PRINTED.

G.O., No. 1997 M

DATED 28th November 1895.

[Despatch Abstract.]

Inspection Notes.

Recording the Deputy Sanitary Commissioner's-----on the Srirangam Municipality, and requesting the Sanitary Engi-neer to report on certain points in connection with the water-supply of the town.

BACK PAPER, No. 9 OF 18

READ AGAIN ORDER OF GOVERNMENT, DATED 18 /No.

FURTHER PAPER, No. OF 18

ENCLOSURES.

CURRENT No. 3202 M/95 abstract type

STATEMENT WITH DITTO.

ORDER, &c., OF GOVERNMENT—A.

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No. 1997 M., 28TH NOVEMBER 1895.

GOVERNMENT OF MADRAS.

LOCAL AND MUNICIPAL DEPARTMENT.

READ—the following paper:—

From M.R.Ry. K. SESHADRIAIYANGAR Avargal, Chairman, Municipal Council, Srírangam, to the Chief Secretary to Government (through the Collector of Trichinopoly), dated 10th October 1895, No. 262.

Adverting to G.O. No. 1765 M., dated 23rd December1893, I have the honour to submit herewith the inspection notes of the Inspector of Vaccination and Deputy Sanitary Commissioner, Madras, on this Municipality, with the marginal replies of the council made thereon, at its meeting held on the 28th ultimo, and also a copy of the resolution of the council, as regards this subject.

ENCLOSURE.

INSPECTION NOTES of the Inspector of Vaccination and Deputy Sanitary Commissioner, Madras.

TRICHINOPOLY DISTRICT.

SRIRANGAM MUNICIPALITY.

Inspected 25th to 27th July 1895.

Population as per census of 1891 .. { Males .. .. 10,238 / Females .. .. 11,394 / Total .. 21,632

Inspection Notes.	Chairman's Remarks.
Roads.—The roads in Srírangam itself, as a rule, are in good order and all are cleanly kept. There is no proper system of drainage, but at the angles of all the main streets there are large well-built catch-pits for silt to prevent choking of the culverts. These should be well cleared out periodically, as at present they are filled up and useless. The municipality during the past year have constructed some new-covered drains of an excellent pattern. The system should be extended as funds permit.	Will be attended to.
There are 96 dust-bins. Eighty-three of these are rectangular structures of brick and chunam and thirteen are moveable circular iron ones. More of these are required, especially in Teppakulam street and in the third ward.	Twenty more have been sent for for the present and some of these will be used in Teppakulam street and in third ward. More will be added in future.
The rubbish is romoved by the municipality direct to the fields of those purchasing it, and consequently no depôt is maintained. Rupees 742 were realised from its sale last year.	

Inspection Notes.

The third ward is at some distance from the town itself. With the exception of the Car street round the temple, the roads have apparently never been properly laid down and require attention.

2. *Conservancy.*—There are sixteen public latrines. Eight are open spaces with masonry walls and earthen floors and eight have walls of bamboo tatties. All were clean at the time of inspection. In the third ward there is only one female latrine, the tatties of which have disappeared. Its situation on the banks of a water channel is objectionable. It should be erected elsewhere and more latrines provided for this quarter. Air-tight receptacles standing on stone slabs should be provided outside each of them for the reception of night-soil. There are 1,892 private latrines, of which 1,004 are cleaned by municipal agency. The strength and pay of the conservancy establishment is shown below :—

		RS.	
3	sanitary inspectors on	15–0–0	each.
10	peons	5–0–0	„
12	sweepers	4–0–0	„
1	sweeper	3–0–0	
4	toties	3–8–0	each.
6	„	3–0–0	„
10	„	2–8–0	„

Private Scavenging.

1	inspector	10–0–0
5	toties	4–8–0 each.
13	„	3–8–0 „

There are four single bullock iron night-soil carts (one out of repair) and four double bullock wooden ones. In these the matter collected is removed to the depôt about half a mile from the town on the Maloor road and there buried in deep trenches about three feet square in section. The depôt is well looked after and quite free from smell ; but the trenches are too deep. The present site has lately been opened, the previous one having been leased for cultivation for three years at Rs. 28. Many of the larger houses are provided with large masonry cess-pools which are said to be emptied on requisition of the owners about once a year. In East Adalavalagam street, outside the second wall of the town, there are five large open cess-pools, seething masses of filth in holes dug in the ground. I am informed that the owners of these have been prosecuted several times but always let off, and so the nuisance continues. In North

Chairman's Remarks.

The council is steadily increasing the extent of the metal roads herein referred to. The good condition of these roads will obtain the attention of the council.

Tatties that were blown away by wind at the time of Deputy Sanitary Commissioner's inspection have since been put up. The latrine referred to, which is a male one, will be soon removed to a less objectionable place.

