary levels, &c.

2. The scheme to which the accompanying plan and estimate refer includes—

(1) The alteration and regrading of the drains in East Main street and East Gate street and adjoining streets so that all sewage from this locality and the sewage from the main drain may be carried to the head of one of the intercepting sewers hereafter described.

(2) The construction of two intercepting sewers collecting the sewage from the various existing drains discharging into the Fort ditch.

(3) The provision of a pumping station and delivery main.

(4) The construction of a sewage farm.

3. The population of the Fort at Tanjore is about 20,000. The total drainage provided for is 3,00,000 gallons, one-half flowing off in 6 hours or at the rate of 416 gallons per minute.

The manner in which it is proposed to regrade the street drains near East Gate street is shown in the accompanying section.

The two intercepting sewers with gradients of 1 in 140 (east sewer) and 1 in 190 (west sewer) can discharge 218 gallons and 185 gallons per minute, respectively. This is less than the total amount, but a portion of the sewage will be received at North Gate street opposite the pumping station. The manholes as shown will be built up to above the entrance level of the sewers. The sewers will receive the drainage from the East Main and West Main streets at their upper ends and at their junction from a small area flowing in at North Gate street.

The sewers discharge into a well situated outside the proposed engine house to the north of the Fort ditch. The size of the engines and the cost of the pumping main is dependent on the site of the sewage farm.

If the sewage farm is placed to the east, the lift will be only 12 feet and a gravitation pipe of stoneware 9 " diameter can be used. If the sewage farm is on the west the main will be under pressure and 7 " diameter iron pipe is necessary.

The objection to locating the farm to the east is that the land is flooded on occasions of rainfall and is below the flood levels of the Vadavar. The ordinary flood level of this channel is 131·80, the maximum flood level is 134·74, while the average level of the proposed sewage farm area is 129·00. This, it is believed, is the land proposed for the sewage farm by the Sanitary Commissioner.

The only other suitable area for sewage farming is that to the west on to which the greater portion of the sewage now discharges and is shown on the plans. A large portion of the area is waste land, the remainder irrigable land. It is located so that it can be easily drained and the effluent sent to a branch of the Vadavar.

The area available for the farm on the west is not limited, that to the east cannot exceed 25 acres. It is proposed to take up on the west an area of 40 acres, thus allowing for the sewage at 15 gallons per head of 500 persons per acre; as it is proposed to underdrain the farm, this will be sufficient. It is proposed to place a sewage storage tank at the higher end of the site. A design for this accompanies:—

Estimates.

	Rs.
The total of the estimates is—	
Farm to the west	68,400
Do. east	45,700

These might be reduced by the omission of 12″ and 6″ tiles for the main and sub-carriers, earthen channels being alone used, and by the omission of the sub-soil drainage pipes of which I doubt the possible efficacy in this country. If the former are omitted the reduction would amount to Rs. 10,350 in the former and Rs. 4,340 in the latter amount.

4. The plans are self-explanatory of the proposals made.

5. The annual cost to the municipality would depend on the amount of the Government grant and the working charges. The cost of pumping to the farm on the west would be about Rs. 3,000 annually, on the east Rs. 840 annually, and allowing Rs. 1,000 for working the farm in each case—the cost would be (taking the Government grant as 50 per cent.)—

	Rs.
$\frac{68,400}{2}$ × 5·96 per cent. .. .. =	2,038
Pumping	3,000
Farm	1,000
Total ..	6,038
$\frac{45,700}{2}$ × 5·96 per cent. .. .. =	1,360
Pumping	840
Farm	1,000
Total ..	3,200

6. Government desired in G.O., Mis. No. 291 M., dated 26th February 1895, that the matter should be considered in consultation with the Municipal Council. After the Sanitary Board has decided as to the plans to be adopted or any modification thereof, these as well as the estimates may be sent to the Municipal Council for remarks.

Order—Mis. No. 2775 M., dated 11th December 1897.

The plans and estimates will be forwarded to the Municipal Council of Tanjore for remarks and for report as to how it proposes to find the required funds for carrying out the work and for meeting the annual expenditure which its execution would involve. The Government is not prepared to make any grant or loan from Provincial funds on account of this work, but would sanction the raising of a loan in the open market.

(True Extract.)

(Signed) H. TREMENHEERE,
Secretary to Government.

To the Chairman, Municipal Council, Tanjore, through the Collector.
„ Sanitary Board.

READ—also the following papers :—

From M.R.Ry. V. APPASAMI VANDYAR Avargal, Chairman, Municipal Council, Tanjore, to the Secretary to Government, Local and Municipal Department (through the Collector of Tanjore), dated 15th March 1898, No. 553.

With reference to G.O., Mis. No. 2775 M., dated 11th December 1897, I have the honour to state that the scheme for the drainage improvement of Tanjore Fort was approved *nem-con* by the Council at its meeting held on the 25th February 1898. The Council has also resolved by a large majority that the funds necessary for the purpose be raised by a loan in the open market. I therefore beg to request that the Government will be pleased to accord sanction to the raising of the loan. An extract of the resolution is herein enclosed for information.

No. 2907-Rev.

Submitted to Government in the Local and Municipal Department.

2. A formal application for loan not having been submitted along with the letter, the same was obtained upon further reference and is forwarded herewith.

3. The application provides for repayment of the loan in 30 years. As the council is already indebted to Government to the extent of Rs. 1,89,500, it cannot be expected to repay the proposed loan in 20 years.

(Signed) M. SIVAGNANAM PILLAI,
5th July 1898. for *Ag. Collector.*

Reference No. 879.

The Municipal Council has not reported how it proposes to meet the annual expenditure which the execution of the scheme would involve, as required in G.O., Mis. No. 2775 M., dated 11th December 1897. This omission should be supplied without delay.

2. The rate of interest which the proposed loan is to bear should also be reported.

(Signed) H. TREMENHEERE,
29th July 1898. *Secretary to Government.*

To the Chairman, Municipal Council, Tanjore,
(through the Collector).

From M.R Ry. V. A. VANDYAR, Chairman, Municipal Council, Tanjore, to the Secretary to Government, Local and Municipal Department (through the Divisional Officer, Tanjore), dated 27th September 1898, No. 1678.

With reference to your memorandum No. 879, dated 29th July 1898, I have the honour to forward herewith an extract of the Council's Proceedings, dated 14th instant, from which it will be seen that the annual expenditure which the execution of the drainage scheme would involve will be met from the expected profits from the scheme and that the rate of interest on the proposed loan is 4 per cent. per annum.

Ref. C. No. 1986.

Forwarded.

(Signed) C. MURUGASEN,
29th September 1898. *Deputy Collector.*

Endt. on C. No. 518-Ml.

Forwarded.

(Signed) J. TWIGG,
15th October 1898. *Ag. Collector.*

ORDER—No. 2176 M., dated 16th December 1898.

The estimate, amounting to Rs. 33,440, for a scheme of drainage for the Tanjore Fort, submitted by the Sanitary Board, is approved.

2. The Public Works Department is requested to put the work in hand, as soon as the necessary funds are provided by the Municipal Council.

3. The application for sanction to raise a loan of Rs. 33,000 in the open market, submitted with the Chairman's first letter read above, will be published in the Fort St. George and the Tanjore District Gazettes. After the lapse of one month from the date of its publication, if no valid objections have been taken thereto, the application will be sanctioned.

4. The Collector is requested to report the date of publication of the application in the District Gazette.

(True Extract.)

for *Secretary to Government*

To the Chairman, Municipal Council, Tanjore.
" Collector of Tanjore.
" Sanitary Board.
" Public Works Department.
Gazette.

