(1) பக்கங்களின் எண்ணிக்கை _____

(2) புதுக்கித் திருப்பிய நாள் _____

(3) ஆதாரங் குறிப்பவர் கருக்கொப்பம் _____

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

_____ துறை

அரசாணை என். 295 — 96
மு. கோப்புத் தாள் என்.

அச்சகம்
பலவகை

நாள் : 30. 3. 1889 199

19

மடிக்கவோ கூண்டபடி கையாளவோ கூடாது.

ஆவண. கா. 1—18,006—6-9-90.

Office of Sanitary Commissioner

No 447 Madras 25th March 1889

From 27/30

Surgeon Major J. A. Laing

Sanitary Commissioner for Madras

To

The Chief Secretary to Government

Public Department

Fort St. George

Sir,

I have the honor to forward for the information of Government and publication in the Fort St. George Gazette the usual abstract statements of births and deaths in the districts and municipalities of the Madras Presidency for the month of November 1888.

2. The returns disclose an enhanced mortality and reduced birth rate generally during the month

week compared with the past months of the year; the corresponding months of the past year and the average of five previous corresponding periods. In the statement appended to this the district mortality rates in comparison with those of Bengal, North-West Provinces and the Punjab for the same periods.

	Districts			Towns				
	Births	Deaths	Birth rate	Death rate	Births	Deaths	Birth rate	Death rate
Average of 5 previous corresponding months	73740	59977	31·5	2·31	5108	4838	36·4	31·1
November	1827	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
January	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
February	1998	74178	32·0	22·9	5351	5170	34·7	33·5
March	[illegible]	[illegible]	26·3	32·1	5003	9035	32·4	52·1
April	[illegible]	[illegible]	24·3	23·5	4453	9917	28·9	37·7
May	[illegible]	[illegible]	[illegible]	2·10	[illegible]	[illegible]	[illegible]	31·7
June	[illegible]	[illegible]	27·5	18·6	5048	4610	32·6	28·4
July	70356	43732	30·1	18·7	5248	4304	33·8	27·7
August	73483	46652	31·9	20·3	5000	4656	32·4	30·0
September	71207	49652	34·9	24·3	5256	4605	33·9	29·7
October	77822	49564	33·7	21·7	5758	4755	33·7	30·8
November	[illegible]	[illegible]	32·2	24·4	5739	4001	31·6	25·9
December	78372	44534	32·9	19·2	4904	4242	31·5	27·1
	73601	47879	31·1	19·2	4299	3355	33·6	29·0

	Deaths per thousand persons living	
Bengal	25·4	
North-West Provinces	41·7	
Punjab	40·0	
Madras	20·1	

7. In the following tables the birth and death rates in the districts and towns are given in the order of occurrence from highest to lowest. It will be seen that they varied considerably in both — much more so in the towns than in the districts. The difference between the maximum and minimum birth and death rates in the districts are 25·4 and 24·6 respectively while in the towns they are 5·60 and 42·4. Among the districts Chingleput returned the highest birth rate 43·2 and Kurnool the highest death rate 28·0 closely rivaling Madras. Nilgiris returned the lowest rates both as regards births and deaths 17·8 and 11·1 respectively. Among the towns the highest birth rate 57·6 occurred in Erode and the lowest by far in Tirupati 3·6.

Bezwada

		Births	Deaths	Excess of Births over Deaths
Districts		37810	35791	105·6
		24317	22762	106·8
Municipalities		2702	2525	107·0
		2242	2113	106·0

		Chronic Illness	Measles	Scarlatina	Total	Rate per mille per annum: Chronic Illness	Measles	Scarlatina	Total
Districts	Births	1264	6837	3960	73601	23·4	32·0	26·2	31·4
	Deaths	832	4370	2541	67071	15·4	20·5	16·8	20·1
Municipalities	Births	356	4165	706	5227	34·8	33·8	32·4	33·6
	Deaths	237	3534	584	43555	23·1	28·6	26·8	28·0

5. considered with the population the total births in the districts, including [illegible] yield a ratio of 31·4 per mille per annum and the total deaths, a ratio of 20·1 per mille. In the municipalities the ratios are 33·6 and 28·0 respectively.

6. In the following table the birth and death ratios and the actual registered results are as usual

Bezwada stands the 13th on the
list as regards the birth rate & 1 and
Coimbatore at the bottom with 7·7

Stations	Birth rate per mille per annum	Stations	Death rate per mille per annum
Cuddapah	43·2	Madras	35·7
Bellary	43·2	Kurnool	29·0
Salem	42·5	Vizianagram	27·6
Madras	42·3	Bellary	27·2
Kistna	39·3	South Arcot	24·7
Kurnool	38·6	Coimbatore	24·0
Anantapur	35·7	Anantapur	23·1
North Arcot	34·9	Salem	22·7
Coimbatore	33·2	Tanjore	21·6
Madura	32·9	Trichinopoly	21·3
South Arcot	32·0	Cuddapah	21·2
Cuddapah	31·0	Madura	20·9
Vizianagram	30·4	North Arcot	20·7
Trichinopoly	30·0	Vizagapatam	19·7
Nellore	29·0	Coimbatore	18·9
South Canara	27·6	Kistna	17·0
Godavari	26·8	Godavari	16·6
Tanjore	26·7	Ganjam	15·2
Vizagapatam	26·5	Malabar	13·3
Ganjam	21·2	Vizagapatam	13·2
Malabar	20·2	Nellore	13·2
Nilgiris	17·8	Nilgiris	11·1

Municipalities	Birth rate per mille per annum	Municipalities	Death rate per mille per annum
Erode	59·6	Bezwada	50·1
Angole	56·0	Kurnool	48·4
Coimbatore	51·1	Walajapet	39·2
Vaniyambadi	48·2	Anantapur	39·1
Karur	48·2	Erode	38·7
Tuticorin	47·9	Mayavaram	38·0
Bezwada	47·5	Tuticorin	36·1
Anakapalle	46·7	Madras	35·7
Dindigul	45·5	Angole	35·2
Bimlipatam	43·3	Madura	35·1
Madras	42·3	Bellary	35·0
Adoni	42·2	Berhampore	34·5
Ongeveram	41·5	Cuddalore	33·3
Madura	40·7	Dindigul	32·9
Anantapur	39·1	Chellumberam	32·0
Periyakulam	38·9	Ongeveram	31·8
Pudupalam	37·3	Coimbatore	30·1
Kurnool	37·1	Coonoor	30·1
Cellore	35·8	Vizianagram	29·2
Vizianagram	35·6	Kumbakonam	28·9
Salem	35·6	Srirangam	28·5
Calicut	35·6	Mangalore	26·1
Guntur	34·8	Salem	25·3
Srirangam	34·6	Salur	25·2
Tanjore	34·4	Anakapalle	25·1
Cocanada	33·6	Nagahmendy	24·9
Chingleput	33·4	Cuddalore	24·6
Mayavaram	33·3	Vizagapatam	24·1
Cuddalore	32·8	Pambamba	24·1
Trichinopoly	32·6	Cuddapah	24·0
Ootacamund	31·1	Cellore	23·9
Salur	30·6	Cocanada	23·9
Coonoor	30·4	Tuticorin	23·7
Tuticorin	30·2	Pudupalam	23·7
Guntur	30·1	Tanjore	23·5
Ongole	30·0	Palamcottah	23·3
Berhampore	29·4	Tanjore	23·2
Cuddapah	29·0	Palghat	23·1
Negapatam	28·9	Bimlipatam	22·3
Masulipatam	27·7	Mannargudi	22·2
Rajahmundry	27·3	Cocanada	22·0
Kumbakonam	27·3	Trichinopoly	21·7
Nellore	27·0	Guntur	21·3
Salur	27·0	Ichapoor	20·9
Mangalore	26·1	Trappali	20·8
Chellumberam	25·4	Cellore	19·1
Palghat	24·8	Adoni	18·7
Bellary	24·2	Vellore	18·4
Tennevelly	23·2	Karur	18·2
Coimbatore	21·8	Pennyakulam	17·5
Mannargudi	21·6	Pardakmedi	17·1
Pardakmedi	18·7	Telicherry	17·0
Trichinopoly	18·3	Cannanore	16·8
Cuddalore	17·3	Negapalam	16·5
Negapalam	16·9	Masulipatam	14·3
Trinipali	3·6	Colicammund	7·7