Provision for more latrines will be made in the next budget.

Will be considered at the time of the budget.

The council will again try prosecution.

Inspection Notes.

Adalavalagam street opposite a large chattram there are two wells within a few yards of these cess-pools. As all the ground in their vicinity must be soaked with the filth of years, these wells should be closed altogether as unfit for any domestic purpose. In a corner by the west gate in South Chitra street there is another open cess-pool; the owner should be compelled to build one of an approved pattern and make the necessary arrangement for periodically cleaning it.

3. *Water-supply.*—(*a*) Drinking water is obtained from the Nattuvaikal channel and its branches and from a few wells in the town. Certain places are set apart in the former for drinking as well as for washing purposes—one with a watchman at Nattuvaikal steps and the other near the Madras trunk road bridge. The arrangement is very unsatisfactory as I myself saw women filling their vessels at the same spot where others were bathing and washing clothes, the watchman being apparently powerless in the matter as they paid no attention to him. On another occasion at 11–30 A.M. no watchman was present and bathing and washing clothes were being freely carried on at the drinking steps.

(*b*) All the wells in the town are circular in shape, but the mouth of each is made square by four slabs level with the top of the parapet walls, on which those using them stand to draw water. These slabs should be removed and water drawn by ropes running over pulleys fixed in a cross beam over the well. The wells are close to dwelling-houses and in several cases within a few yards of cess-pools. In Barber street there is a small private well close to dwelling-houses without any parapet or platform. In its present state it is very dangerous to children and passers-by, and the owner should be required to protect it. In the third ward a portion of the Nattuvaikal is set apart for drinking-water. People, however, use any part convenient for the purpose, and as the water has already been polluted by bathing and washing clothes in the upper part of its course, its use anywhere below for drinking purposes is objectionable.

(*c*) The supply of drinking-water is thus seen to be most unsatisfactory being

Chairman's Remarks.

The council will order the alteration of the cess-pools referred to herein according to the approved form. The inhabitants in the locality depend for their supply of water upon these wells and the council will pump out the existing water so as to make it fit for domestic purposes.

This action of the council does not seem adequate and a copy of the above case will be sent to the District Medical and Sanitary officer for his recommendation.

(Intld.) J. A.
Ag. Collector.

Will be soon attended to.

A bye-law will be made to prevent persons who take drinking water in places other than those set apart for this purpose.

The watchman is warned.

These have been strictly prohibited.

Provision will be made in the next budget.

Parapet has since been raised by the owner.

Inspection Notes.

derived from open streams, viz., the Nattuvaikal channel and other smaller irrigation channels, and from wells in the town. Both these sources are most objectionable The open channels are fouled in their course by bathing and washing and are liable to pollution and contamination on all sides, while the wells, being in the vicinity of cess-pools, are unfit for domestic purposes. Cholera appears in the town every year, as shown in the table as per margin, being as a rule imported by the pilgrims who assemble in large numbers for the annual festivals. It would be very desirable that this state of affairs should be put a stop to, and the best means to this end would be the introduction of a pure water-supply. Such a supply is available at a short distance, *i.e.*, from the Cauvery river. If the present wells for the supply of Trichinopoly are insufficient to supply Srírangam also, a separate system should be established for the latter from the same source. All the machinery and plant necessary for the work are now on the spot and the present appears a good opportunity for starting the scheme which is an absolute necessity for a pilgrim resort.

Years.	Deaths from Cholera.	Rate per mille.
1885 ..	63	3·1
1886 ..	1	0·05
1887 ..	113	5·7
1888 ..	77	3·9
1889 ..	7	0·3
1890 ..	74	3·7
1891 ..	41	1·9
1892 ..	86	4·0
1893 ..	215	9·9
1894 ..	45	2·1

(*d*) In a town like this, where pilgrims resort and sanitation requires special superintendence, I think it is highly desirable that the hospital assistant or chief medical subordinate should be a member of the municipal council, as his opinion would then carry more weight and his advice would more probably be acted upon, while he could immediately take steps to correct matters when necessary without the delay entailed by reference to the council for sanction.

4. *Slaughter-house.*—This is a platform of concrete with a drain at the edge situated in a corner of a large walled enclosure in which the meat stalls are built. A roof should be provided and the floor repaired. A masonry cistern should be built to receive the gut contents. Ten to fifteen animals are slaughtered daily. It was leased for Rs. 124–4–0 last year.

5. *Markets.*—There are three straw markets, open spaces on the road side

Chairman's Remarks.

With reference to this remark and those of the Sanitary Commissioner in paragraph I (*c*) of his inspection notes on this municipality for the last year, the council resolves to undertake both the water and drainage schemes, provided the Government is pleased to grant half of the total cost, and provided that the other half is lent to the council under sinking fund arrangements.