Ed. C. M. Thumbuswamy

[Annexure.

ANNEXURE.

APPLICATION for loan by the Municipal Council of Tanjore for improving the drainage of the Tanjore Fort and for opening a sewage farm in connection with it.

1. The work or works for the construction or repair of which the loan is required and an estimate of the cost thereof.	1. Improvement of the drainage of the Tanjore Fort and the opening of a sewage farm in connection with it, estimated to cost Rs. 33,440.
2. The amount which it is proposed to borrow.	2. Rs. 33,000.
3. The fund or funds on the security of which it is proposed to borrow.	3. Tanjore Municipal fund.
4. The law or laws under which the said fund or funds is or are levied, received or held.	4. The Madras District Municipalities Act IV of 1884 as amended by Act III of 1897.
5. The dates between which the money borrowed is to be received.	5. Between October 1898 to 31st March 1899.
6. The term of years for which the money is to be borrowed, the instalments, if any, in which it is to be repaid, and the amount of sinking fund, if any, provided for its repayment.	6. The term of years for which the money is to be borrowed is 30 years. The principal will be repaid in 25 annual instalments beginning from 1st April 1905 of Rs. 1,320 each.
7. A detailed account of the revenue expenditure of the local authority for the last three preceding years.	7. Attached herewith.
8. All existing prior charges upon the funds of the local authority.	8. Rs. 1,89,500 at $4\frac{1}{4}$ per cent. borrowed from Government and repayable in 30 annual instalments beginning from the year 1895.

ENCLOSURE.

STATEMENT showing the Revenue and Expenditure of the Tanjore Municipality for three years from 1895–96 to 1897–98.

—	Actuals, 1895–96.	Actuals, 1896–97.	Actuals, 1897–98.
Receipts.	Rs.	Rs.	Rs.
Balance brought forward	1,21,454	70,722	50,433
Tax on Arts	12,478	10,823	8,129
" on Buildings and Lands	24,792	21,892	25,658
Water-tax on Buildings and Lands	10,350	12,178	13,717
Tax on Vehicles and Animals	3,862	3,720	3,529
" on Carts	2,410	2,300	2,124
Tolls	16,806	17,027	17,024
Realizations under Special Acts	65	125	110
Rent of Lands, Buildings, &c., and Sale-proceeds of Lands, &c.	3,902	3,468	2,770
Conservancy Receipts	2,231	2,242	2,232
Fees and Revenue from Educational Institutions	14	26	20
" " from Medical Institutions	..	28	..
Income from Markets and Slaughter-houses	7,349	9,097	9,606
License Fees	887	856	849
Other Fees	1,538	1,959	1,705
Fines under Municipal and other Acts	1,546	386	624
Interest on Investments and premium on Loans	98	49	147
Grants and Contributions from Government	237	230	325
Recoveries for Services to Private Individuals	1,450	7,187	5,714
Miscellaneous	380	995	179
Loans	..	..	..
Advances Recovered	301	1,516	314
Total	2,12,150	1,66,826	1,45,209

Statement showing the Revenue and Expenditure of the Tanjore Municipality for three years from 1895-96 to 1897-98—*cont.*

	Actuals, 1895-96.	Actuals, 1896-97.	Actuals, 1897-98.
Expenditure.	Rs.	Rs.	Rs.
Grant 1—			
New Works—			
Communications	1,369	2,555	1,449
Buildings	1,074	3,462	921
Drainage	1,662	1,076	1,403
Water-supply	54,978	12,041	3,919
Miscellaneous	911	1,272	415
Repairs—			
Communications	9,405	6,268	10,341
Buildings	997	1,323	1,691
Drainage	3,949	3,460	3,066
Water-supply	9,188	17,425	16,369
Establishment	787	801	801
Tools and Plant and other Stores	50	96	37
Total	84,370	49,779	40,412
Grant 2—			
Training Schools	51	120	171
Municipal Schools on the Salary Result System	953	987	1,491
Salary Grants	1,664	2,420	2,426
Result Grants	5,069	5,000	5,002
Building, Furniture, &c., Grants	96	420	299
Inspection	374	366	380
Miscellaneous	458	453	448
Total	8,665	9,766	10,217
Grant 3—			
Hospitals and Dispensaries	3,624	3,647	3,558
Contributions	631	665	649
Vaccination	600	581	343
Registration of Births and Deaths	538	631	543
Conservancy	12,534	14,683	18,361
Total	17,927	20,107	23,454
Grant 4—			
Lighting	4,079	4,727	5,352
Markets and Slaughter-houses	579	775	202
Travellers' Bungalows	376	176	174
Avenues	335	330	359
Public Gardens, Survey of Land, Clock Tower and other charges	3,118	3,781	6,986
Total	8,487	15,789	13,073
Grant 5—			
Supervision and Management	7,252	6,402	6,906
Repayment of Debt	6,317	6,317	6,317
Interest on Loan	7,829	7,765	7,517
Advances Recoverable	393	308	347
Refunds	83	68	291
Pensions and Gratuities	105	72	..
Balance	70,722	50,433	36,675
Grand Total	2,12,150	1,66,826	1,45,209

ANNEXURE.

Application of the Calicut Municipal Council for a Loan from Government under Section 5 of the Local Authorities Loan Act, 1879.

The work or works for the construction or repair of which the loan is required and an estimate of the cost thereof.	The amount which it is proposed to borrow.	The fund or funds on the security of which it is proposed to borrow.	The law or laws under which the said fund or funds is or are levied, received or held.	The period for which the loan is required, the number and amount of instalments, if any, in which it is proposed that the loan shall be taken, the dates proposed for receiving such instalments, and the instalments, if any, in which it is proposed to repay the loan.	A detailed account of the revenue and expenditure of the local authority for the three last preceding years.	Existing prior charges upon the funds of the local authority.
Providing burial-grounds for Mappilas at Calicut, at an estimated cost of Rs. 17,080.	Rs. 9,580	Calicut Municipal Fund.	The Madras District Municipalities Act IV of 1884 as amended by Act III of 1897.	The loan is required for ten years. The amount will be received in a lump on or before the 31st March 1898 and be repaid in ten annual instalments of Rs. 958 a year with interest at 4 per cent. per annum.	Attached herewith.	A loan of Rupees 20,000 sanctioned in G.O., No. 99 M., dated 25th January 1889, and another of Rs. 10,000 sanctioned in G.O., No. 12 M., dated 7th January 1891, have been taken.

Detailed Account of the Revenue and Expenditure of the Calicut Municipality for the years 1894-95, 1895-96 and 1896-97.

