

REPORT ON VACCINATION

524

IN

THE MADRAS PRESIDENCY

FOR THE YEAR

1900-1901.

—♦—

M A D R A S :

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REPORT ON VACCINATION IN THE MADRAS PRESIDENCY FOR THE YEAR 1900-1901.

From Captain J. W. CORNWALL, I.M.S., Acting Inspector of Vaccination and Deputy Sanitary Commissioner for Madras, to the Sanitary Commissioner for Madras, dated 26th June 1901, No. 668-V.

I have the honour to submit the annual report on vaccination in the Madras Presidency for 1900-1901.

2. The post of Inspector of Vaccination and Deputy Sanitary Commissioner was held from 4th March 1899 to 3rd September 1900 by Captain W. C. Vickers, I.M.S., and from 14th September 1900 to 18th March 1901 by Major A. E. Grant, I.M.S.

3. The following statement shows the strength of establishment employed during the last two years with the pay of each post:—

Years.	First-class Deputy Inspectors.	Second-class Deputy Inspectors.	First-class Vaccinators.	Second-class Vaccinators.	Probationers.	Total number of vaccinators.
	Rs. 70—60.	Rs. 40.	Rs. 20—15.	Rs. 12—10.	Rs. 7—5.	
1899-1900	33	* 28	272	415	137	824
1900-1901	33	* 30	278	428	138	844

* Includes four Assistant Deputy Inspectors employed by the Madras Municipality.

4. During the year Russellkonda was constituted a vaccination circle and a Second-class Deputy Inspector was appointed thereto.

5. The subjoined table shows total vaccination work done by all agencies throughout the Presidency:—

	1899-1900.	1900-1901.
Primary vaccination	1,096,821	1,181,375
Re-vaccination	62,588	76,508
Total	1,159,409	1,257,883

The districts which show the largest increase of vaccine operations are Gódvári (25,751), Trichinopoly (17,245), Malabar (17,063), Salem (16,979), Ganjam (4,309), Kistna (4,286) and Anantapur (4,078).

Six districts show decrease; these are * Vizagapatam (8,390), Madura (7,241), Tinnevelly (3,305), Nellore (987), Cuddapah (512) and Nilgiris (145).

N.B.—One asterisk denotes that there was a decrease last year also.

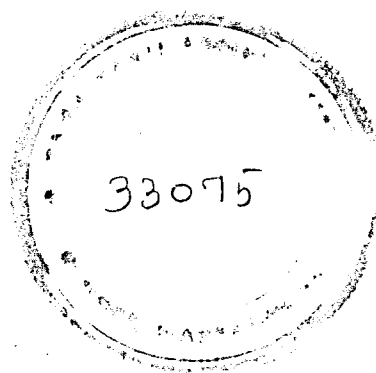
The explanations of decrease offered by the Deputy Inspectors concerned are as follows:—

Vizagapatam.—Want of help from the village heads, reduction of minima, absence of vaccinators without substitute, ineffective supply of glycerine paste from Vizagapatam depot and engagement of vaccinators on census duty.

Madura.—Incompleteness of the staff of vaccinators.

Tinnevelly.—Reduction of the monthly minima of vaccinators and irregular and insufficient supply of paste.

Nellore.—Absence of vaccinators without substitute, engagement of vaccinators on census duty and failure of second supply of lanoline paste from Bangalore.



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Cuddapah.—Absence of vaccinators without substitute and engagement of vaccinators on census duty.