There is no doubt that water and drainage schemes are badly wanted, and the sooner they are taken in hand the better. If the wells that will supply Trichinopoly can be made available for Srírangam, there would probably be a great saving in cash. The question of a loan is deserving of the favourable consideration of Government, especially as Srírangam is a place of pilgrim resort, and adjoins Trichinopoly, the largest mufassal town in the Madras Presidency.

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But he is always at hand to advise the Chairman, and I don't well see what delays would be avoided. His being on the council would have some disadvantage.

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The roof is under construction and the floor is under repair.

Provision will be made in the next budget.

Inspection Notes.

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6. There is no cholera shed provided for the town. The place used every year is an old mantapam with a rough-stone floor, at present used for stabling cattle. It is quite unsuited for the purpose. I would suggest that a skeleton building of iron frame work be provided on a raised well-made cemented platform capable of being thatched and provided with tatty walls when required for use.

7. *Vaccination* is in charge of first-class vaccinator R. Vijayaragavaloo ; service $15\frac{1}{2}$ years, $11\frac{1}{2}$ of which has been spent here; pay Rs. 15; monthly minimum 90 cases. All operations are direct from the calf, which is said to be obtained twice monthly from Trichinopoly depôt. An examination of his register shows that in January 35 cases only were vaccinated; during this month he is said to have been on cholera duty—

	Cases.	
February ..	101	
March	119	
April	60	Below minimum.
May	51	
June	12	
July	*nil* up to 24th.	

On the 25th, nineteen cases were vaccinated.

This is most unsatisfactory work and no notice had been taken of it.

In the streets I examined 230 children. Of these, 33 or 14·3 per cent. were unprotected. This cannot be relied upon as a fair test of the state of vaccination, as I detected the probationer (who was assisting me) in reporting unprotected cases as vaccinated; moreover, unvaccinated children were hidden away by their parents on my approach.

The probationary vaccinator was appointed on 15th April 1895 and has been drawing Rs. 5 monthly. He has done no work whatever, nor does he yet know how to vaccinate. He should be dismissed. There does not appear to be any necessity for continuing the appointment as the results shown above certainly do not indicate a pressure of work.

Chairman's Remarks.

The estimate for necessary repairs has been ordered.

Will be considered at the time of the budget.

The conduct of the vaccinator was taken notice of by the Chairman with the result that 41 more cases were vaccinated before the end of the month.

The post of the probationary vaccinator will cease from the 1st October 1895.

Inspection Notes.

The following shows the result of inspection of school children :—

(1) Salary-result school of 28 children—vaccinated 23, small-pox 3, unprotected 2.

(2) Town middle school of 63 children—vaccinated 45, small-pox 8, unprotected 10—

Chairman's Remarks.

—	1891.	1892.	1893.	1894.	1895 up to 18th July.
Number vaccinated	1,164	1,164	975	1,104	325
Do. successfully	1,088	1,101	919	1,019	316
Do. from arm-to-arm	533	587	543	379	9
Do. one year of age	327	392	440	352	111
Number verified by inspecting officer	242	236	105	191	7
Births	692	601	673	626	398

8. *Registration.*—There is one registrar on Rs. 10 per mensem. He is a very old and weakly man quite unfitted for the post. A young and active man capable of keeping his returns and records in English should be appointed. Births and deaths are reported by the Sanitary Inspectors and occasionally by the relatives of the persons concerned. The death-rate is very high and may partly be accounted for by the numbers of pilgrims who arrive in a dying state with the object of spending their last hours in the vicinity of the temples :—

The services of the present registrar will be dispensed with from the 1st proximo.

—	1891.	1892.	1893.	1894.	1895 up to 18th July.
Deaths from—					
Cholera	41	86	215	45	70
Small-pox	6	6	16	3	..
Fevers	108	105	95	94	82
Dysentery and diarrhœa ..	37	29	40	56	25
All other causes	429	419	459	460	239
Total ..	621	645	825	658	416
Death-rate	31·4	29·8	38·1	30·4	35·0
Births	692	601	673	626	398
Birth-rate	35·0	27·7	31·1	28·9	33·5

FORT ST. GEORGE, (Signed) C. MALLINS, M.A., M.D., D.P.H., Surgn.-Major,
8th August 1895. *Ag. Inspr. of Vacn. & Dy. Sany. Commr.*

(Signed) K. SESHADRI AIYANGAR,
Chairman, Municipal Council, Srirangam.

28th September 1895.

Extract from the Proceedings of the Municipal Council, Srírangam, at the meeting held on the 28th September 1895.

* * * * *

Paragraph 1.—Read the Inspection notes of the Deputy Sanitary Commissioner, Madras.

The Inspection notes of the Deputy Sanitary Commissioner with the marginal remarks will be submitted to Government.

* * * * *

(Signed) K. SESHADRI AIYANGAR,
Chairman.