Particulars.	1894-95.	1895-96.	1896-97.
Receipts.	Rs.	Rs.	Rs.
Balance brought forward	— 1,882	— 164	6,533
Tax on Arts	8,040	7,883	8,236
,, Buildings and Lands	34,094	33,104	32,811
,, Vehicles and Animals	2,204	2,127	2,244
,, Carts	560	519	446
Tolls	5,389	5,773	5,399
Realizations under Special Acts	65	93	82
Rent of Lands, Buildings, &c., and Sale-proceeds of Lands, &c.	992	874	1,410
Conservancy Receipts	..	117	29
Fees and Revenue from Educational Institutions	340	319	499
,, ,, Medical Institutions	90	30	8
Income from Markets and Slaughter-houses	2,008	2,653	2,189
License Fees	1,708	2,182	1,802
Other Fees	384	230	175
Fines under Municipal and other Acts	543	460	330
Grants and Contributions from Government	1,064	8,181	565
,, ,, ,, Local Boards	3,900	3,900	3,900
,, ,, ,, other Bodies	..	299	..
Recoveries for Services to Private Individuals	1,551	1,806	2,324
Miscellaneous	218	164	80
Advances Recovered	204	1,737	623
Total	61,472	72,258	69,685
Charges.			
Grant 1—			
New Works—			
Communications	423	27	527
Buildings	2,793	6,238	2,429
Repairs—			
Communications	10,664	11,709	10,355
Buildings	526	493	637
Water-supply	60	845	..
Establishment	866	594	759
Contributions for Public Works	69	..	..
Total	15,101	19,906	14,707

Detailed Account of the Revenue and Expenditure of the Calicut Municipality for the years 1894–95, 1895–96 and 1896–97—*cont.*

Particulars.	1894–95.	1895–96.	1896–97.
Charges—cont.	Rs.	Rs.	Rs.
GRANT 2—			
Training Schools	337	125	117
Municipal Schools—			
On the Salary System	70	1,271	1,602
,, Salary-result System	4,171	3,370	3,915
Salary Grants	289	359	464
Result ,,	938	1,013	783
Building, Furniture, &c., Grants	97	75	60
Inspection	280	249	266
Miscellaneous	395	180	179
Total	6,577	6,642	7,386
GRANT 3—			
Hospitals and Dispensaries	9,292	10,538	14,398
Contributions	1,230	600	527
Vaccination	703	799	1,051
Registration of Births and Deaths	341	337	421
Conservancy, Road-cleaning and Road-watering	10,031	14,577	13,847
Total	21,597	26,851	30,244
GRANT 4—			
Lighting	3,572	1,993	2,976
Markets and Slaughter-houses	351	382	373
Choultries	48	48	48
Travellers' Bungalows	210	191	200
Public Garden, Survey of Land, Fire and other Charges	3,427	1,259	1,386
Total	7,608	3,873	4,983
GRANT 5—			
Supervision and Management	5,115	5,194	6,598
Repayment of Debt	2,000	2,000	2,000
Interest on Loan	1,035	950	858
Advances Recoverable	2,207	272	522
Refunds	96	37	164
Pensions and Gratuities	..	..	321
Balance	— 164	6,533	1,902
Grand Total	61,472	72,258	69,685

Government {1898} of Madras.

LOCAL AND MUNICIPAL.

Recd. } 1898. *Enclosures*

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G.O., No. 39 M., 7th January 1898.

JANUARY.

Loan.

Ordering, with remark, the publication in the *Fort St. George Gazette* of the application of [illegible] Calicut for a — of Rs. 9,580 required for providing burial-grounds for

No. 39 M., 7TH JANUARY 1898.

GOVERNMENT OF MADRAS.

LOCAL AND MUNICIPAL DEPARTMENT.

READ—the following paper:—

From M.R.Ry. R. RAMA RAO Avargal, Chairman, Municipal Council, Calicut, to the Secretary to Government, Local and Municipal Department (through the Collector of Malabar), dated Calicut, 2nd December 1897, No. 2018.

With reference to G.O., No. 1075 M., dated 4th May 1897, approving, with remarks, the estimates amounting to Rs. 17,080 for the proposed Mappila burial-grounds at Calicut, I have the honour to inform you that the council, at a meeting held on the 11th June 1897, resolved to submit an application for a loan of Rs. 9,580 to Government for completing the burial-grounds.

2. A copy of the resolution of the council and an application for the loan in the usual form are herewith submitted.

3. As it is likely that an additional loan would be required for the Christian burial-ground proposed to be newly opened at an unobjectionable site, it was thought that the application for the loans required for both could be submitted after the question of the Christian burial-ground was finally settled. But as it may take some more time for the question of the Christian burial-ground being finally settled, I have submitted the present application.

ENCLOSURE.

PROCEEDINGS of the Municipal Council, Calicut, at a meeting held on the 11th June 1897.

* * * * * *

Read G.O., No. 1075 M., dated 4th May 1897, approving, with remarks, the estimates amounting to Rs. 17,080 for the proposed Mappila burial-grounds at Calicut.

Resolution.—The council regrets to note that the Government has not been able to see its way to grant a further contribution of Rs. 5,580 as prayed for.

An application for a loan of Rs. 9,580 will be submitted to Government.

The Revenue Department will be requested to acquire the necessary sites.

Arrangements will be made to commence the work without delay.

Endorsement on C. No. 498 M.

Forwarded.

CALICUT,
18*th December* 1897.

(Signed) J. H. GWYNNE,
for *Collector*.

ORDER—No. 39 M., dated 7th January 1898.

The application for a loan of Rs. 9,580 will, as amended by Government, be published in the *Fort St. George Gazette*. After one month from the date of such publication, if no valid objections have been raised, the application will be sanctioned.

2. The Chairman's explanation of the delay in the submission of this application cannot be considered satisfactory.

(True Extract.)

H. TREMENHEERE,
Ag. Secretary to Government.

To the Chairman, Municipal Council, Calicut.
" Collector of Malabar.
" Accountant-General.
" Financial Department.
Editor's Table.
Gazette.

Ind. W. D'Moss.

Please see previous [illegible] 29/12/98.

Government {1898} of Madras.

LOCAL AND MUNICIPAL.

E

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Please send 3 copies of the revised proof.

Proof for approval. Set revised proof. PR 31/12/98

PR 31/12/98

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G.O., No. 2176 M., 16th December 1898.

DECEMBER.

Drainage.

Approving, with remarks, the estimate of Rs. 33,440 for a scheme of — for the Tanjore Fort submitted by the Sanitary Board, and ordering the publication in the Fort St. George and Tanjore District Gazettes the application of the Council for sanction to raise a loan of Rs. 33,000 in the open market.

No. 2-S.

Forwarded to the Sanitary Engineer for the preparation of the required estimate.

(Signed) , Col., R.E.,
President, Sanitary Board.

7th March 1895.

No. 116 S.

Note by President, Sanitary Board.

After perusal of these papers, I am of opinion that a gravitation scheme is feasible, and that even should the filters cost Rs. 30,000, it will be better to adopt them than to incur the constant expense of pumping. I therefore think the scheme should be revised accordingly. The cost of pumping, as given by the Sanitary Engineer, is Rs. 3,000 per annum: this, at 4 per cent., represents a capital outlay of Rupees 75,000, so that if the gravitation scheme costs that sum more than Mr. Jones' scheme, it will still be advisable to adopt it. I think the 2" pipe allowed by the Sanitary Engineer will suffice.

(Signed) D. McNEIL CAMPBELL, Col., R.E.,
President, Sanitary Board.

24th July 1896.

To the Sanitary Engineer.

The Tanjore (Fort) Drainage Improvement scheme—September 1897.

With reference to the President of the Sanitary Board's note, No. 116-S., dated 24th July 1896, the undersigned now forwards plans and estimates for a gravitation scheme for Tanjore Fort. The undersigned has, on several occasions, urged that such a scheme was not feasible and it has become so only by a departure from principles which should find a place in all drainage schemes, one of these being that the gradients of drains and sewers should be such that the velocity is sufficient to keep such drain or sewer self-cleansing: if this departure is allowed, the scheme now put forward can be carried out though it is not one the undersigned would have proposed and it is sent forward in view of the President's note already alluded to.