6. The following table shows the total successful vaccinations by all agencies and the percentage of successful cases, including re-vaccinations :—

Establishment.	Number of successful vaccinations.				Ratio per cent. of successful cases.				Ratio per cent. of total successful cases.	
	1899-1900.		1900-1901.		1899-1900.		1900-1901.		1899-1900.	1900-1901.
	Primary and Secondary vaccinations.	Re-vaccination.	Primary and Secondary vaccinations.	Re-vaccination.	Primary and Secondary vaccinations.	Re-vaccination.	Primary and Secondary vaccinations.	Re-vaccination.		
1	2	3	4	5	6	7	8	9	10	11
Local Fund vaccinators ...	833,403	19,866	902,880	22,989	91.7	77.4	91.9	78.6	91.3	91.5
Government do. ...	23,097	1,572	26,911	2,345	86.1	78.9	87.6	87.0	85.7	87.5
Zemindari do. ...	6,793	10	6,548	12	77.4	100.0	69.7	100.0	77.5	69.8
Municipal do. ...	55,586	13,483	99,281	17,204	96.1	79.7	95.8	80.8	93.7	93.3
Cantonment do. ...	4,824	524	5,427	731	96.2	56.0	96.5	62.9	89.9	90.8
Dispensaries ...	9,010	864	8,952	1,366	91.0	71.5	90.5	80.2	88.8	89.0
Medical subordinates ...	2,865	7,048	3,200	8,693	79.7	68.6	81.3	69.4	71.5	72.2
Total ...	980,587	43,393	1,053,202	53,340	91.8	76.1	91.9	77.7	91.0	91.1

Note.—The statistics given in this statement include those exhibited in statements I and III appended to this report.

7. The following table shows operations arranged according to ages :—

Establishment.	Ages successfully vaccinated in 1899-1900.			Total number of persons vaccinated in 1899-1900.	Ages successfully vaccinated in 1900-1901.			Total number of persons vaccinated in 1900-1901.
	Under one year.	Over one and under six years.	Above six years.		Under one year.	Over one and under six years.	Above six years.	
	1	2	3		4	5	6	
Local Funds ...	251,946	456,327	125,130	962,259	273,628	490,531	138,721	1,045,117
Government do. ...	3,157	14,517	10,393	35,539	4,577	13,148	9,186	35,772
Zemindaries do. ...	981	3,478	2,334	8,947	1,113	3,293	2,142	9,643
Municipalities do. ...	63,380	25,647	6,559	120,442	66,274	25,633	7,377	131,195
Cantonments do. ...	2,796	1,133	595	6,078	3,175	1,506	746	6,844
Civil dispensaries do. ...	1,960	5,935	2,024	11,589	1,989	5,946	1,917	12,164
Medical subordinates do. ...	21	78	2,766	14,555	7	31	3,162	17,148
Total ...	324,241	506,545	149,801	1,159,409	350,763	539,158	163,251	1,257,883

Note.—The statistics given in this statement include those exhibited in statements I and III appended to this report.

The figures showing "Ages successfully vaccinated" do not include re-vaccination.

8. Compared with last year, the districts which show improvement in infantile vaccination are Bellary (17.3), Anantapur (15.8), Trichinopoly (11.5), Nilgiris (11.3), Kistna (10.9), Ganjam (8.7), Górávari (8.1), Kurnool (8.0), Salem (7.9), Tinnevely (7.0), Nellore (5.6) and North Arcot (5.5).

The districts which show a decrease are Coimbatore (7.4) and Madura (0.7). In the former it was due to the inferiority of the lanoline paste supplied from the Coimbatore depot.

9. As regards municipalities, a ratio of 75 per cent. and upwards has been attained by 42 towns as compared with 37 last year.

The following municipalities show a substantial increase:—Palni (35.7), Dindigul (30.2), Bellary (27.0), Anakápallo (21.0), Mangalore (17.3) and Nellore (16.2). Towns which show a decrease of 20 per cent. and upwards are Palamcottah (38.0), Walajapet (29.4), Tinnevely (27.3), Cuddapah (25.5) and Cannanore (22.2).