No. 1274-V.

Forwarded to the Chairman, Municipal Council, Srírangam, through the Collector of Trichinopoly.

2. Attention is requested to paragraph 2 of G.O. No. 1765 M., dated 23rd December 1893.

FORT. ST. GEORGE, (Signed) W. G. KING, Surgn.-Lieut.-Col.,
12*th August* 1895. *Sanitary Commissioner for Madras.*

Endt. on Cur. No. 2656-Rev.

Forwarded through the Head-quarters Deputy Collector.

2. Immediate attention is invited to the unfenced well (paragraph 3-*b*).

(Signed) J. ANDREW,
Acting Collector.

14*th August* 1895.

Forwarded.

(Initialled) QADIR NAWAZ KHAN,
Deputy Collector.

6*th September* 1895.

Endt. on Cur. No. 3346-Rev.

Forwarded.

2. I have made some remarks in the margin where they seemed called for.

(Signed) J. ANDREW,
Acting Collector.

22*nd October* 1895.

ORDER—No. 1997 M., dated 28th November 1895.

Recorded.

2. The Sanitary Engineer will be requested to state whether the present wells for the supply of water to Trichinopoly can be utilized for Srírangam also, and what will be the approximate cost of a water-supply scheme for the latter town.

(True Extract.)

J. F. PRICE,
Chief Secretary.

To the Chairman, Municipal Council, Srírangam.
" Collector of Trichinopoly.
" Sanitary Commissioner.
" Sanitary Engineer.
Editors' Table.

Exd. A. Raitt.

Govt. of {1895} Madras.

LOCAL AND MUNICIPAL.

Issued

Recd. *Encl.*

G.O., No. 1997 M., 28th Nov. 1895.

NOVEMBER.

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N. S.

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RR 26/11/95

WWS 28/11/95

Ch. Sec.
Coll.
S. Com.
S. Eng.
E.T.

Desp. 29/12/95

Without order

1997 m Vathiagiri 7

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1897 m

Rungasamy 4

Inspection Notes.

while the wells being in the vicinity of cess-pools are unfit for domestic purposes. Cholera appears in the town every year as shown in the table as per margin, being as a rule imported by the pilgrims who assemble in large numbers for the annual festivals. It would be very desirable that this state of affairs should be put a stop to, and the best means to this end would be the introduction of a pure water-supply. Such a supply is available at a short distance, *i.e.*, from the Cauvery river. If the present wells for the supply of Trichinopoly are insufficient to supply Srírangam also, a separate system should be established for the latter from the same source. All the machinery and plant necessary for the work are now on the spot and the present appears a good opportunity for starting the scheme which is an absolute necessity for a pilgrim resort.

Years.	Deaths from Cholera.	Rate per mille.
1885 ..	63	3·1
1886 ..	1	0·05
1887 ..	113	5·7
1888 ..	77	3·9
1889 ..	7	0·3
1890 ..	74	3·7
1891 ..	41	1·9
1892 ..	86	4·0
1893 ..	215	9·9
1894 ..	45	2·1

(*d*) In a town like this, where pilgrims resort and sanitation requires special superintendence, I think it is highly desirable that the hospital assistant or chief medical subordinate should be a member of the municipal council, as his opinion would then carry more weight and his advice would more probably be acted upon, while he could immediately take steps to correct matters when necessary without the delay entailed by reference to the council for sanction.

4. *Slaughter-house.*—This is a platform of concrete with a drain at the edge situated in a corner of a large walled enclosure in which the meat stalls are built. A roof should be provided and the floor repaired. A masonry cistern should be built to receive the gut contents. Ten to fifteen animals are slaughtered daily. It was leased for Rs. 124-4-0 last year.

5. *Markets.*—There are three straw markets, open spaces on the road side

Chairman's Remarks.

With reference to this remark and those of the Sanitary Commissioner in paragraph I (*c*) of his inspection notes on this municipality for the last year, the council resolves to undertake both the water and drainage schemes, provided the Government is pleased to grant half of the total costs, and provided that the other half is lent to the council under sinking fund arrangements.

There is no doubt that water and drainage schemes are badly wanted, and the sooner they are taken in hand the better. If the wells that will supply Trichinopoly can be made available for Srírangam, there would probably be a great saving in cash. The question of a loan is deserving of the favourable consideration of Government, especially as Srírangam is a place of pilgrim resort, and adjoins Trichinopoly, the largest mufassal town in the Madras Presidency.

(Intld.) J. A.
Ag. Collector.

But he is always at hand to advise the Chairman, and I don't well see what delays would be avoided. His being on the council would have some disadvantage.

(Intld.) J. A.
Ag. Collector.

The roof is under construction and the floor is under repair.

Provision will be made in the next budget.