2. The main intercepting sewer, which will be a 9" half oval open drain (Burn & Co.'s glazed tiles), will have a grade of 1 in 790 only, for its whole length and this grade cannot be improved; it has only been obtained by omitting any storage tank above the sewage farm; to introduce a storage tank would require the loss of a large portion of the available farm area, which all lies to the west end of the town. The 9" drain will carry the sewage coming from the east end of the Fort, and this is calculated to amount to 32 cubic feet, or 200 gallons per minute (that is, taking half the sewage as flowing off in six hours The full discharging capacity of this drain is 37 cubic feet per minute. Its velocity is, however, only 93' per minute, or 1½' a second, so that it cannot be self-cleansing. On the acceptance of the above arrangement depends the remainder of the scheme which is much cheaper, of course, in every respect than the other schemes put forward, and it, no doubt, will serve Tanjore for years to come if due attention is paid to this open drain; it is kept clean and free from silt.

3. The scheme itself may now be described—

As in former schemes the sewage of the East Main street and its adjoining streets is intercepted where it enters the Fort ditch and here there is an overflow carried to the existing outlet east of East Main street as shown on the plans and sections (sheets 1 and 2). The contributory drains to East Main street drains are dealt with as in former designs, all sewage being brought to East Main gate street and being diverted from the Fort ditch.

4. The intercepting sewer will consist of 9" semi-oval (Burn & Co.'s) glazed tiles, with spigot and faucet joints laid on the top of an embankment passing along the side of the Fort ditch and laid at a grade of 1 in 790. The intercepting sewer at its head receives the sewage of East Main street and no other contributory drain enters until Ranavoical street is reached—here the sewage and storm water of

Ranavoical street and part of North Main street will be received and a 30" built drain (~~see section on sheet No. 2~~) will be constructed for a length of 775' where it meets the drain from West Main gate street. Thence to the sewage farm there will be a 36" drain (part of it covered) which will be carried in a direct line to the south-east corner of the proposed sewage farm where it meets the existing storm water and sewage channel near ~~the point, *vide* sheet No. ——~~, the main sewage carrier will be taken off and led to the east side of the sewage farm.

5. The total amount of sewage which it is calculated will be received at the sewage farm is 300,000 gallons for 20,000 people, taking 15 gallons a head, half flowing off in 12 hours, the discharge per minute will therefore be 416 (say 420) gallons per minute; of this there will be received by the intercepting sewer 200 gallons at the east end, at Ranavoical street 100 gallons, and at west main street 120 gallons.

6. The area which it is proposed to take up for the farm at present is 10 acres; ~~this portion is shown by red border line (*vide* sheet 4)~~.

7. The water-supply to Tanjore at present does not exceed 10 gallons per head daily over the portion supplied, so that the farm would be required to dispose of about $20{,}000 \times 10 = 200{,}000$ gallons daily, which gives 20,000 gallons or 2,000 people per acre. This is greater than the area in most farms where intermittent filtration is in use in England, and this farm will be very thoroughly under-drained. In any case there is ample room for an extension of the farm, so that there is no harm in beginning with a reasonable area.

8. The main carrier passes along the east of the farm and the sub-carriers take off at every 200 feet. The sub-soil drains will be laid 3' deep, the main sub-soil drain being 3" in diameter and the subsidiary sub-soil drain 2" in diameter. The main sub-soil drain will discharge into a deep channel cut along the west of the farm which will be filled with gravel, and through this the clarified water discharged will find its way to the channel by which the storm water passes to the Vadavar (~~*vide* sheets 4 and 6~~). The whole area of the farm will be levelled and graded as shown on sheet No. 5.

9. The total cost as estimated (abstract and detailed estimates herewith) is Rs. 33,440. Should Government be able to grant half the sum and lend the remainder at 4¼ per cent., the annual cost for interest to the municipality will not exceed Rs. 690: to this should be added—

	Per month. Rs.
2 Drain-cleaners (extra) at Rs. 6	= 12
Sewage farm—	
1 Farm superintendent at Rs. 20	= 20
4 Distributing coolies at Rs. 7	= 28

The cost of any other labour engaged from time to time can be set off against the farm receipts which in time ought to be considerable. If the yield amounts to 25 tons * per acre per annum or, in all, 250 tons, this ought to bring in an income of about

$$\frac{250 \times 2{,}240 \text{ lb.} \times \text{As. } 8}{100 \text{ lb.}} = \text{Rs. } 3{,}300 \text{ annually.}$$

* Madras yield = 29⅓ tons.

10. If the farm is properly worked and sufficient sewage received there will be a gain to the Municipality by the execution of the work even if the whole money for the scheme has to be borrowed at 4¼ per cent., presuming of course that a ready sale can be had for the grass as is the case in Madras.

FORT ST GEORGE,
18th September 1897.

(Signed) J. A. JONES,
Sanitary Engineer to Government.

Proceedings of the Sanitary Board, No. 730-S., dated 26th October 1897.

Read—letter from the Sanitary Engineer to Government, No. 1521, dated 18th September 1897.

The two intercepting sewers with gradients of 1 in 140 (east sewer) and 1 in 190 (west sewer) can discharge 218 gallons and 185 gallons per minute, respectively. This is less than the total amount, but a portion of the sewage will be received at North Gate street opposite the pumping station. The manholes as shown will be built up to above the entrance level of the sewers. The sewers will receive the drainage from the East Main and West Main streets at their upper ends and at their junction from a small area flowing in at North Gate street.

The sewers discharge into a well situated outside the proposed engine house to the north of the Fort ditch. The size of the engines and the cost of the pumping main is dependent on the site of the sewage farm.

If the sewage farm is placed to the east, the lift will be only 12 feet and a gravitation pipe of stoneware 9 " diameter can be used. If the sewage farm is on the west the main will be under pressure and 7 " diameter iron pipe is necessary.

The objection to locating the farm to the east is that the land is flooded on occasions of rainfall and is below the flood levels of the Vadavar. The ordinary flood level of this channel is 131·80, the maximum flood level is 134·74, while the average level of the proposed sewage farm area is 129·00. This, it is believed, is the land proposed for the sewage farm by the Sanitary Commissioner.

The only other suitable area for sewage farming is that to the west on to which the greater portion of the sewage now discharges and is shown on the plans. A large portion of the area is waste land, the remainder irrigable land. It is located so that it can be easily drained and the effluent sent to a branch of the Vadavar.

The area available for the farm on the west is not limited, that to the east cannot exceed 25 acres. It is proposed to take up on the west an area of 40 acres, thus allowing for the sewage at 15 gallons per head of 500 persons per acre; as it is proposed to underdrain the farm, this will be sufficient. It is proposed to place a sewage storage tank at the higher end of the site. A design for this accompanies :—

Estimates.

The total of the estimates is—

	Rs.
Farm to the west	68,400
Do. east	45,700

These might be reduced by the omission of 12" and 6" tiles for the main and sub-carriers, earthen channels being alone used, and by the omission of the sub-soil drainage pipes of which I doubt the possible efficacy in this country. If the former are omitted the reduction would amount to Rs. 10,350 in the latter amount.

4. The plans are self-explanatory of the proposals made.

5. The annual cost to the municipality would depend on the amount of the Government grant and the working charges. The cost of pumping to the farm on the west would be about Rs. 3,000 annually, on the east Rs. 840 annually, and allowing Rs. 1,000 for working the farm in each case—the cost would be (taking the Government grant as 50 per cent.)—

Rs.		Rs.
$\frac{68,400}{2}$ × 5·96 per cent.		
Pumping	=	2,038
Farm		3,000
		1,000
	Total ..	6,038
$\frac{45,700}{2}$ × 5·96 per cent.	=	1,360
Pumping		840
Farm		1,000
	Total ..	3,200

6. Government desired in G.O., Mis. No. 291 M., dated 26th February 1895, that the matter should be considered in consultation with the Municipal Council. After the Sanitary Board has decided as to the plans to be adopted or any modification thereof, these as well as the estimates may be sent to the Municipal Council for remarks.