10. The following table shows the cost of the various establishments and the average cost of each successful case :—

Establishment.	Total expenditure.		Average cost of each successful case.	
	1899-1900.	1900-1901.	1899-1900.	1900-1901.
Government establishment ...	Rs. A. P. 11,468 1 5	Rs. A. P. 11,745 15 5	Rs. A. P. 0 6 2	Rs. A. P. 0 6 5
Local Fund do. ...	1,90,604 8 8	1,97,407 7 4	0 3 7	0 3 5
Municipal do. ...	31,066 12 10	32,058 5 2	0 4 6	0 4 5
Zemindari do. ...	1,527 9 8	1,721 3 3	0 3 7	0 4 2
Cantonment do. ...	2,282 11 8	2,302 14 11	0 6 10	0 6 0
Total ...	* 2,36,949 12 3	* 2,45,235 14 1	0 3 9	0 3 7

* Exclusive of the pay and allowance of the Inspector of Vaccination and Deputy Sanitary Commissioner.

11. The municipalities which show a decrease in the total number of vaccinations are Guntur (542), Chicacole (458), Vániyambádi (341) and Srivilliputtur (245).

12. The municipalities which show an increase are Madras (7,612), Palamcottah (766), Tinnevely (585), Calicut (576), Mangalore (467), Dindigul (306), Cocanada (260), Cuddalore (234), Negapatam (157), Bellary (150), Palni (124), Coonoor (115), Masulipatam (112) and Cannanore (110).

13. The following table shows the comparative success obtained by the use of different kinds of lymph in primary and secondary vaccination (re-vaccination omitted) :—

Number of cases.	Area.	Method.	Whence obtained.	Percentage of success.
210,960 *	Local Funds	Calf-to-arm	Locally	98.8
70,045	Do.	Animal lymph in tubes and plates.	Locally prepared in different centres.	94.8
404,232 *	Do.	Glycerinated lymph	Do.	91.5
197,971 *	Do.	Lanoline lymph	Supplied by the Bangalore Institute.	93.4
159,041	Do.	Do.	Locally prepared.	79.1
11,748 *	Municipalities	Do.	Supplied by the Bangalore Institute.	92.3
14,725	Do.	Do.	Locally prepared	88.5

* Includes cases in Madras City.

These could be better compared if the insertion rate of success was available.

14. The deaths from small-pox amounted to 27,161, as against 21,195 last year. The increase is due to severe epidemics in Górávari (7,703) and Tanjore (3,532).

15. During the year under review, 4 Certificated Sanitary Inspectors have been appointed to the department; so that out of the total staff of Deputy Inspectors of Vaccination, numbering 58 in all, there are 17 who are Certificated Sanitary Inspectors. One Deputy Inspector died, 2 retired and 13 were fined for carelessness, unpunctuality, &c.

16. During the past year 6 Ranges were inspected by the Inspector of Vaccination.

17. The service books of all Deputy Inspectors have been brought up to date.

I have the honour to be,

Sir,

Your most obedient servant,

J. W. CORNWALL, Captain, I.M.S.,

Ag. Inspector of Vaccination and
Deputy Sanitary Commissioner for Madras.

APPENDIX.

VACCINATION RETURNS.