Inspection Notes.	Chairman's Remarks.
domestic purpose. In a corner by the west gate in South Chitra street there is another open cess-pool; the owner should be compelled to build one of an approved pattern and make the necessary arrangement for periodically cleaning it.	make it fit for domestic purposes. This action of the council does not seem adequate and a copy of the above case be sent to the District Medical and Sanitary officer for his recommendation. (Intld.) J. A. *Ag. Collector.*
3. *Water-supply.*—(*a*) Drinking water is obtained from the Nattuvaikal channel and its branches and from a few wells in the town. Certain places are set apart in the former for drinking as well as for washing purposes—one with a watchman at Nattuvaikal steps and the other near the Madras trunk road bridge. The arrangement is very unsatisfactory as I myself saw women filling their vessels at the same spot where others were bathign and washing clothes, the watchman being apparently powerless in the matter as they paid no attention to him. On another occasion at 11-30 A.M. no watchman was present and bathing and washing clothes were being freely carried on at the drinking steps.	Will be soon attended to.
(*b*) All the wells in the town are circular in shape, but the mouth of each is made square by four slabs level with the top of the parapet walls, on which those using them stand to draw water. These slabs should be removed and water drawn by ropes running over pulleys fixed in a cross beam over the well. The wells are close to dwelling-houses and in several cases within a few yards of cess-pools. In Barber street there is a small private well close to dwelling-houses without any parapet or platform. In its present state it is very dangerous to children and passers-by, and the owner should be required to protect it. In the third ward a portion of the Nattuvaikal is set apart for drinking-water. People, however, use any part convenient for the purpose, and as the water has already been polluted by bathing and washing clothes in the upper part of its course, its use anywhere below for drinking purposes is objectionable.	A bye-law will be made to prevent persons who take drinking water in places other than those set apart for this purpose. The watchman is warned. These have been strictly prohibited.
(*c*) The supply of drinking-water is thus seen to be most unsatisfactory being derived from open streams, viz., the Nattuvaikal channel and other smaller irrigation channels, and from wells in the town. Both these sources are most objectionable. The open channels are fouled in their course by bathing and washing and liable to pollution and contamination on all sides,	Provision will be made in the next budget. Parapet has since been raised by the owner.

Inspection Notes.

2. *Conservancy.*—There are sixteen public latrines. Eight are open spaces with masonry walls and earthen floors and eight have walls of bamboo tatties. All were clean at the time of inspection. In the third ward there is only one female latrine, the tatties of which have disappeared. Its situation on the banks of a water channel is objectionable. It should be erected elsewhere and more latrines provided for this quarter. Air-tight receptacles standing on stone slabs should be provided outside each of them for the reception of night-soil. There are 1,892 private latrines, of which 1,004 are cleaned by municipal agency. The strength and pay of the conservancy establishment is shown below :—

		Rs.
3	sanitary inspectors on	15-0-0 each.
10	peons	5-0-0 ,,
12	sweepers	4-0-0 ,,
1	sweeper	3-0-0
4	toties	3-8-0 each.
6	,, ...	3-0-0 ,,
10	,, ...	2-8-0 ,,
	Private Scavenging.	
1	inspector	10-0-0
5	toties	4-8-0 each.
13	,, ...	3-8-0 ,,

There are four single bullock iron night-soil carts (one out of repair) and four double bullock wooden ones. In these the matter collected is removed to the depôt about half a mile from the town on the Maloor road and there buried in deep trenches about three feet square in section. The depôt is well looked after and quite free from smell; but the trenches are too deep. The present site has lately been opened, the previous one having been leased for cultivation for three years at Rs. 28. Many of the larger houses are provided with large masonry cess-pools which are said to be emptied on requisition of the owners about once a year. In East Adalavalagam street, outside the second wall of the town, there are five large open cess-pools, seething masses of filth in holes dug in the ground. I am informed that the owners of these have been prosecuted several times but always let off, and so the nuisance continues. In North Adalavalagam street opposite a large chattram there are two wells within a few yards of these cess-pools. As all the ground in their vicinity must be soaked with the filth of years, these wells should be closed altogether as unfit for any

Chairman's Remarks.

Tatties that were blown away by wind at the time of Deputy Sanitary Commissioner's inspection have since been put up. The latrine referred to, which is a male one, will be soon removed to a less objectionable place.

Provision for more latrines will be made in the next budget.

Will be considered at the time of the budget.

The council will again try prosecution.

The council will order the alteration of the cess-pools referred to herein according to the approved form. The inhabitants in the locality depend for their supply of water upon these wells and the council will pump out the existing water so as to

1997

No. 1, Local and Municipal, 25th November 1895.

GOVERNMENT OF MADRAS.

LOCAL AND MUNICIPAL DEPARTMENT.