9. Principal causes of death:— The following table will give the mortality from the principal specified diseases compared with previous

Districts								
Chingleput	1817	2292	1674	2091	2346	861	2076	13460
Tanjore	1180	1167	1740	2456	2167	918	2278	13006
Trichinopoly		911	1791	1997	2154	772	2278	13452
South Arcot		642	2662	1661	1323	987	2282	13777
North Arcot		2237	2200	1487	1			
Salem		1677	1729	1395	1719			
Coimbatore		2681	1891	1624	2124	1015		
Madura		4082	1755	1669	2471	922	2409	15152
Tinnevelly		3569	1499	1629	2640	970	2362	15869
Malabar		3003	418	1370	2485	1104	2178	14115
Kistna		1018	1242	1705	2207	978	2401	14684
Nellore		1498	1473	1766	2327	948	2409	13779
Ceded districts								
Bellary	1817	283	177	1161	704	52	2078	3270
Cuddapah	1818	2762	207	1222	769			
Kurnool		1284	273	1047	599			
Anantapur		412		1187	509			
Coimbatore		308		912	499			
Chittoor		186	221	894				4756
June		320	232	849	679			4605
July		636	204	814	579			4755
Cuddapah		603	169	927	712		2297	4001
Nellore		120	122		519			4212
Chittoor		123	106	976	564			4363
Anantapur		164	28		620			

9. Cholera caused 1496 deaths against 1816 in the previous month; of these 164 occurred in the towns against 125. Of the districts in which the disease prevailed South Canara suffered the most 304 deaths and Nellore and Kurnool the least 2 — each. Six districts were entirely free of the pest. Among the towns the greatest cholera mortality 71 occurred in Cuddalore and the smallest in Cuddapah. The disease appeared in only nine out of the sixty-six towns. Small-pox carried off 1473 individuals in the districts and 99 in the towns against 1292 and [illegible] respectively in the preceding month. The disease was prevalent in all the districts, except two; but mostly so in Ganjam where 189 deaths were recorded. Among the towns Kurnool returned the

the greatest small-pox mortality (19). He was absent in thirty one famine years caused 16966 deaths in the districts and bowel-complaints 9317. In the towns the numbers were 103 and 620 respectively. In round all the districts suffered more or less from both diseases. The greatest fever mortality 1409 occurred in Cuddapah and the lowest 67 in Nilgiris. Chingleput returned the largest number of deaths from bowel-complaints 371 and Salem the deaths from fever amounted 1213. Among the towns there are no deaths from fever or bowel complaints returned. Madras (town) returned the greatest number of deaths both diseases and bowel-complaints 260 and 202 respectively. Next to it comes Madura with 44 and 46 deaths. Famine caused 848 deaths of which 50 occurred in the towns and the deaths from "all other causes" numbered 23969 in the districts and 2520 in the towns.

hours. Of the total deaths from injuries 184 were self-inflicted, 490 were from wounds and accidents and 174 persons were either killed by wild beasts or snakes.

10. The following tables show the deaths from the principal specified diseases in each district and town.

Districts	Cholera	Districts	Small-pox	Districts	Fever	Districts	Bowel Complaints
South Canara	304	Ganjam	189	Cuddapah	1400	Chingleput	371
South Arcot	299	South Arcot	181	Godavari	1372	Madras	316
Bellary	150	Kurnool	157	North Arcot	1241	Madura	212
Ganjam	134	North Arcot	133	Salem	1213	South Canara	176
Chingleput	120	Tanjore	123	Malabar	1208	North Arcot	148
Tanjore	116	Bellary	112	South Arcot	1178	Coimbatore	129
Anantapur	116	Salem	112	Vizagapatam	1149	South Arcot	124
North Arcot	57	Madura	106	Coimbatore	1055	Tanjore	113
Malabar	57	Trichinopoly	94	Kurnool	1038	Tinnevelly	109
Salem	56	Cuddapah	89	Kistna	926	Madura	92
Cuddapah	34	Malabar	46	Ganjam	870	Bellary	90
Tinnevelly	24	Tinnevelly	44	Nellore	726	Salem	83
Trichinopoly	13	Anantapur	26	Madura	682	Cuddapah	64
Madras	12	Chingleput	23	Trichinopoly	496	Godavari	54
Nellore	2	Coimbatore	19	Trichinopoly	491	Trichinopoly	51
Kurnool	2	Nellore	8	South Canara	471	Anantapur	44
Vizagapatam	-	South Canara	5	Bellary	415	Vizagapatam	42
Godavari	-	Vizagapatam	2	Tinnevelly	315	Ganjam	32
Kistna	-	Kistna	2	Tanjore	271	Nellore	32
Madura	-	Madras	2	Madras	260	Kistna	31
Coimbatore	-	Godavari	-	Anantapur	122	Kurnool	30
Nilgiris	-	Nilgiris	-	Nilgiris	67	Nilgiris	5

Municipalities	Cholera	Municipalities	Small Pox	Municipalities	Fevers	Municipalities	Bowel Complaints
Cuddalore	78	Kurnool	19	Madras	266	Madras	202
Chellumberam	28	Madura	11	Madura	64	Madura	46
Salem	18	Salem	10	Trichinopoly	39	Tanjore	29
Mangalore	14	Trichinopoly	9	Kurnool	19	Trichinopoly	28
Madras	12	Seringapatam	9	Berhampore	31	Tinnevelly	25
Anantapur	9	Tanjore	5	Salem	29	Calicut	23
Bellary	7	Dindigul	5	Bellary	28	Negapalam	21
Trenpaly	6	Vellore	4	Kumbakonum	25	Tuticorin	16
Cuddapah	1	Gudiyalam	4	Coimbatore	22	Cuddapah	15
Calicut		Calicut	3	Seringapatam	19	Mannargudi	15
Berhampore		Negapalam	3	Palakmedu	18	Cuddalore	14
Palakmedu		Madras	2	Rajahmundry	18	Mayavaram	12
Negapalam		Kumbakonum	2	Tanjore	17	Mangalore	12
Bimlipatam		Cannanore	2	Chicacole	15	Trenpaly	11
Vizianagrum		Chicacole	1	Gunlur	15	Pennyakulam	10
Anakapalle		Palakmedu	1	Adam	15	Negapalam	9
Cocanada		Vellore	1	Vellore	15	Kumbakonum	9
Rajahmundry		Coimbatore	1	Negapalam	14	Coimbatore	9
Ellore		Palmi	1	Trichinopoly	13	Vizianagrum	8
Masulipatam		Trenpaly	1	Calicut	12	Berhampore	7
Gunlur		Tanjore	1	Vellore	12	Gudiyalam	7
Benzwada		Coimbatore	1	Trenpaly	12	Salem	7
Vellore		Erode	1	Coimbatore	11	Bimlipatam	7
Ongole		Coimbatore	1	Tanjore	11	Tellore	6
Coimbatore		Karur	1	Tellicherry	11	Ellore	5
Trichinopoly		Tellicherry	1	Anakapalle	10	Seringapatam	5
Seringapatam		Berhampore		Bimlipatam	10	Palghat	5
Tanjore		Bimlipatam		Mayavaram	10	Benzwada	4
Kumbakonum		Vizianagrum		Tuticorin	9	Cocanada	4
Mayavaram		Anakapalle		Cuddalore	9	Rajahmundry	4
Negapalam		Cocanada		Walapapet	9	Ongole	4
Mannargudi		Rajahmundry		Trenpaly	8	Chellumberam	4
Madura		Ellore		Mangalore	8	Dindigul	4
Pennyakulam		Masulipatam		Cocanada	7	Kurnool	3
Dindigul		Gunlur		Ongole	7	Bellary	4
Palmi		Benzwada		Chellumberam	7	Erode	4
Tinnevelly		Ongole		Pennyakulam	7	Cochin	4
Palamcottah		Cuddalore		Gudiyalam	7	Palamcottah	3
Tuticorin		Chellumberam		Palghat	7	Cuddapah	3
Kurnool		Mayavaram		Cochin	6	Anakapalle	2
Adoni		Negapalam		Masulipatam	5	Tellicherry	2
Vellore		Mannargudi		Dindigul	5	Cannanore	2
Gudiyalam		Pennyakulam		Cuddapah	5	Chicacole	1
Walapapet		Tinnevelly		Ellore	4	Gunlur	1
Vaniyambadi		Palamcottah		Cochin	4	Ellore	1
Trenpaly		Tuticorin		Cannanore	4	Palmi	1
Coimbatore		Cuddapah		Benzwada	3	Anantapur	1
Erode		Bellary		Erode	3	Trenpaly	1
Karur		Adoni		Palakmedu	3	Coimbatore	1
Palacamund		Anantapur		Palmi	2	Karur	1
Coonoor		Trenpaly		Karur	2	Palakmedi	
Tellicherry		Trinpaly		Bimlipatam	1	Masulipatam	
Calicut		Palacamund		Seringapatam	1	Adoni	
Palghat		Coonoor		Mannargudi	1	Walapapet	
Cochin		Mangalore		Tinnevelly	1	Vaniyambadi	
Cannanore		Palghat		Anantapur	1	Karur	
		Cochin		Palamcottah		Palacamund	