APPLICATION for loan by the Municipal Council of Tanjore for improving the drainage of the Fort Tanjore and for opening a sewage farm in connection with it.

1. *The work or works for the construction or repair of which the loan is required and an estimate of the cost thereof.*—Improvement of the drainage of the Tanjore Fort and the opening of a sewage farm in connection with it, estimated to cost Rs. 33,440.

2. *The amount which it is proposed to borrow.*—Rs. 33,000.

3. *The fund or funds on the security of which it is proposed to borrow.*—Tanjore Municipal fund.

4. *The law or laws under which the said fund or funds is or are levied received or held.*—The District Municipalities Act IV of 1884 as amended by Act III of 1897 (Madras).

5. *The dates between which the money borrowed is to be received.*—Between October 1898 to 31st March 1899.

6. *The term of years for which the money is to be borrowed, the instalments, if any, in which it is to be repaid, and the amount of sinking fund, if any, provided for its repayment.*—The term of years for which the money is to be borrowed is 30 years. The principal will be repaid in 25 annual instalments beginning from 1st April 1905 of Rs. 1,320 each.

7. *A detailed account of the revenue expenditure of the local authority for the last three preceding years.*—Attached herewith.

8. *All existing prior charges upon the funds of the local authority.*—Rs. 1,89,500 at $4\frac{1}{4}$ per cent. borrowed from Government and repayable in 30 annual instalments beginning from the year 1895.

ENCLOSURE.

STATEMENT showing the Revenue and Expenditure of the Tanjore Municipality for three years from 1895–96 to 1897–98.

—	Actuals, 1895–96.	Actuals, 1896–97.	Actuals, 1897–98.
Receipts.	Rs.	Rs.	Rs.
Balance brought forward	1,21,454	70,722	50,433
Tax on Arts	12,478	10,823	8,129
,, on Buildings and Lands	24,792	21,892	25,658
Water-tax on Buildings and Lands	10,350	12,178	13,717
Tax on Vehicles and Animals	3,862	3,720	3,529
,, on Carts	2,410	2,300	2,124
Tolls	16,806	17,027	17,024
Realizations under Special Acts	65	125	110
Rent of Lands, Buildings, &c., and Sale-proceeds of Lands, &c. ..	3,902	3,468	2,770
Conservancy Receipts	2,231	2,242	2,232
Fees and Revenue from Educational Institutions	14	26	20
,, ,, from Medical Institutions	..	28	..
Income from Markets and Slaughter-houses	7,349	9,097	9,606
License Fees	887	856	849
Other Fees	1,538	1,959	1,705
Fines under Municipal and other Acts	1,546	386	624
Interest on Investments and premium on Loans	98	49	147
Grants and Contributions from Government	237	230	325
Recoveries for Services to Private Individuals	1,450	7,187	5,714
Miscellaneous	380	995	179
Loans	..	..	..
Advances Recovered	301	1,516	314
Total ..	2,12,150	1,66,826	1,15,209

Statement showing the Revenue and Expenditure of the Tanjore Municipality for three years from 1895-96 to 1897-98—*cont.*

	Actuals, 1895-96.	Actuals, 1896-97.	Actuals, 1897-98.
Expenditure.	Rs.	Rs.	Rs.
GRANT 1—			
New Works—			
Communications	1,369	2,555	1,449
Buildings	1,074	3,462	921
Drainage	1,662	1,076	1,403
Water-supply	54,978	12,041	3,919
Miscellaneous	911	1,272	415
Repairs—			
Communications	9,405	6,268	10,341
Buildings	997	1,323	1,691
Drainage	3,949	3,460	3,066
Water-supply	9,188	17,425	16,369
Establishment	787	801	801
Tools and Plant and other Stores	50	96	37
Contribution for Public Works	..	..	..
Total	84,370	49,779	40,412
GRANT 2—			
Training Schools	51	120	171
Municipal Schools on the Salary Result System	953	987	1,491
Salary Grants	1,664	2,420	2,426
Result Grants	5,069	5,000	5,002
Building, Furniture, &c., Grants	96	420	299
Inspection	374	366	380
Miscellaneous	458	453	448
Total	8,665	9,766	10,217
GRANT 3—			
Hospitals and Dispensaries	3,624	3,647	3,558
Contributions	631	665	649
Vaccination	600	581	343
Registration of Births and Deaths	538	531	543
Conservancy	12,534	14,683	18,361
Total	17,927	20,107	23,454
GRANT 4—			
Lighting	4,079	4,727	5,352
Markets and Slaughter-houses	579	775	202
Travellers' Bungalows	376	176	174
Avenues	335	330	359
Public Gardens, Survey of Lands, Clock Tower and other charges	3,118	9,781	6,986
Total	8,487	15,789	13,073
GRANT 5—			
Supervision and Management	7,252	6,402	6,906
Repayment of Debt	6,317	6,317	6,317
Interest on Loan	7,829	7,785	7,517
Advances Recoverable	393	308	347
Refunds	83	68	291
Pensions and Gratuities	105	72	..
Balance	70,722	60,433	36,675
Grand Total	2,12,150	1,66,826	1,45,209

No. 2907-Rev.

Submitted to Government in the Local and Municipal Department.

2. A formal application for loan not having been submitted along with the letter, the same was obtained upon further reference and is forwarded herewith.

3. The application provides for repayment of the loan in 30 years. As the council is already indebted to Government to the extent of Rs. 1,89,500, it cannot be expected to repay the proposed loan in 20 years.

(Signed) M. SIVAGNANAM PILLAI,
for *Ag. Collector.*

5th July 1898.

From M.R.Ry. V. A. VANDYAR, Chairman, Municipal Council, Tanjore, to the Secretary to Government, Local and Municipal Department (through the Divisional Officer, Tanjore), dated 27th September 1898, No. 1678.

With reference to your memorandum No. 879, dated 29th July 1898, I have the honour to forward herewith an extract of the Council's Proceedings, dated 14th instant, from which it will be seen that the annual expenditure which the execution of the drainage scheme would involve will be met from the expected profits from the scheme and that the rate of interest on the proposed loan is 4 per cent. per annum.

Ref. C. No. 1986-Ag.

Forwarded.

(Signed) C. MURUGASEM PILLAY,
Deputy Collector.

29th September 1898.

Endt. on C. No. 518-Ml.

Forwarded.

(Signed) J. TWIGG,
Ag. Collector.

15th October 1898.

ORDER—No. 2176 M., dated 16th December 1898.

The estimate, amounting to Rs. 33,440, for a scheme of drainage for the Tanjore Fort, submitted by the Sanitary Board, is approved.

2. The Public Works Department is requested to put the work in hand, as soon as the necessary funds are provided by the Municipal Council.

3. The application for sanction to raise a loan of Rs. 33,000 in the open market, submitted with the Chairman's first letter read above, will be published in the Fort St. George and the Tanjore District Gazettes. After the lapse of one month from the date of its publication, if no valid objections have been taken thereto, the application will be sanctioned.