Read—the following paper:—

From M.R.Ry. K. SESHADRIYENGAR Avergal, Chairman, Municipal Council, Srírangam, to the Chief Secretary to Government (through the Collector of Trichinopoly), dated 10th October 1895, No. 262.

Adverting to G.O. No. 1765 M., Local and Municipal, dated 23rd December 1893, I have the honour to submit herewith the inspection notes of the Inspector of Vaccination and Deputy Sanitary Commissioner, Madras, on this Municipality, with the marginal replies of the council made thereon, at its meeting held on the 28th ultimo, and also a copy of the resolution of the council, as regards this subject.

Enclosure.

Inspection Notes of the Inspector of Vaccination and Deputy Sanitary Commissioner, Madras.

TRICHINOPOLY DISTRICT.

Srirangam Municipality.

Inspected 25th to 27th July 1895.

Population as per census of 1891 .. { Males .. .. 10,238 / Females .. .. 11,394 } Total .. 21,632

Inspection Notes.	Chairman's Remarks.
Roads.—The roads in Srírangam itself, as a rule, are in good order and all are cleanly kept. There is no proper system of drainage, but at the angles of all the main streets there are large well-built catch-pits for silt to prevent choking of the culverts. These should be well cleared out periodically, as at present they are filled up and useless. The municipality during the past year have constructed some new-covered drains of an excellent pattern. The system should be extended as funds permit.	Will be attended to.
There are 96 dust-bins. Eighty-three of these are rectangular structures of brick and chunam and thirteen are moveable circular iron ones. More of these are required, especially in Teppakulam street and in the third ward. The rubbish is removed by the municipality direct to the fields of those purchasing it, and consequently no depôt is maintained. Rupees 742 were realised from its sale last year.	Twenty more have been sent for for the present and some of these will be used in Teppakulam street and in third ward. More will be added in future.
The third ward is at some distance from the town itself. With the exception of the Car street round the temple, the roads have apparently never been properly laid down and require attention.	The council is steadily increasing the extent of the metal roads herein referred to. The good condition of these roads will obtain the attention of the council.

Govt. of {1895} Madras.

LOCAL AND MUNICIPAL.

as.

Proof for approval.

10/12/95

Issued

Recd. Encl.

G.O., No. 1997 M., 28th Nov. 1895.

Press

Please strike off

NOVEMBER. 5 ✓

4.12.95

Inspection Notes.

Recording the Deputy Sanitary Commissioner's — on the Srírangam Municipality, and requesting the Sanitary Engineer to report on certain points in connection with the water-supply of the town.

No. 1997 L., Local and Municipal, 28th November 1895.

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Inspection Notes.

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Private Scavenging.

1	inspector	10–0–0	
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Provision for more latrines will be made in the next budget.

Will be considered at the time of the budget.

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Inspection Notes.

Adalavalagam street opposite a large chattram there are two wells within a few yards of these cess-pools. As all the ground in their vicinity must be soaked with the filth of years, these wells should be closed altogether as unfit for any domestic purpose. In a corner by the west gate in South Chitra street there is another open cess-pool ; the owner should be compelled to build one of an approved pattern and make the necessary arrangement for periodically cleaning it.

3. *Water-supply.*—(*a*) Drinking water is obtained from the Nattuvaikal channel and its branches and from a few wells in the town. Certain places are set apart in the former for drinking as well as for washing purposes—one with a watchman at Nattuvaikal steps and the other near the Madras trunk road bridge. The arrangement is very unsatisfactory as I myself saw women filling their vessels at the same spot where others were bathing and washing clothes, the watchman being apparently powerless in the matter as they paid no attention to him. On another occasion at 11–30 A.M. no watchman was present and bathing and washing clothes were being freely carried on at the drinking steps.

(*b*) All the wells in the town are circular in shape, but the mouth of each is made square by four slabs level with the top of the parapet walls, on which those using them stand to draw water. These slabs should be removed and water drawn by ropes running over pulleys fixed in a cross beam over the well. The wells are close to dwelling-houses and in several cases within a few yards of cess-pools. In Barber street there is a small private well close to dwelling-houses without any parapet or platform. In its present state it is very dangerous to children and passers-by, and the owner should be required to protect it. In the third ward a portion of the Nattuvaikal is set apart for drinking-water. People, however, use any part convenient for the purpose, and as the water has already been polluted by bathing and washing clothes in the upper part of its course, its use anywhere below for drinking purposes is objectionable.

(*c*) The supply of drinking-water is thus seen to be most unsatisfactory being

Chairman's Remarks.

The council will order the alteration of the cess-pools referred to herein according to the approved form. The inhabitants in the locality depend for their supply of water upon these wells and the council will pump out the existing water so as to make it fit for domestic purposes.

This action of the council does not seem adequate and a copy of the above case will be sent to the District Medical and Sanitary officer for his recommendation.

(Intld.) J. A.
Ag. Collector.