11. Towns of 25000 inhabitants and upwards. The registered events in the towns (Palacamund included) in a population of 906380 amounted in November to 2247 births and 1831 deaths, yielding ratios of 29·7 and 24·2 per mille per annum respectively. Compared with the registered results of the twenty-eight great towns of England and Wales and the first class towns of Bengal they stand thus:—

	Births per mille per annum	Deaths per mille per annum
Twenty-eight great towns of England & Wales	35·6	21·7
First class towns of Bengal	29·5	37·5
Madras	29·7	24·2

12. The following table gives the particulars for each of the towns.

	Population	Cholera	Small Pox	Fever	Bowel Complaints	Dysentery	Ill defined causes	Total deaths	Total admissions
Trichinopoly	84449	.	9	39	28	1	76	153	129
Madura	76847	.	11	44	46	8	116	225	261
Salem	57631	16	10	39	7	2	62	126	177
Coimbatore	57085	.	3	13	23	3	72	114	144
Tanjore	54745	.	5	17	29	2	53	106	140
Negapatam	53776	.	.	14	20	1	39	74	76
Bellary	53160	7	.	28	4	2	115	156	108
Rumbukonum	50098	.	2	25	9	1	84	121	114
Cuddalore	43545	28	.	7	4	.	14	53	63
Vellore	40958	.	1	15	6	2	36	63	104
Combaconum	38967	.	1	22	9	1	65	98	166
Nagercoil	37273	.	1	11	18	1	71	99	129
Palghat	36339	.	.	7	5	2	56	70	108
Masulipatam	35056	.	.	5	.	.	37	42	81
Mangalore	32099	14	.	8	12	.	40	74	70
Cocanada	30441	.	.	7	4	.	45	56	87
Vizagapatam	30291	.	2	13	9	1	36	61	73
Bellore	27505	.	1	12	1	1	40	55	62
Cannanore	26386	.	2	4	2	1	28	37	48
Ellore	25092	.	.	4	6	1	30	40	75
Coimbatore	12335	.	.	3	.	.	5	8	32
Total	906380	65	51	327	238	30	1120	1831	2247

I have the honor to be
Sir
your most obedient servant

Jas Cheadle Paul
Surgeon Major
Sanitary Commissioner for Madras

Public Department

From

Surgeon Major J.A. Laing
Sanitary Commissioner
for Madras

To

The Chief Secretary
to Government
Public Department

Recd 26 } Novr 1889
Regd —
Read —

No 447

Enclosure

Subject

Forwards vital Statistical
reports of the districts and
municipalities of the Madras
Presidency for November 1888

PROCEEDINGS OF THE MADRAS GOVERNMENT

letter from the Sanitary Commissioner, dated 25th March/89. No. 447.

ORDER thereon, 30th March/89 No. 296

Recorded.

The [illegible] to be published in the Fort St. George Gazette.

To the Revenue Department. 7

" Board of Revenue. 24

" Surgeon-General with the Government of Madras.

" Sanitary Commissioner. 23

H. E.

PUBLIC DEPARTMENT.

(Sanitary.)

No. 296 (Extl.)

30th March/89

To

THE HON'BLE SECRETARY TO

THE GOVERNMENT OF INDIA.

SIR,

I AM directed to forward, for the information of His Excellency the Governor in Council of the Hon'ble Secretary of State for India in Council, three copies of this Government Order No. 295 Public, of to-day's date, and of the letter from the Sanitary Commissioner's remarks as to the sanitary condition of the several Stations in the Presidency, for the month of November 1888.

2. The returns are returned.

I have &c.

Chief Secretary.

dated 17-4-89
with the Proceedings
returned

2/3

6. In the following table, the birth and death rates and the actual registered results are, as usual, compared with the past months of the year, the corresponding month of the past year, and the average of five previous corresponding periods. In the statement appended to it, the district mortality rate is compared with those of Bengal, North-West Provinces and the Punjab for the same period :—

	Districts.				Municipalities.			
	Births.	Deaths.	Birth rate.	Death rate.	Births.	Deaths.	Birth rate.	Death rate.
Average of 5 previous Novembers	73,701	53,977	31·5	23·1	5,108	4,838	34·4	31·1
November 1887	74,066	55,120	32·0	23·8	5,351	5,170	34·7	33·5
January 1888	60,230	74,173	26·3	32·4	5,003	8,035	32·4	52·1
February ,,	55,293	53,550	24·3	23·5	4,453	5,819	28·9	37·7
March ,,	55,164	48,407	28·0	24·0	4,977	4,890	32·3	31·7
April ,,	64,233	43,692	27·5	18·5	5,018	4,410	32·6	28·4
May ,,	70,351	43,732	30·1	18·7	5,246	4,304	33·8	27·7
June ,,	73,093	46,464	31·9	20·3	5,018	4,556	32·4	30·0
July ,,	81,307	50,652	34·9	21·7	5,256	4,606	33·9	29·7
August ,,	77,522	48,569	33·7	21·1	5,138	4,755	33·1	30·6
September ,,	74,860	44,615	32·2	19·2	4,904	4,001	31·6	27·1
October ,,	76,372	44,534	32·9	19·2	4,899	4,212	31·5	28·0
November ,,	73,601	47,079	31·4	20·1	5,227	4,366	33·6	

	Death rate per mille per annum.
Bengal	25·4
North-West Provinces	41·7
Punjab	40·0
Madras	20·1

7. In the following tables, the birth and death-rates in the districts and towns are given in the order of occurrence from highest to lowest. It will be seen that they varied considerably in both, much more so in the towns than in the districts. The differences between the maximum and minimum birth and death rates in the districts are 25·4 and 24·6, respectively, while in the towns they are 56·0 and 42·4. Among the districts, Chingleput returned the highest birth-rate, 43·2, and Kurnool the highest death rate, 28·0, eliminating Madras. Nilgiris returned the lowest rates both as regards births and deaths, 17·8 and 11·1 respectively. Among the towns, the highest birth-rate (59·6) occurred in Erode, and the lowest by far in Tirupati, 3·6. Bezváda stands the topmost on the list as regards its birth-rate 50·1, and Ootacamund at the bottom with 7·7.