4. The Collector is requested to report the date of publication of the application in the District Gazette.

(True Extract.)

for *Secretary to Government.*

To the Chairman, Municipal Council, Tanjore.
„ Collector of Tanjore.
„ Public Works Department.
Gazette.

Exd. C. M. Thumbuswamy.

Tanjore Fort Drainage Scheme

LOCAL AND MUNICIPAL DEPARTMENT.

[L. & M.] 500 5.98.

Papers to be read in Proceedings:—

23P

Again G.O., No. dated 189 ,

Again G.O., No. 2775M dated 11th December 1897,

Current No. 2314 M of 1898, dated 5th July 1898, from the Collector of Tanjore.

" " 3219 M " 1898, " 26th Sept 1898 " Chairman, Mc., Tanjore

" " " 189 , "

PS

ORDER. Ga No. 2176m

JM

Mt 24.11.98 A.SH 5.12.98

The estimate, amounting to Rs 33,4[illegible] for a scheme of drainage for the Tanjore Fort, submitted by the Sanitary Board is approved.

2. The Public Works Department is requested to put the work in hand, as soon as the necessary funds are provided by the Municipal Council.

3. The application for sanction to raise a loan of Rs 33,000 in the open market, submitted with the Chairman's first letter read above will be published in the Fort Saint George and the Tanjore District Gazette After the expiry of one month from the date of such publication, if no valid objections have been taken thereto the application will be

Municipal Council

report the date of publication
the application in the District
Gazette.

V.R.
15/11/98

H. 1
15 11 98

L. H. C.
12.12.98

ASSISTT. SECY TO GOVT. 1 DEC. 1893 MUNL. LOL. & LEG. DEPT.

To
The Public Works Department for Counter-initials.

The draft ghd have been sent to the Dept for c.i. before submission to Govt.

L. H. C.
12.12.98

N.B.
But it was linked with another file which was sent to H.G. [illegible] for the disposal of which this paper was essential.

[illegible]
14/12/98

To
The Chairman, M.C., Tanjore
" Collector of Tanjore
" Public Works Departt.
Gazetted 24/1/99 with [illegible]

C. 518 / ML of 98

Local & Munl. (1898) Department.

Cur No 1986 / ML of 98

3219 M

CURRENT No. ~~1628~~

Ec No 1986 / ML of 98
Forwarded
[illegible]
of Collector
[illegible] 29.9.98

DESPATCHED 30 SEP. 98

Order. Endst on C No 518 / ML of 98
Forwarded
[illegible]
Ag. Collector
15.10.98

R.S. 5.10.98 [illegible] 3/10/98

DESPATCHED 15 OCT. 1898

From The Chairman
Municipal Council
Tanjore

Recd. at 2/10/98

No. 1628

Dated 26-9-98

Received

Registered 28/9/98

Enclosures 1

Spare copies

COLLECTOR & MAGISTRATE 2 OCT. 1898 TANJORE

SUBJECT.

Reporting that the annual expenditure of the drainage scheme will be met from the expected profits therefrom, and that the rates [illegible]

... report the date of publication ... the application in the District ... gazette.

V. R.
15/11/98

H. 1
15 11 98

[illegible signature] 12.12.98

To
The Public Works Department for Counter-initials.

The draft should have been sent to the Dept. for C.I. before submission to Govt.

[illegible signature]
12.12.98

NB
But it was linked with another file which was sent to H.E. the ... for the disposal of which this paper was essential.

[illegible] 14/12/98

To
The Chairman, M.C., Tanjore
" Collector of Tanjore
" Public Works Departt.
Gazetted 24/1/99 with plans & estimates ...

C. 518/ML of 98

Local & Munl. (1898) Department.

Cur. No. 1986/ue of 98

3219M

CURRENT No. ~~1628~~

Ec No 1986/ue of 98
Forwarded
[illegible signature]
for Collector
[illegible] 29.9.98

DESPATCHED
30 SEP. 98

Order. Endst. on C. No. 518/ML of 98
Forwarded
[illegible signature]
Ag. Collector
15.10.98

DESPATCHED
15 OCT. 1898

Rd.
3.10.98

[illegible] 3/10/98

From
The Chairman
Municipal Council
Tanjore

Recd. do. 2/10/98

No. 1628

Dated 26-9-98
Received
Registered 28/9/98
Enclosures 1
Spare copies

COLLECTOR & MAGISTRATE
2 OCT. 1898
TANJORE.

SUBJECT.

Reporting that the annual expenditure of the drainage scheme will be met from the expected profits therefrom, and that the rates ...

V. L. Varu...

BACK PAPERS.

G.O.	No.	Department.	Date.
	Memo c/o 879/98 7e		

FURTHER PAPERS.

G.O.	No.	Department.	Date.

(Form No. 43).

Tanjore Municipal Office,
27. 2. 98.

No. 1678

From V. A. Vaudyan
CHAIRMAN,
Municipal Council,
TANJORE.

LOCAL & MUNICIPAL DEPT.
CURRENT 32/98

The ~~Chief~~ Secretary,
TO GOVERNMENT,
Fort St. George,
MADRAS.

Thro. the Divisional Officer,
TANJORE.

Sir,

With reference to your Memo No. 879 dated 28.7.98 I have the honor to forward herewith an extract of the Councils Proceedings dated 14th instant from which it will be seen that the annual expenditure which the execution of the Drainage Scheme would involve will be met from the expected profits from the Scheme and that the Rate of interest on the proposed loan is 4 per cent per annum.

I have the honor to be
Sir
Your most obt Servt

V. A. Vaudyan

Statement Shewing the Revenue and Expenditure of the Tanja
Municipality for three years from 1895-96 & 97-98.

	Actuals 1895-96	Actuals 1896-97	Actuals 1897-98
Receipts			
Balance brought forward	121464	70722	50436
Tax on Carts	12478	10823	8129
" on Buildings and Lands	24792	21892	25658
Water Tax on Buildings and Lands	10350	12178	13717
Tax on Vehicles and animals	3862	3720	3520
" Carts	2410	2300	2124
Ditto.	16806	17027	17024
Realizations under Special Acts	65	125	110
Rent of Lands, Buildings &c and Sale proceeds of Lands	3902	3468	2770
Conservancy Receipts	2231	2242	2232
Fees and Revenues from Educational Institutions	14	26	20
" from Medical Institution	..	28	..
Income from Market and Slaughter Houses	7349	9097	9606
License fees	887	856	849
Other fees	1538	1959	1705
Fines under Municipal and other acts	1546	386	624
Interest on investment and Premium on Loans	98	49	147
Grants and Contributions from Government	237	230	325
Recoveries for Services to Private Individuals	1460	7187	5714
Miscellaneous	380	995	179
Loans	..	..	
Advances Recovered	301	1516	314
Total	212150	166826	145209

Chairman
Dy Collector

	actual 1895-96	actual 189 -97	actual 1897-98
	1369	2555	1449
Supply	1074	3462	928
miscellaneous	1644	1076	1403
Repairs - Communications	5497	12043	3919
Buildings	911	1272	415
Drainage	9405	6268	10348
Water Supply	807	1323	1691
Establishment	3924	3460	3066
Tools and plants and other Stores	9188	17425	16369
Contributions for Public works	787	801	801
Grant IX	50	96	37
Total	34,370	49779	40412
Training Schools	51	120	171
Municipal Schools on the Salary Result System	953	987	1491
Salary Grants	1664	2420	2446
Result Grants	5069	6300	5002
Building, Furniture &c Grants	96	420	299
Inspection	374	366	380
Miscellaneous	458	453	448
Grant III	8665	9766	10217
Total	3624	3647	3558
Hospitals and Dispensaries	681	665	650
Contributions	600	581	343
Vaccination	538	531	543
Registration of Births and Deaths	12534	14683	18361
Conservancy	17927	20107	23454
Grant IV	4079	4727	5352
Total	579	775	202
Lighting	376	176	174
Markets and Slaughter Houses	335	330	359
Travellers Bungalow	3118	9781	6986
Avenues	8487	15789	13073
Public Gardens, Survey of Lands, Clock Towers & other Charges	7252	6402	6906
Grant V	6317	6317	6317
Total	7829	7785	7517
Supervision and Management	393	308	347
Repayment of Debt	83	68	291
Interest on Loan	105	72	..
Advances Recoverable	70722	50433	36675
Refunds			
Pensions and Gratuities			
Balance			
Total	212150	166826	145209

Thompson
By Collector & Chairman.