Will be soon attended to.

A bye-law will be made to prevent persons who take drinking water in places other than those set apart for this purpose.

The watchman is warned.

These have been strictly prohibited.

Provision will be made in the next budget.

Parapet has since been raised by the owner.

Inspection Notes.

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1888 ..	77	3·9
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1890 ..	74	3·7
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1894 ..	45	2·1

(*d*) In a town like this, where pilgrims resort and sanitation requires special superintendence, I think it is highly desirable that the hospital assistant or chief medical subordinate should be a member of the municipal council, as his opinion would then carry more weight and his advice would more probably be acted upon, while he could immediately take steps to correct matters when necessary without the delay entailed by reference to the council for sanction.

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5. *Markets.*—There are three straw markets, open spaces on the road side

Chairman's Remarks.

With reference to this remark and those of the Sanitary Commissioner in paragraph I (*c*) of his inspection notes on this municipality for the last year, the council resolves to undertake both the water and drainage schemes, provided the Government is pleased to grant half of the total cost, and provided that the other half is lent to the council under sinking fund arrangements.

There is no doubt that water and drainage schemes are badly wanted, and the sooner they are taken in hand the better. If the wells that will supply Trichinopoly can be made available for Srirangam, there would probably be a great saving in cash. The question of a loan is deserving of the favourable consideration of Government, especially as Srirangam is a place of pilgrim resort, and adjoins Trichinopoly, the largest mufassal town in the Madras Presidency.

(Intld.) J. A.
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But he is always at hand to advise the Chairman, and I don't well see what delays would be avoided. His being on the council would have some disadvantage.

(Intld.) J. A.
Ag. Collector.

The roof is under construction and the floor is under repair.

Provision will be made in the next budget.

Inspection Notes.

railed off with bamboo or iron rails fixed to stone uprights. The three vegetable markets are situated close to the east, north and south gates, respectively. They are small thatched stalls with raised platforms of brick and mud which require repair. There is also a vegetable market in East Adalavalagam street. They realised Rs. 401 last year.

6. There is no cholera shed provided for the town. The place used every year is an old mantapam with a rough-stone floor, at present used for stabling cattle. It is quite unsuited for the purpose. I would suggest that a skeleton building of iron frame work be provided on a raised well-made cemented platform capable of being thatched and provided with tatty walls when required for use.

7. *Vaccination* is in charge of first-class vaccinator R. Vijayaragavaloo; service 15½ years, 11½ of which has been spent here; pay Rs. 15; monthly minimum 90 cases. All operations are direct from the calf, which is said to be obtained twice monthly from Trichinopoly depôt. An examination of his register shows that in January 35 cases only were vaccinated; during this month he is said to have been on cholera duty—

	Cases.	
February ..	101	
March ..	60	Below minimum.
April ..	51	
May ..	12	
June ..	*nil* up to 24th.	
July ..		

On the 25th, nineteen cases were vaccinated.

This is most unsatisfactory work and no notice had been taken of it.

In the streets I examined 230 children. Of these, 33 or 14·3 per cent. were unprotected. This cannot be relied upon as a fair test of the state of vaccination, as I detected the probationer (who was assisting me) in reporting unprotected cases as vaccinated; moreover, unvaccinated children were hidden away by their parents on my approach.

The probationary vaccinator was appointed on 15th April 1895 and has been drawing Rs. 5 monthly. He has done no work whatever, nor does he yet know how to vaccinate. He should be dismissed. There does not appear to be any necessity for continuing the appointment as the results shown above certainly do not indicate a pressure of work.

Chairman's Remarks.

The estimate for necessary repairs has been ordered.

Will be considered at the time of the budget.

The conduct of the vaccinator was taken notice of by the Chairman with the result that 41 more cases were vaccinated before the end of the month.

The post of the probationary vaccinator will cease from the 1st October 1895.

Inspection Notes.

The following shows the result of inspection of school children :—

(1) Salary-result school of 28 children—vaccinated 23, small-pox 3, unprotected 2.

(2) Town middle school of 63 children—vaccinated 45, small-pox 8, unprotected 10—

Chairman's Remarks.

—	1891.	1892.	1893.	1894.	1895 up to 18th July.
Number vaccinated	1,164	1,164	975	1,104	325
Do. successfully	1,088	1,101	919	1,019	316
Do. from arm-to-arm	533	587	543	379	9
Do. one year of age	327	392	440	352	111
Number verified by inspecting officer	242	236	105	191	7
Births	692	601	673	626	398

8. *Registration.*—There is one registrar on Rs. 10 per mensem. He is a very old and weakly man quite unfitted for the post. A young and active man capable of keeping his returns and records in English should be appointed. Births and deaths are reported by the Sanitary Inspectors and occasionally by the relatives of the persons concerned. The death-rate is very high and may partly be accounted for by the numbers of pilgrims who arrive in a dying state with the object of spending their last hours in the vicinity of the temples :—

The services of the present registrar will be dispensed with from the 1st proximo.