Districts.	Birth-rate per mille per annum.
Chingleput	43·2
Bellary	43·2
Salem	42·5
Madras	42·3
Kistna	39·8
Kurnool	38·4
Anantapur	35·7
North Arcot	34·9
Coimbatore	33·8
Madura	32·9
South Arcot	32·0
Cuddappah	31·0
Tinnevelly	30·4
Trichinopoly	30·0
Nellore	29·0
South Canara	27·1
Godávari	26·8
Tanjore	26·7
Vizagapatam	26·5
Ganjam	21·2
Malabar	20·2
Nilgiris	17·8

Districts.	Death-rate per mille per annum.
Madras	35·7
Kurnool	28·0
Chingleput	27·5
Bellary	27·2
South Arcot	24·7
South Canara	24·6
Anantapur	23·1
Salem	22·7
Tanjore	22·6
Trichinopoly	21·3
Cuddapah	21·2
Madura	20·9
North Arcot	20·7
Tinnevelly	19·7
Coimbatore	18·9
Kistna	17·8
Godávari	16·6
Ganjam	15·2
Malabar	13·3
Vizagapatam	13·2
Nellore	13·2
Nilgiris	11·1

Municipalities.	Birth-rate per mille per annum.
Erode	59·6
Ongole	56·0
Coimbatore	51·1
Vániyambádi	48·2
Karúr	48·2
Tuticorin	47·9
Bezváda	47·5
Anakápalle	46·7
Dindigúl	46·5
Bimlipatam	43·3
Madras	42·3
Adóni	42·2
Conjeeveram	41·5
Madura	40·7
Anantapur	39·1
Periyakulam	37·9
Gudiyátam	37·3
Kurnool	37·1
Ellore	35·8
Vizianagrum	35·6
Salem	35·6
Pálghat	35·6
Guntúr	34·8
Srírangam	34·5
Tirupatúr	34·4
Cocanada	34·2
Palamcottah	33·4
Máyavaram	33·3
Cochin	32·8
Coonoor	32·6
Ootacamund	31·1
Tanjore	30·6
Vellore	30·4
Calicut	30·2
Chicacole	30·1
Wálajápet	30·0
Berhampore	29·4
Cuddapah	29·0
Vizagapatam	28·9
Masulipatam	27·7
Rajahmundry	27·3
Kumbakónam	27·3
Nellore	27·0
Palni	27·0
Mangalore	26·1
Chidambaram	25·4
Tellicherry	24·8
Bellary	24·2
Tinnevelly	22·2
Cannanore	21·8
Mánnárgudi	21·6
Parlákimedi	18·7
Trichinopoly	18·3
Cuddalore	17·3
Negapatam	16·9
Tirupati	3·6

Municipalities.	Death-rate per mille per annum.
Bezváda	50·1
Kurnool	48·4
Wálajápet	39·2
Anantapur	39·1
Erode	38·9
Máyavaram	38·0
Tuticorin	36·1
Madras	35·7
Ongole	35·2
Madúra	35·1
Bellary	35·0
Berhampore	34·5
Cuddalore	33·3
Dindigul	32·9
Chidambaram	32·0
Conjeeveram	31·8
Coimbatore	30·1
Coonoor	30·1
Vizianagrum	29·2
Kumbakónam	28·9
Srírangam	28·5
Mangalore	26·1
Salem	25·3
Palni	25·2
Anakápalle	25·1
Rajahmundry	24·9
Cochin	24·4
Vizagapatam	24·1
Vániyambádi	24·1
Cuddapah	24·0
Nellore	23·9
Calicut	23·9
Tinnevelly	23·7
Gudiyátam	23·7
Tirupatúr	23·5
Palamcottah	23·3
Tanjore	23·2
Pálghat	23·1
Bimlipatam	22·3
Mannárgudi	22·2
Cocanada	22·0
Trichinopoly	21·7
Guntúr	21·3
Chicacole	20·9
Tirupati	20·8
Ellore	19·1
Adóni	18·7
Vellore	18·4
Karúr	18·2
Periyakulam	17·5
Parlákimedi	17·1
Tellicherry	17·0
Cannanore	16·8
Negapatam	16·5
Masulipatam	14·3
Ootacamund	7·7

8. *Principal Causes of Death.*—In the following table is given the mortality from the principal specified diseases compared with past periods :—

	Cholera	Small-pox.	Fevers.	Bowel-complaints.	Injuries.	Other causes.	Total deaths.
Districts—							
November 1887	2,292	1,571	20,979	2,344	861	27,076	55,120
January 1888	3,772	1,740	20,577	3,167	810	29,108	74,173
February	3,057	2,291	15,870	2,151	772	22,866	53,350
March	4,123	2,564	14,925	1,824	980	22,085	48,407
April	2,357	2,218	15,487	1,929	1,065	20,265	43,092
May	1,790	1,754	15,035	2,131	1,108	21,342	43,732
June	1,196	1,694	16,317	1,922	1,013	22,810	46,454
July	1,488	1,733	16,869	2,471	922	24,069	50,652
August	1,816	1,493	16,292	2,601	970	23,648	48,569
September	1,816	1,418	16,375	2,141	1,104	21,774	44,615
October	1,816	1,292	15,565	2,201	975	22,495	44,534
November	1,196	1,473	16,966	2,327	848	23,969	47,079
Municipalities—							
November 1887	283	177	1,144	704	52	2,810	5,170
December 1887	1,564	207	1,222	769	50	3,027	8,035
January 1888	1,564	273	1,017	588	45	2,582	5,819
February	1,564	302	1,087	508	67	2,524	4,890
March	611	247	912	499	52	2,392	4,410
April	783	221	884	505	55	2,445	4,304
May	784	232	849	579	48	2,428	4,856
June	636	204	811	579	46	2,326	4,605
July	636	165	927	712	50	2,495	4,755
August	503	122	895	519	48	2,397	4,001
September	120	106	976	566	54	2,385	4,212
October	125	103	903	620	50	2,520	4,366
November	164	98					

9. *Cholera* caused 1,196 deaths against 1,816 in the previous month; of these, 164 occurred in the towns against 125. Of the districts in which the disease prevailed, South Canara suffered the most, 304 deaths, and Nellore and Kurnool the least, 2 each. Six districts were entirely free of the pest. Among the towns, the greatest cholera mortality (71) occurred in Cuddalore, and the smallest (1) in Cuddapah. The disease appeared in only nine out of the fifty-six towns. *Small-pox* carried off 1,473 individuals in the districts and 98 in the towns, against 1,292 and 106, respectively, in the preceding month. The disease was prevalent in all the districts, except two; but mostly so in Ganjam, where 189 deaths were recorded. Among the towns, Kurnool returned the greatest small-pox mortality (19). It was absent in thirty-one towns. *Fevers* caused 16,966 deaths in the districts, and *bowel-complaints* 2,327. In the towns, the numbers were 903 and 620, respectively. As usual, all the districts suffered more or less from both diseases. The greatest fever mortality (1,400) occurred in Cuddapah, and the lowest (67) in Nilgiris. Chingleput returned the largest number of deaths from bowel-complaints, 371, and Nilgiris the smallest, 5. Among the towns, in one no deaths from fever and in seven none from bowel-complaints were recorded. Madras (town) returned the greatest number of deaths both from fevers and bowel, complaints-260 and 202, respectively; next to it comes Madura with 44 and 46 deaths. *Injuries* caused 848 deaths, of which 50 occurred in the towns, and the deaths from "*all other causes*" numbered 23,969 in the districts and 2,520 in the towns. Of the total deaths from injuries, 184 were self-inflicted, 490 were from wounds and accidents, and 174 persons were either killed by wild beasts or snakes.

10. The following tables show the deaths from the principal specified diseases in each district and town:—

Districts.	Cholera.	Districts.	Cholera.	Districts.	Small-pox.	Districts.	Small-pox.
South Canara ..	304	Tinnevelly ..	24	Ganjam ..	189	Tinnevelly	44
South Arcot ..	299	Trichinopoly ..	13	South Arcot ..	181	Anantapur	26
Bellary	134	Madras	12	Kurnool	157	Chingleput	23
Ganjam	120	Nellore	2	North Arcot ..	133	Coimbatore	19
Chingleput ..	116	Kurnool	2	Tanjore	123	Nellore	8
Tanjore	116	Vizagapatam ..	..	Bellary	112	South Canara ..	6
Anantapur	97	Godávari	..	Salem	112	Vizagapatam ..	2
North Arcot ..	57	Kistna	..	Madura	106	Kistna	2
Malabar	56	Madura	..	Trichinopoly ..	94	Madras	2
Salem	34	Coimbatore ..	..	Cuddapah	89	Godávari	..
Cuddapah		Nilgiris	..	Malabar	46	Nilgiris	..