168

Application for loan by the Municipal Council of Jaffna for improving the drainage of the Fort Jaffna and for opening a Sewage Farm in Connection with it.

1. The work or works for the Construction or Repair of which the loan is required and an estimate of the Cost thereof	For improving the drainage of the Jaffna Fort and for opening a Sewage Farm in Connection with it. The estimated Cost of the Scheme is Rs 33,440. The estimate has been approved of by the Sanitary Board in its Proceedings No 7305 dated 26-10-97 Communicated in C.O. No 2775 dated 11-12-97.
2. The amount which it is proposed to borrow	Rs 33,000
3. The fund or funds on the Security of which it is proposed to borrow.	All moneys, rents, profits to be raised by the Municipal Council of Jaffna from the General Sources described in Section 27 of the Municipal Act.

	Actuals 1895-96	Actuals 1896-97	Actuals 1897-98
	1369	2555	1449
	1074	3462	922
Supply	[illegible]	1076	1403
miscellaneous	54978	12044	3919
Repairs – Communications	911	1272	415
Building	7485	6268	10342
Drainage	897	1323	1691
Water Supply	394	3460	3066
Establishment	9188	17425	16369
Tools and plants and other Stores	787	801	801
Contribution for Public works	50	96	37
Total	64,370	48,779	40412
Grant II			
Training Schools	51	120	171
Municipal Schools on the Salary Result System			
Salary Grants	953	987	1491
Result Grants	1664	2420	2446
Building, Furniture &c Grants	5069	5000	5002
Inspection	96	420	299
Miscellaneous	374	366	380
	458	453	449
Total	8665	9766	10217
Grant III			
Hospitals and Dispensaries	3624	3647	3558
Contributions	681	665	649
Vaccination	600	581	343
Registration of Births and Deaths	538	531	543
Conservancy	12534	14683	18361
Total	17927	20107	23454
Grant IV			
Lighting	4079	4727	5352
Markets and Slaughter Houses	579	775	202
Travellers Bungalow	376	176	174
Avenues	336	330	359
Public Gardens, Survey of Lands, Clock Tower & other Charges	3118	9781	6986
Total	8487	15789	13073
Grant V			
Supervision and Management	7252	6402	6906
Repayment of Debt	6317	6317	6317
Interest on Loan	7829	7785	7517
Advances Recoverable	393	308	347
Refunds	83	68	291
Pensions and Gratuities	105	72	..
Balance	70722	50433	36675
Total	212150	166826	145209

Dy Collector & Chairman.

18

Application for loan by the Municipal Council of Tanjore for improving the drainage of the Fort Tanjore and for opening a Sewage farm in Connection with it.

The work or works for the Construction or repair of which the loan is required and an estimate of the Cost thereof	Improving of the drainage of the Tanjore Fort and the opening of a Sewage farm in Connection with it.

The estimated Cost of the Scheme is Rs 33440. The estimate has been approved of by the Sanitary Board in its Proceedings No 730/S dated 26-10-97 Communicated in G.O. No 2775 M: Mis dated 11-12-97.

2. The amount which is proposed to borrow	Rs 33,000
3. The fund or funds on the Security of which it is proposed to borrow.	All moneys, rents profits received by Tanjore Municipal Council of Tanjore from the Several Sources described in Section 27 of the Municipal Act.

Statement showing the ...

		Actuals 1895-96	Actuals 189[illegible]-97	Actuals 1897-98
		1369	2555	1449
		1074	3462	92[illegible]
	Supply	[illegible]	1076	1403
	miscellaneous	54978	12044	3919
	Repairs - Communications	911	1272	415
	Building	9405	6288	10342
	Drainage	897	1323	1691
	Water Supply	394	3460	3066
	Establishment	9188	17425	16369
	Tools and plants and other Stores.	787	801	801
	Contribution for Public works.	50	96	37
Grant II	Total	04,370	4[illegible]779	40412
	Training Schools	51	120	171
	Municipal Schools on the Salary Result System	953	987	1491
	Salary Grants	1664	2020	24[illegible]
	Result Grants	5069	5000	5002
	Building, Furniture or Grants	98	420	299
	Inspection	374	366	380
	Miscellaneous.	458	453	449
Grant III	Total	8665	9766	10217
	Hospitals and Dispensaries	3624	3647	3558
	Contributions	641	665	650 / 649
	Vaccination	600	581	343
	Registration of Births and Deaths	538	531	543
	Conservancy	12534	14683	18361
Grant IV	Total	17927	20107	23454
	Lighting	4079	4727	5352
	Markets and Slaughter Houses	579	775	202
	Travellers Bungalow	376	176	174
	Avenues	336	330	359
	Public Gardens, Survey of Lands, Clock Tower & other Charges	3118	9781	6986
Grant V	Total	8487	15789	13073
	Supervision and Management	7252	6402	6906
	Repayment of Debt	6317	6317	6317
	Interest on Loan	7829	7785	7517
	Advances Recoverable	393	308	347
	Refunds	83	68	291
	Pensions and Gratuities	105	72	..
	Balance	70722	50433	36675
	Total	212150	166826	145209

[illegible]
Dy Collector & Chairman.

23/4/[illegible]

188

Application for loan by the Municipal Council of Tanjore for improving the drainage of the Fort Tanjore and for opening a sewage farm in connection with it.

---

1. The work or works for the Construction or Repair of which the loan is required and an estimate of the cost thereof	~~For~~ improving of the drainage of the Tanjore Fort and ~~for~~ the opening of a sewage farm in connection with it.

The estimated cost of the ~~Scheme is~~ Rs 33440. The estimate has been approved of by the Sanitary Board in its Proceedings No. 730/S dated 26-10-97 communicated in G.O. No. 2775 M. Mis dated 11-12-97.

2. The amount which is proposed to borrow	Rs 33,000
3. The fund or funds on the security of which it is proposed to borrow.	~~All moneys~~ rents ~~profits to be received~~ by ~~the~~ Tanjore Municipal ~~Council~~ fund ~~of Tanjore from the several sources described~~ in Section 27 of the Municipal Act.