—	1891.	1892.	1893.	1894.	1895 up to 18th July.
Deaths from—					
Cholera	41	86	215	45	70
Small-pox	6	6	16	3	..
Fevers	108	105	95	94	82
Dysentery and diarrhœa ..	37	29	40	56	25
All other causes	429	419	459	460	239
Total ..	621	645	825	658	416
Death-rate	31·4	29·8	38·1	30·4	35·0
Births	692	601	673	626	398
Birth-rate	35·0	27·7	31·1	28·9	33·5

FORT ST. GEORGE, 8*th August* 1895. (Signed) C. MALLINS, M.A., M.D., D.P.H., Surgn.-Major, *Ag. Inspr. of Vacn. & Dy. Sany. Commr.*

28*th September* 1895. (Signed) K. SESHADRI AIYANGAR, *Chairman, Municipal Council, Srirangam.*

Extract from the Proceedings of the Municipal Council, Srírangam, at the meeting held on the 28th September 1895.

* * * * *

Paragraph 1.—Read the Inspection notes of the Deputy Sanitary Commissioner, Madras.

The Inspection notes of the Deputy Sanitary Commissioner with the marginal remarks will be submitted to Government.

* * * * *

(Signed) K. SESHADRI AIYANGAR, *Chairman.*

No. 1274-V.

Forwarded to the Chairman, Municipal Council, Srírangam, through the Collector of Trichinopoly.

2. Attention is requested to paragraph 2 of G.O. No. 1765 M., dated 23rd December 1893.

FORT. ST. GEORGE, 12*th August* 1895. (Signed) W. G. KING, Surgn.-Lieut.-Col., *Sanitary Commissioner for Madras.*

Endt. on Cur. No. 2656-Rev.

Forwarded through the Head-quarters Deputy Collector.

2. Immediate attention is invited to the unfenced well (paragraph 3-*b*).

(Signed) J. ANDREW, *Acting Collector.*

14*th August* 1895.

Forwarded. (Initialled) Qadir Nawaz Khan.

(Signed) , *Deputy Collector.*

6*th September* 1895.

Endt. on Cur. No. 3346-Rev.

Forwarded.

2. I have made some remarks in the margin where they seemed called for.

(Signed) J. ANDREW, *Acting Collector.*

22*nd October* 1895.

ORDER—No. 1997 M., dated 28th November 1895.

Recorded.

2. The Sanitary Engineer will be requested to state whether the present wells for the supply of water to Trichinopoly can be utilized for Srírangam also, and what will be the approximate cost of a water-supply scheme for the latter town.

(True Extract.)

Chief Secretary.

To the Chairman, Municipal Council, Srírangam.
" Collector of Trichinopoly.
" Sanitary Commissioner.
" Sanitary Engineer.
Editors' Table.

Exd. A. Raitt.

Govt. of {1895} Madras.

LOCAL AND MUNICIPAL.

as
Proof for approval.
11
10/12/95

Issued

Revd. Encl.

G.O., No. 1997 M., 28th Nov. 1895.

Press
Please strike off
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4.12.95

Inspection Notes.

Recording the Deputy Sanitary Commissioner's — on the Srirangam Municipality, and requesting the Sanitary Engineer to report on certain points in connection with the water-supply of the town.

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READ AGAIN G.O., No. 189 , DATED

CURRENT No.

ENCLOSURES TO G. No.

ORDER OF GOVERNMENT.

LETTER OF GOVERNMENT.

STATEMENT WITH G.O.

PAPERS NOT FILED OF, BEING WANT FOR DESPATCH IN ORIGINAL.

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BACK PAPERS.

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

FURTHER PAPERS.

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

[1]

INDEXED.

PRESS.

LOCAL AND MUNICIPAL DEPARTMENT.
G.O., DATED 28-11-95
No. 1997 m

First copy sent to Press. 29/11/95
Returned for signature. 1/12/95
Despatched in print. 2/12/95

[Despatch Abstract.]

Inspection notes

Recording the Dy. Sanitary Comm.rs's ——— on the Tauranga Municip.y's requesting the Sanitary Engr to report on certain points in connection with the Water supply of the Town.

Back Paper, No. 9 of 18

Further Paper, No. of 18

Read again Order of Government, dated
18 , No.

Enclosures.

Current No. 3202 M. already in type

Press Saturday 28/11/95

Statement with ditto.

Order, &c., of Government—A.

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Govt. of {1895} Madras.

LOCAL AND MUNICIPAL.

Issued

Recd. *Encl.*

G.O., No. 1997 M., 28th Nov. 1895.

NOVEMBER.

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