Districts.	Fevers	Districts.	Fevers	Districts.	Bowel-complaints.
Cuddapah	1,400	Nellore	7.6	Chingleput ..	371
Godávari	1,372	Madura	682	Malabar	344
North Arcot ..	1,241	Chingleput	496	Salem	345
Salem	1,213	Trichinopoly ..	491	South Canara ..	337
Malabar	1,208	South Canara ..	471	North Arcot ..	324
South Arcot ..	1,178	Bellary	417	Godávari	318
Vizagapatam ..	1,149	Tinnevelly	315	Cuddapah	240
Coimbatore ..	1,055	Tanjore	271	North Arcot ..	238
Kurnool	1,038	Madras	260	Vizagapatam ..	230
Kistna	926	Anantapur	172	Tanjore	214
Ganjam	870	Nilgiris	67	Tinnevelly	212
				Madras	146
				Bellary	95

Municipalities.	Cholera.	Municipalities.	Fevers.	Municipalities.	Bowel-complaints.
Cuddalore ..	71	Kurnool	15	Madura	44
Chidambaram ..	28	Madura	14	Salem	34
Salem	16	Salem	14	Trichinopoly ..	29
Mangalore	14	Trichinopoly ..	12	Kurnool	26
Madras	12	Srirangam	9	Cuddalore	23
Anantapur	9	Tanjore	9	Mangalore	19
Bellary	7	Dindigul	8	Tanjore	18
Tirupati	6	Vellore	7	Dindigul	16
Cuddapah	1	Gudiyátam	6	Vellore	15
Chicacole	..	Calicut	6	Gudiyátam	14
Berhampore ..	..	Vizagapatam ..	6	Calicut	13
Parlákimedi ..	..	Madras	5	Vizagapatam ..	13
Vizagapatam ..	..	Kumbakónam ..	5	Madras	12
Bimlipatam ..	..	Cuddalore	4	Kumbakónam ..	11
Vizianagram ..	..	Cannanore	4	Cannanore	10
Anakápalle ..	..	Chicacole	4	Chicacole	9
Cocanada	..	Parlákimedi ..	4	Parlákimedi ..	9
Rajahmundry ..	..	Nellore	4	Nellore	8
Ellore	..	Conjeeveram ..	3	Ellore	8
Masulipatam ..	..	Palni	3	Masulipatam ..	8
Guntúr	..	Wálajápet	3	Guntúr	8
Bezváda	..	Vánvanbádi ..	3	Bezváda	8
Nellore	..	Coimbatore ..	3	Conjeeveram ..	7
Ongole	..	Erode	3	Palni	7
Conjeeveram ..	..	Karúr	3	Wálajápet	7
Trichinopoly ..	..	Tellicherry ..	3	Vánvanbádi ..	7
Srirangam	..	Berhampore ..	2	Coimbatore ..	7
Tanjore	..	Bimlipatam ..	2	Erode	6
Kumbakónam ..	..	Vizianagram ..	2	Karúr	6
Máyavaram ..	..	Anakápalle ..	2	Tellicherry ..	6
Negapatam ..	..	Cocanada	2	Berhampore ..	5
Mannárgudi ..	..	Rajahmundry ..	2	Bimlipatam ..	5
Madura	..	Ellore	2	Vizianagram ..	5
Periyakulam ..	..	Masulipatam ..	2	Anakápalle ..	5
Dindigul	..	Guntúr	2	Cocanada	5
Palni	..	Bezváda	2	Rajahmundry ..	5
Tinnevelly ..	..	Ongole	2	Ellore	5
Palamcottah ..	..	Cuddalore	2	Masulipatam ..	5
Tuticorin	..	Chidambaram ..	2	Guntúr	5
Kurnool	..	Máyavaram ..	2	Bezváda	5
Adóni	..	Negapatam ..	2	Ongole	5
Vellore	..	Mannárgudi ..	2	Cuddalore	5
Gudiyatam ..	..	Periyakulam ..	2	Chidambaram ..	5
Wálajápet ..	..	Tinnevelly ..	2	Máyavaram ..	5
Vánvanbádi ..	..	Palamcottah ..	2	Negapatam ..	5
Tirupatúr ..	..	Tuticorin ..	2	Mannárgudi ..	5
Coimbatore ..	..	Cuddapah ..	2	Periyakulam ..	5
Erode	..	Bellary	2	Tinnevelly ..	5
Karúr	..	Adóni	2	Palamcottah ..	5
Ootacamund ..	..	Anantapur ..	2	Tuticorin ..	5
Coonoor	..	Tirupatúr ..	2	Cuddapah ..	5
Tellicherry ..	..	Coimbatore ..	2	Bellary	5
Calicut	..	Coonoor	2	Adóni	5
Pálghat	..	Mangalore ..	2	Anantapur ..	5
Cochin	..	Pálghat	2	Tirupatúr ..	5
Cannanore ..	..	Cochin	2	Coimbatore ..	5
				Coonoor	5
				Mangalore ..	5
				Pálghat	5
				Cochin	5

11. *Towns of* 25,000 *Inhabitants and upwards* (Ootacamund included) *in a population of*

2,247 births and 1,831 deaths, yielding ratios of 29·7 and 24·2 per mille per annum, respectively. Compared with the registered results of the twenty-eight great towns of England and Wales and the first-class towns of Bengal, they stand thus :—

	Birth rate per mille per annum.	Death rate per mille per annum.
Twenty-eight great towns of England and Wales ..	35·6	21·7
First-class towns of Bengal	29·5	37·5
Madras	29·7	24·2

12. The following table gives the particulars for each of the towns :—

	Population.	Cholera.	Small-pox.	Fevers.	Bowel-complaints.	Injuries.	All other causes.	Total deaths.	Total births.
Triplicane	84,0[illegible]		2	39	28	1	76	153	129
Madras	78,847		11	44	46	8	116	225	261
Salem	[illegible]enal	16	10	29	7	2	62	126	177
Cuddalore	57,085		3	13	23	3	72	114	144
Tanjore	54,715		5	17	29	2	53	106	140
Negapatam	54,778		..	14	20	1	39	74	76
Bellary	[illegible]	7	..	28	4	2	116	156	108
Kumbakonam	50,058		2	26	9	1	84	121	114
Cuddalore	45,545	28	..	7	4	..	14	53	58
Vellore	40,958		4	16	6	2	36	63	104
Coimbatore	38,[illegible]		1	22	9	1	65	98	166
Conjeeveram	37,[illegible]		1	11	15	1	71	99	129
Palghat ..	35,259		..	7	5	2	56	70	108
Masulipatam	35,056		..	5	..	..	37	42	81
Mangalore	32,099	14	..	8	12	..	40	74	70
Cocanada	30,441		..	7	4	..	45	56	87
Vizagapatam	30,291		2	13	9	1	36	61	73
Nellore	27,505		1	12	1	1	40	55	62
Coonanore	26,386		2	4	2	1	28	37	48
Erode	25,092		..	4	5	..	30	40	76
Ootacamund	12,335	..	..	3	..	..	5	8	32
Total ..	9,06,380	65	61	327	238	30	1,120	1,831	2,247

ORDER—dated 30th March 1889, No. 295, Public.

Recorded.

2. The returns will be published in the *Fort St. George Gazette.*

(True Extract.) J. F. PRICE,
Chief Secretary.

To the Revenue Department.
" Board of Revenue.
" Surgeon-General with the Government of Madras.
" Sanitary Commissioner for Madras.

Exd A. Raitt.

Govt. of {1889} Madras.