[illegible]

	actual 1895-96	actual 1896-97	actual 1897-98
Supply	1369	2555	1449
miscellaneous	1074	3462	928
Repairs - Communications	1668	1076	1403
Buildings	5478	12042	3919
Drainage	911	1272	415
Water Supply	9695	6268	10348
Establishment	897	1323	1691
Tools and plants and other Stores	3[illegible]	3460	3066
Contribution for Public works	9188	17425	16369
Total	787	801	801
Grant III	50	96	37
Training Schools	21370	42779	40412
Municipal Schools on the Salary Results System	51	120	171
Salary Grants	953	981	1491
Result Grants	1664	2200	736
Building, Furniture &c Grants	5069	420	299
Inspection	96	366	380
Miscellaneous	374	453	448
Total	458	4535	4487
Grant III	8665	9766	10217
Hospitals and Dispensaries	3624	3647	3558
Contributions	631	665	650
Vaccination	600	581	343
Registration of Births and Deaths	538	581	543
Conservancy	12534	14683	18361
Total	17927	20107	23454
Grant IV	4079	4727	5352
Lighting	579	775	202
Markets and Slaughter Houses	376	176	174
Travellers Bungalow	336	330	359
Avenues	3118	9781	6986
Public Gardens, Survey of lands, Clock Towers & other Charges	8487	15789	13073
Total	7252	6402	6906
Grant V	6317	6317	6317
Supervision and Management	7829	7785	7517
Repayment of Debt	393	308	347
Interest on Loan	83	68	291
Advances Recoverable	105	72	...
Refunds	70722	50433	36675
Pensions and Gratuities			
Balance			
Total	212150	166826	145209

By Collector & Chairman.

Application for loan by the Municipal Council of Taiyuan for improving the drainage of the Front Taiyuan and for opening a Sewage farm in connection with it.

1. The work or works for the Construction or Repair of which the loan is required and an estimate of the Cost thereof	For improving the drainage of the Taiyuan Front and for opening a Sewage farm in Connection with it. The estimated Cost of the Scheme is Rs 33,440. The estimate has been approved of by the Sanitary Board in its Proceedings No 7305 dated 26-10-97 Communicated in Govt. No 2775 M: Dis dated 11-12-97.
2. The amount which it is proposed to borrow	Rs 33,000
3. The fund or Funds on the Security of which it is proposed to borrow.	All moneys, rents, profits to be received by the Municipal Council of Taiyuan from the several sources described in Section 27 of the Municipal Act.

B

TANJORE MUNICIPALITY.

Extract from the Proceedings of the Municipal Council, Tanjore, at a meeting held at 5 *P. M. on* Wednesday *the* 14 September *1898 at the Municipal Office, Tanjore.*

PRESENT.

13 Councillors.

* * *

~~Resolution No~~

~~**Read**~~

M. R. Ry. V. A. Vandayar avl. —— Chairman
" M. Nataraja Iyer avl. Councillor
S. W. Upshon Esqr. —— " ——
" Kandasami Pillai avl. —— " ——
" Muthu Kistna Naidu garu —— " ——
" Visvanatha Rowjee —— " ——
" Govinda Pillai avl. —— " ——
" T. A. Anantha Narayana aiyar avl. " ——
" Irula Pillai avl. —— " ——
" Ratha Kistna Naidugaru —— " ——
" K. Kalyana Sundaram Iyer avl. " ——
" Muthu Kumara Mupanar avl. " ——
" Arputham Pillai avl. —— " ——

I Read Government memo No. 879 dated 29 July 1898 requesting to

3/23/4 wg

report as to

(1) How the Council proposes to meet the annual expenditure which the Execution of the drainage scheme would involve

(2) The rate of interest which the proposed loan should bear.

The Council proposes to meet the annual Expenditure out of the profit which is expected to be derived from the drainage scheme.

The rate of interest which the proposed loan should bear is 4 per cent.

* * *

[Signed] V. A. Vandayar

Chairman

[True Extract]

V. A. Vaiyapuri Vandayar

Chairman

Ad

321

Local & Munl. (1898) Department.

CURRENT No. 23140

From The Acting Collector of Tanjore

Refs 879 29/7/98 118

Order

Disposal No. 2907 of 98 Rev.

Dated 5th July 1898

Received

Registered

Enclosures As per list

Spare copies. 8 (1 plan)

DESPATCHED 8 JUL 1898

The municipal Council has not reported how it proposes to meet the annual expenditure which the execution of the scheme would involve, as required in G.O. No. 2775 M. dated 11th December 1897. This omission should be supplied without delay.

2. The rate of interest which the proposed loan is to bear, should also be reported.

V.R. 22/7/98

W 23-7-98

SUBJECT.

Submitting the loan application for the drainage Scheme of the Tanjore Municipality

Copy to dep.

To The Chairman, Mc Tanjore

thro' the Collector.

Dep 29/7/98

BACK PAPERS.

G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.

LOCAL & MUNICIPAL DEPT.
CURRENT No. 2314 ...

No. 2907/Rev of 98. Submitted to

Enc. as per list. Government in the

Local and Municipal Department.

2. A formal application for loan not having been submitted along with the letter, the same was obtained upon further reference and is forwarded herewith.

3. The application provides for repayment of the loan in 30 years. As the Council is already indebted to Government to the extent of Rs 189,500 it cannot be expected to repay the proposed loan in 20 years.

Print

Tanjore Collector's Office
5th July 1898

Sd/- Sivagnanam ... for Ag: Collector ...

2/8

Sm

RV

List of papers sent to Government with Tanjore Collector's Foot-Note No. $\frac{2907}{Rev}$ of '98. dated 5th July 1898.

120

1. Sanitary Engineer's letter No $\frac{1521}{18.9.97}$ to the Sanitary Board.
2. One abstract detailed estimate for Rs 33.400.
3. 4 abstract estimates
   One for Rs 68,400
   " " Rs 45,700
   " " Rs 45,150
   " " Rs 61,000
4. Report on proposed improvement of drainage of Tanjore.
5. *Plans — One Roll Consisting of 6 sheets
6. Proceedings of the Municipal Council, Tanjore dated 25th February 1898
7. Do — Do dated 22nd June 1898.
8. Application for loan in the prescribed form.

Print

*Sent Separately.

M. Sivagnanam Pillai
8.7.98
for ag: Collector

[L. & M. 21.]

(Form No. 43).

Tanjore Municipal Office,
15th March 1898.

No. 553

From R. Ry V. Appasawmi Vandyar and
CHAIRMAN,
Municipal Council,
TANJORE.

To

The ~~Chief~~ Secretary,
TO GOVERNMENT,
Fort St. George.
MADRAS.

Thro. the Divisional Officer,
TANJORE.

Sir,

With reference to G.O. No. 2775 in Mis
dated 11-12-97 I have the honor to
State that the scheme for the drainage improve
ment of Tanjore first was approved
Rem.-Con by the Council at its
meeting held on the 25th February
1898. The Council has also resolved
by a large majority that the funds
necessary for the purpose be raised
by a loan in the open market. I ha
beg to request that the Government
will be pleased to accord sanction to th
raising of the loan. An extract of
resolution is herein enclosed for inform

I have the honor to
Sir
Your most obt
R. Ry V. Vand

L. & M.
91.
3,000—12-12-06.

Number of copies required. { [illegible] SD
Letter only.
Order complete with Letter.

...nt.

...copy sent to Press. 16/12/98

...rned for [...]ture. 17-1-99

...spatched in print. 24-1-99

24

...d again G.O., No. 2775 M... Dy 11-12-97 —— A. (no letter instructions within the [...])
139

Current No. 2314 M —— A
3219 M —— A

Press
Show proof please
sharp PR
15/12/98

...to G. No.

...overnment

...th Government.

...with ditto.

...filed up, be...
original.

To The Head Clerk 3477
R. Tm. Dept. 19/12/98
1022

The enclosures
M. should be printed in
full. The estimate should
not be printed. The enclosure

N.B.—
A = Print in full.
... to be printed.
... extract only.
... only.