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MARCH.

27

Vital Statistics.

Recording the Sanitary Commissioner's remarks on the returns of — in the districts and municipalities of the Madras Presidency for November 1888, and ordering their publication in the *Fort St. George Gazette.*

RETURN showing the BIRTHS and DEATHS in the DISTRICTS of the MADRAS PRESIDENCY during the month of November 1888.

Population according to Census of 1881.	District.	Population from which Returns were received.	BIRTHS.							DEATHS.							CAUSES OF DEATH.	
			CLASS.				TOTAL BIRTHS †			CLASS.				TOTAL DEATHS ‡			Cholera.	
			Christians.	Hindus.	Muhammadans.	Other Classes.	Males.	Females.	Total.	Christians.	Hindus.	Muhammadans.	Other Classes.	Males.	Females.	Total.	M.	F.
1,749,604*	Ganjam ..	1,137,016	2	2,001	3	..	1,028	978	2,006	..	1,437	4	..	762	679	1,441	59	75
2,485,141*	Vizagapatam.	1,249,490	5	2,735	16	..	1,439	1,317	2,756	4	1,358	9	..	726	645	1,371	..	..
1,791,512*	Godavari ..	1,791,512	6	3,947	45	..	2,116	1,882	3,998	7	2,436	32	..	1,410	1,065	2,475	..	..
1,548,480	Kistna ..	1,548,480	92	4,798	251	..	2,629	2,512	5,141	35	2,129	132	..	1,284	1,062	2,296	..	..
1,220,236	Nellore ..	1,197,341	16	2,754	117	..	1,472	1,415	2,887	7	1,274	40	..	699	622	1,321	2	..
405,848	Madras ..	405,848	141	1,119	172	..	764	668	1,432	88	966	153	..	635	572	1,207	5	7
981,381	Chingleput ..	981,381	31	3,448	50	..	1,796	1,733	3,529	15	2,212	27	..	1,156	1,098	2,254	62	58
1,814,738	South Arcot..	1,816,375	63	4,685	89	..	2,412	2,425	4,837	49	3,618	67	..	1,895	1,839	3,734	151	148
1,215,033	Trichinopoly.	1,215,033	109	2,877	50	..	1,633	1,403	3,036	59	2,056	44	..	1,146	1,013	2,159	8	5
2,130,383	Tanjore ..	2,130,383	115	4,426	191	..	2,418	2,311	4,732	78	3,757	186	..	2,011	2,010	4,021	62	54
2,168,680	Madura ..	1,294,382	85	3,301	164	..	1,809	1,741	3,550	51	2,104	106	..	1,106	1,155	2,261	..	..
1,699,747	Tinnevelly ..	1,699,747	275	3,906	129	..	2,201	2,109	4,310	193	2,506	88	..	1,454	1,333	2,787	16	8
709,305	Kurnool ..	678,551	19	1,900	255	..	1,107	1,067	2,174	11	1,400	171	..	799	783	1,582	1	1
1,121,038	Cuddapah ..	1,121,038	10	2,633	257	..	1,492	1,408	2,900	1	1,848	131	..	1,068	912	1,980	18	16
736,807	Bellary ..	736,807	2	2,396	255	..	1,380	1,273	2,653	9	1,521	141	..	890	781	1,671	105	45
599,889	Anantapur ..	599,889	..	1,698	89	..	909	878	1,787	2	1,113	43	..	568	590	1,158	56	60
1,817,814	North Arcot..	1,822,873	8	5,148	140	..	2,709	2,587	5,296	4	3,007	89	..	1,597	1,503	3,100	30	27
1,599,595	Salem ..	1,592,899	30	5,490	128	..	2,854	2,794	5,648	15	2,904	79	..	1,513	1,485	2,998	27	29
1,657,690	Coimbatore ..	1,657,690	18	4,567	83	..	2,449	2,219	4,668	8	2,552	47	..	1,283	1,324	2,607	..	..
91,034	Nilgiris ..	91,034	18	115	2	..	61	74	135	8	70	6	..	35	49	84	..	..
959,514	South Canara.	955,842	126	1,780	254	..	1,115	1,045	2,160	116	1,655	188	..	982	977	1,959	146	158
2,365,035	Malabar ..	2,354,234	93	2,653	1,220	..	2,017	1,949	3,966	72	1,783	758	..	1,348	1,265	2,613	27	30
30,868,504	Total ..	28,077,945	1,264	68,377	3,960	..	37,810	35,791	73,601	832	43,706	2,541	..	24,317	22,762	47,079	775	721

* Including the Hill Tracts. † Inclusive of 21 Europeans and 73 Eurasians, but exclusive of 1,248 still births. ‡ Inclusive of 14 Europeans and 54 Eurasians, but exclusive of 1,248 born dead.

[Continued on next page.

RETURN showing the BIRTHS and DEATHS in the DISTRICTS of the MADRAS PRESIDENCY during the month of November 1888—*cont.*

Population according to Census of 1881.	District.	Population from which Returns were received.	DEATHS—*cont.*																Still births or born dead.		Ratio per 1,000 of Population per Annum.		Average Ratio per 1,000 of Population for previous Five Years ending 1887.	
			Causes of Death—*cont.*																					
			Small-pox.		Fevers.		Bowel-complaints.		Injuries.								All other Causes.							
									Suicides.		Wounds or Accidents.		Snake-bite.		Killed by Wild Beasts.									
			M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Births.	Deaths.	Births.	Deaths.
1,749,604	Ganjam ..	1,187,016	91	98	480	398	23	9	1	1	15	10	..	..	..	..	93	96	12	11	21·2	15·2	23·7	17·6
2,485,141	Vizagapatam	1,249,490	1	1	594	555	24	18	1	..	11	2	2	..	..	..	93	69	13	11	26·5	18·2	25·6	17·6
1,791,512	Godavari ..	1,791,512	..	..	776	596	23	31	9	8	12	5	..	..	1	..	589	425	31	21	26·8	16·6	25·4	24·5
1,548,480	Kistna ..	1,548,480	..	2	485	441	15	16	6	8	15	14	6	1	..	1	707	579	27	21	29·8	17·8	38·6	22·7
1,220,236	Nellore ..	1,197,441	4	4	391	335	16	16	3	5	3	5	..	..	4	1	276	256	16	3	29·0	13·2	30·7	17·4
405,848	Madras ..	405,848	..	2	123	137	101	101	..	..	7	1	..	..	..	..	399	324	17	15	42·3	35·7	42·2	41·6
981,381	Chingleput ..	981,381	8	15	233	263	194	177	5	3	18	11	4	..	..	..	632	571	57	47	43·2	27·5	43·7	30·0
1,814,738	South Arcot	1,816,375	83	98	590	588	64	50	8	2	18	6	19	6	1	..	961	941	55	42	32·0	24·7	30·7	24·3
1,215,033	Trichinopoly	1,215,033	51	43	261	230	27	24	1	5	7	7	7	3	8	4	781	692	30	27	30·0	21·3	31·4	27·0
2,130,383	Tanjore ..	2,130,383	75	48	125	146	58	55	4	4	13	10	16	10	..	..	1,658	1,683	76	78	26·7	22·6	31·2	26·1
2,168,680	Madura ..	1,294,382	52	54	325	357	48	44	3	10	15	12	2	6	..	..	661	672	27	28	32·9	20·9	32·1	24·2
1,699,747	Tinnevelly ..	1,699,747	23	21	178	137	54	55	6	6	11	7	5	1	..	..	1,158	1,098	49	45	30·4	19·7	30·6	26·1
709,305	Kurnool ..	678,551	73	84	525	513	14	16	4	6	8	9	5	2	..	..	169	152	11	6	38·1	28·0	41·2	28·1
1,121,038	Cuddapah ..	1,121,038	44	45	747	653	34	30	6	2	15	12	2	3	..	..	202	151	26	16	31·0	21·2	32·8	26·1
736,807	Bellary ..	736,807	59	53	226	189	52	38	..	4	9	5	1	2	..	..	438	445	14	5	43·2	27·2	46·8	23·1
599,889	Anantapur ..	599,889	14	12	59	63	19	25	1	2	4	6	1	1	..	..	414	421	26	13	35·7	23·1	39·3	22·9
1,817,814	North Arcot	1,822,873	68	65	621	620	96	52	8	15	26	27	4	5	..	..	744	692	56	51	34·9	20·7	32·8	24·1
1,599,595	Salem ..	1,592,899	57	55	573	610	42	41	4	6	20	8	13	5	..	..	777	701	35	31	42·5	22·7	38·9	23·7
1,657,690	Coimbatore ..	1,657,690	9	10	509	546	66	63	4	12	14	19	5	6	..	..	676	668	19	21	33·8	18·9	28·9	19·9
91,034	Nilgiris ..	91,034	..	..	26	41	3	2	..	..	..	..	..	..	..	..	6	6	..	2	17·8	11·1	16·5	14·8
959,514	South Canara	955,842	4	1	258	213	98	78	2	..	9	15	3	2	..	..	462	510	51	46	27·1	24·6	27·9	21·0
2,365,035	Malabar ..	2,354,234	27	19	633	575	162	153	5	4	31	15	9	2	..	..	454	467	36	21	20·2	13·3	21·8	15·4
30,868,504	Total ..	28,077,945	743	730	8,738	8,228	1,233	1,094	81	103	284	206	104	55	9	6	12,350	11,619	684	564	31·4	20·1	31·5	23·1

Office of Sanitary Commissioner, Madras, 25th March 1889.

JAS. ANDERSON LAING, Surgeon-Major, *Sany. Commr. for Madras.*

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Return showing the Births and Deaths registered in the Municipalities of the Madras Presidency during the month of November 1888.

Districts.	Municipal Towns.	Population, Census of 1881.	Births: Class. Christians.	Hindus.	Muhammadans.	Other Classes.	Total Births. M.	F.	Total.	Deaths: Class. Christians.	Hindus.	Muhammadans.	Other Classes.	Total Deaths. M.	F.	Total.	Causes of Death. Small-pox. M.	F.	Fevers. M.	F.	Bowel-complaints. M.	F.	Suicides. M.	F.	Injuries. Wounds or Accidents. M.	F.	Stab-cuts M.	F.	Snake-bite M.	F.	Alcoholic Causes M.	F.	Burnt M.	F.	Ratio per 1,000 of Population. Births.	Deaths.	Proportion of Deaths to Births. Births.	Deaths.
Ganjam.	Chicacole	18,302	1	45	..	..	23	23	46	..	31	1	..	14	18	32	..	..	1	9	6	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Berhampore	23,599	1	55	2	..	29	29	58	..	67	1	..	33	35	68	..	..	..	15	16	4	3	..	..	..	..	..	..	..	..	5	10	1	..	..	..	..	..	..	..
	Parlakimedi	15,365	..	23	1	..	10	14	24	..	22	..	..	13	9	22	..	..	1	11	7	..	..	..	..	..	..	..	..	..	..	11	11	..	..	..	..	..	..	..	..
Vizaga-patam.	Vizagapatam	30,291	1	68	4	..	46	27	73	2	56	3	..	34	27	61	..	..	1	1	7	6	4	5	..	..	..	..	..	..	..	2	1	..	..	..	..	..	..	..	..
	Bimlipatam	8,582	3	28	..	..	14	17	31	..	16	..	..	12	4	16	..	..	..	..	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Vizianagrum	22,577	..	65	2	..	37	30	67	..	55	..	..	25	30	55	..	..	..	..	6	13	4	2	..	..	..	..	..	..	..	21	13	..	..	..	..	..	..	..	..
	Anakapalle	13,341	..	52	..	..	25	27	52	..	28	..	..	17	11	28	..	..	..	..	7	3	5	3	..	..	..	..	..	..	..	7	2	..	..	..	..	..	..	..	..
Godavari.	Cocanada	30,441	2	83	2	..	50	37	87	5	48	3	..	34	22	56	..	..	..	..	7	..	2	2	..	..	..	..	..	..	..	14	11	..	..	..	..	..	..	..	..
	Rajahmundry	24,555	..	54	2	..	38	18	56	..	47	4	..	30	21	51	..	..	..	..	7	..	2	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Eliore	25,092	3	58	14	..	42	33	75	..	30	10	..	29	11	40	..	..	..	..	12	0	2	2	..	..	..	..	..	..	..	25	20	..	..	..	..	..	..	..	..
Kistna.	Masulipatam	35,056	1	73	7	..	45	36	81	1	36	5	..	24	18	42	..	..	..	..	2	2	2	2	..	..	..	..	..	..	..	16	15	..	..	..	..	..	..	..	..
	Guntur	19,646	1	39	17	..	27	30	57	..	26	9	..	17	18	35	..	..	..	..	2	2	3	2	..	..	..	..	..	..	..	10	7	..	..	..	..	..	..	..	..
	Bezvada	9,336	1	34	2	..	16	21	37	1	30	8	..	24	15	39	..	..	..	..	7	8	4	1	..	..	..	..	..	..	..	20	17	..	..	..	..	..	..	..	..
Nellore.	Nellore	27,505	3	50	9	..	35	27	62	2	46	7	..	30	25	55	..	..	..	..	3	3	1	1	..	..	..	..	..	..	..	9	9	..	..	..	..	..	..	..	..
	Ongole	9,200	3	37	3	..	23	20	43	..	25	2	..	13	14	27	..	..	1	..	6	6	1	..	..	..	1	..	..	..	..	21	10	1	..	..	..	..	..	..	..
Madras	Madras	405,848	141	1,119	172	..	764	668	1,432	88	966	153	..	635	572	1,207	..	..	2	2	123	137	101	101	..	..	1	..	..	..	..	32	18	..	..	..	..	..	..	..	..
Chingleput.	Conjeeveram	37,275	..	124	5	..	69	60	129	..	98	1	..	50	49	99	..	..	1	..	5	6	9	6	..	..	1	..	..	..	..	9	3	..	..	..	..	..	..	..	..
South Arcot.	Cuddalore	43,545	1	58	4	..	33	30	63	1	111	9	..	59	62	121	..	..	..	..	4	5	7	7	..	..	..	..	..	..	..	31	37	5	6	..	..	..	..	..	..
	Chidambaram	19,837	..	39	3	..	23	19	42	..	47	6	..	31	22	53	..	..	..	..	3	4	1	3	..	..	..	..	..	..	..	11	16	..	..	..	..	..	..	..	..
Trichinopoly.	Trichinopoly	84,449	13	107	9	..	64	65	129	12	123	18	..	76	77	153	..	..	..	..	5	4	20	19	10	18	..	..	..	..	..	12	2	1	1	..	..	..	..	..	..
	Srirangum	19,773	..	57	..	..	28	29	57	..	47	..	..	19	28	47	..	..	..	..	6	..	1	2	3	..	1	..	..	..	..	41	35	2	1	..	..	..	..	..	..
Tanjore.	Tanjore	54,745	12	119	9	..	74	66	140	5	96	5	..	54	52	106	..	..	..	..	3	7	10	19	10	..	1	..	..	..	..	14	17	2	1	..	..	..	..	..	..
	Kumbakonam	50,098	1	109	4	..	50	64	114	..	120	1	..	47	74	121	..	..	..	..	3	7	10	15	3	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Mayavaram	23,044	1	59	4	..	32	32	64	3	68	2	..	38	35	73	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	25	28	3	3	..	..	..	..	..	..
	Negapatam	53,776	10	49	17	..	38	38	76	12	50	12	..	36	39	75	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	33	31	4	3	..	..	..	..	..	..
	Mannargudi	19,409	..	34	1	..	17	18	35	..	34	2	..	15	21	36	..	..	..	..	7	7	9	3	..	..	..	..	..	..	..	27	22	1	1	..	..	..	..	..	..
Madura.	Madura	76,847	6	238	17	..	141	120	261	5	207	13	..	143	112	255	..	..	..	..	7	9	11	..	..	..	1	..	..	..	..	17	20	2	4	..	..	..	..	..	..
	Periyakulam	16,446	5	42	5	..	19	33	52	..	19	5	..	7	17	24	..	..	..	..	5	6	19	25	23	23	..	..	..	..	..	10	10	4	4	..	..	..	..	..	..
	Dindigul	14,182	6	43	6	..	28	27	55	6	29	4	..	14	14	28	..	..	..	..	3	2	5	3	7	..	1	3	4	..	..	65	53	10	10	..	..	..	..	..	..
	Palni ..	13,315	1	26	3	..	15	15	30	..	24	4	..	14	14	28	..	..	..	..	2	1	4	1	3	..	..	..	..	..	..	2	5	1	2	..	..	..	..	..	..
Tinnevelly.	Tinnevelly	23,221	1	41	1	..	24	19	43	..	41	2	..	24	22	46	..	..	..	..	1	1	1	1	..	..	..	..	..	..	..	9	16	2	2	..	..	..	..	..	..
	Palamcottah	17,964	4	45	1	..	23	27	50	7	26	2	..	22	13	35	..	..	..	..	1	..	1	1	..	..	..	..	..	..	..	12	12	..	..	..	..	..	..	..	..
	Tuticorin	16,281	22	38	5	..	29	36	65	14	33	2	..	25	24	49	..	..	..	..	6	4	5	11	..	..	..	..	..	..	..	9	11	1	1	..	..	..	..	..	..
Kurnool.	Kurnool	20,329	1	28	34	..	30	33	63	..	33	49	..	39	43	82	..	..	..	..	2	1	3	..	..	..	..	..	..	..	..	19	11	..	..	..	..	..	..	..	..
Cuddapah.	Cuddapah	18,982	2	25	20	..	24	22	46	1	21	16	..	22	16	38	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	14	9	..	..	..	..	..	..	..	..
Bellary.	Bellary ..	53,460	1	75	31	..	53	55	108	5	115	36	..	79	77	156	..	..	..	..	7	12	24	15	2	1	3	..	1	..	..	7	12	..	..	..	..	..	..	..	..
	Adoni ..	22,441	..	43	36	..	43	36	79	1	22	12	..	15	20	35	..	..	..	..	1	4	2	1	..	..	1	..	..	..	..	18	11	..	..	..	..	..	..	..	..
Anantapur.	Anantapur	4,907	..	10	6	..	10	6	16	1	9	7	..	7	9	16	..	..	..	..	13	15	3	1	..	..	..	..	..	..	..	55	66	..	..	..	..	..	..	..	..
		40,958	2	87	15	..	50	54	104	1	49	15	..	31	32	63	..	..	..	..	8	7	..	..	..	..	..	..	..	..	..	7	13	..	1	..	..	..	..	..	..
North Arcot.	Vellore ..	16,690	..	44	8	..	22	30	52	..	27	6	..	14	19	33	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	5	2	..	1	..	..	..	..	..	..
	Gudiyatam	10,387	..	25	1	..	16	10	26	..	30	1	..	22	12	34	..	..	..	..	2	2	3	4	..	..	..	..	..	..	..	19	17	2	1	..	..	..	..	..	..
	Walajapet	13,232	..	4	..	..	1	3	4	..	23	..	..	16	7	23	..	..	..	..	3	4	3	3	..	..	..	..	..	..	..	16	9	1	1	..	..	..	..	..	..
	Tirupati	59,631	7	163	7	..	94	83	177	4	114	8	..	66	60	126	..	..	..	..	1	2	1	1	..	..	..	..	..	..	..	15	3	..	1	..	..	..	..	..	..
Salem	Salem ..	15,933	..	26	38	..	37	27	64	..	15	17	..	23	9	32	..	..	..	..	5	5	13	16	4	3	..	..	1	..	..	37	29	..	..	..	..	..	..	..	..
	Vaniyambadi	14,278	..	27	14	..	20	21	41	..	20	8	..	17	11	28	..	..	..	..	1	1	8	3	..	..	1	..	..	..	..	15	2	..	..	..	..	..	..	..	..
	Tirupatur	38,967	5	151	10	..	76	90	166	6	86	6	..	49	49	98	..	..	..	..	4	4	6	5	..	..	..	..	..	..	..	7	34	..	1	..	..	..	..	..	..
Coimbatore.	Coimbatore	9,864	3	39	7	..	31	18	49	1	28	3	..	15	17	32	..	..	..	..	13	9	3	6	..	..	..	..	..	..	..	31	11	..	..	..	..	..	..	..	..
	Erode ..	9,205	3	32	2	..	21	16	37	..	7	1	..	9	6	15	..	..	..	..	1	2	1	3	..	..	1	..	..	..	..	13	5	..	..	..	..	..	..	..	..
	Karur	12,335	14	18	..	..	14	18	32	4	7	1	..	9	3	12	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	6	3	..	..	..	..	..	..	..	..
Nilgiris.	Ootacamund	4,778	3	10	..	..	6	7	13	..	4	..	..	2	6	8	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	2	..	..	..	..	..	..	..	..
	Coonoor	32,099	13	36	21	..	38	32	70	11	53	10	..	43	31	74	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	2	..	..	..	..	..	..	..	..
South Canara	Mangalore	24,681	3	23	25	..	19	32	51	4	19	12	..	15	20	35	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Tellicherry	57,085	14	70	60	..	74	70	144	10	64	40	..	51	63	114	..	..	..	..	3	1	..	..	..	..	..	..	..	..	..	25	28	3	3	..	..	..	..	..	..
Malabar.	Calicut	36,339	3	88	17	..	51	57	108	..	58	12	..	32	38	70	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	33	31	4	3	..	..	..	..	..	..
	Palghat	15,698	34	5	4	..	18	25	43	18	6	8	..	14	18	32	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	27	22	1	1	..	..	..	..	..	..
	Cochin	26,386	4	25	19	..	23	25	48	3	15	19	..	25	12	37	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	19	20	2	4	..	..	..	..	..	..
	Cannanore	1,861,508	356	4,165	706	..	2,702	2,525	5,227[a]	237	3,554	584	..	2,242	2,113	4,355[b]	1	1	16	41	57	446	457	305	315	2	7	25	13	1	1	1	..	1,333	1,187	65	74	33·6	28·0	34·4	31·1
Total ..																																									

[a] Inclusive of 20 Europeans and 65 Eurasians, but exclusive of 139 still births.

[b] Inclusive of 11 Europeans and 53 Eurasians, but exclusive of 139 born dead.

Office of Sanitary Commissioner, Madras,
25th March 1889.

JAS. ANDERSON LAING, Surgeon-Major,
Sanitary Commissioner for Madras.

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PUBLIC DEPARTMENT.

LETTER—to

THE UNDER SECRETARY OF STATE FOR INDIA.

SIR,

I am directed to forward, for the information of the Right Honorable the Secretary of State for India, copy of the Proceedings of this Government, No. 295, Public, of to-day's date, recording the Sanitary Commissioner's remarks on the returns of vital statistics in the several districts in this Presidency for the month of November 1888.

2. The statistics are annexed.

I have the honor to be,
Sir,
Your most obedient servant,

FORT ST. GEORGE,
30th March 1889.

Chief Secretary.

Exd. A. Raitt.

Gobt. of {1889} Madras.

PUBLIC.

Issued

Recd. *Encl.*

Letter, 30th March 1889, No. 296.

MARCH.

Vital Statistics.

Forwarding copy of Proceedings recording the Sanitary Commissioner's remarks on the returns of — in the districts and municipalities of the Madras Presidency for November 1888.

295 : Co : 8
296 : Co : 5

Public
30. 3. 89
295/6. 19

30/3

Vital Statistics.

Recording the Sanitary Commissioner's remarks on the returns of ——— in the districts & Municipalities of the Madras Presidency for November 88 and ordering their publication in the Fort St. Geo. Gazette.

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Forwarding Copy of Proceedings recording — — —