A—VACCINE

STATEMENT No. I showing the Particulars of Vaccination in the

Number.	Districts.	Circles.	Population of districts or circles according to the census of 1891.	Average population per square mile.	Average number of vaccinators employed throughout the season.	Total number of persons vaccinated.			Average number of persons vaccinated by each vaccinator.	Primary or		
						Males.	Females.	Total.		Total.	Under 1 year.	
1	2	3	4	5	6	7			8	9	10	
40	Municipalities—cont.	Palamcottah ...	39,486	6,229	12	937	576	1,513	756	1,376	669	
41		Palghat ...	39,481	4,387	12	1,121	1,088	2,209	1,104	2,197	1,192	
42		Parlakimedi ...	16,390	5,463	1	548	427	975	975	826	618	
43		Periyakulam ...	16,363	606	1	434	426	860	860	826	633	
44		Palni ...	16,940	2,420	1	481	336	817	817	652	508	
45		Rajahmundry ...	28,307	2,366	12	1,254	850	2,104	1,052	1,474	811	
46		Salem ...	67,710	11,285	12	1,534	1,466	3,000	1,500	3,000	2,838	
47		Srirangam ...	21,632	3,090	1	600	568	1,168	1,168	1,152	523	
48		Srivillipattūr ...	29,541	29,541	1	731	724	1,455	1,455	1,338	815	
49		Tanjore ...	51,390	6,799	12	1,028	806	1,834	917	1,770	1,192	
50		Tellicherry ...	27,196	6,799	1	648	476	1,124	1,124	993	748	
51		Tinnevely ...	24,768	24,768	12	864	904	1,768	884	1,767	713	
52		Trichinopoly ...	90,609	9,061	5	4,564	3,471	8,035	1,607	7,328	2,768	
53		Tirupattūr ...	16,499	4,125	1	331	309	640	640	632	540	
54		Tirupati ...	14,242	18,242	1	202	195	397	397	394	298	
55		Tiruvannāmalai ...	13,650	1,186	1	370	324	694	694	661	547	
56		Tuticorin ...	25,107	8,369	1	759	535	1,294	1,294	1,190	725	
57		Vāniyambādi ...	16,090	15,838	1	384	428	812	812	809	681	
58		Vellore ...	44,925	11,231	12	1,256	702	1,958	979	1,780	1,089	
59		Vizagapatam ...	34,487	11,496	1	823	671	1,494	1,494	1,314	1,141	
60		Vizianagram ...	29,180	7,720	1	1,029	735	1,764	1,764	1,529	1,113	
61		Walajapet ...	10,485	10,485	1	219	164	383	383	321	243	
Total of municipalities...			2,186,560	5,499	112	76,253	54,942	131,195	1,171	105,239	66,274	
Grand Total ...			*35,651,577	261	834	659,275	586,444	1,245,719	† 1,473	1,171,104	348,774	

Note.—This statement does not include the statistics of dispensary vaccination
N.B.—In calculating the percentage of success shown in this statement and

* Excludes the population of the cantonments of Bangalore and Secunderabad.

† In finding the average number of persons vaccinated, the total work of medical subordinates is excluded.

DEPARTMENT.

Madras Presidency during the official year 1900-1901—continued.

secondary vaccinations.				Re-vaccination.				Percentage of successful cases.		Persons successfully vaccinated per 1,000 of population.			Average number of persons successfully vaccinated during previous 5 years.		Average annual number of deaths from small-pox during previous 5 years.	
Successful.																
Over 1 and under 6 years.	Total of all ages.	Unsuccessful.	Unknown.	Total.	Successful.	Unsuccessful.	Unknown.	Primary and secondary vaccinations.	Re-vaccination.	Primary and secondary vaccinations.	Re-vaccination.	Total.	Number.	Ratio per 1,000.	Number.	Ratio per 1,000.
11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
463	1,362	13	1	137	135	2	...	99.1	98.5	34.5	3.4	37.9	778	41.6	4	0.1
670	2,177	20	...	12	9	3	...	99.1	75.0	55.1	0.2	55.3	2,370	60.0	7	0.2
129	787	39	...	149	106	43	...	95.2	71.2	48.0	6.5	54.5	837	51.1	19	1.2
171	810	9	7	34	33	1	...	98.9	97.1	49.5	2.0	51.5	815	49.8	...	...
91	600	21	28	165	159	1	5	96.2	99.4	35.4	9.4	41.8	702	41.5	1	0.06
554	1,464	6	4	630	603	6	21	99.6	99.0	51.6	21.2	72.8	1,768	62.3	10	0.4
104	2,944	53	3	...	...	...	...	98.2	...	43.5	...	43.5	2,977	43.9	...	...
496	1,095	31	26	16	16	...	...	97.2	100.0	50.6	0.7	51.3	1,074	49.6	1	0.05
215	1,210	128	...	117	61	55	1	90.4	52.6	40.9	2.1	43.0	1,090	36.9	10	0.3
315	1,745	25	...	64	62	2	...	98.6	95.9	32.1	1.1	33.2	1,775	32.6	20	0.4
100	893	88	12	131	25	48	58	91.0	34.2	32.8	0.9	33.7	935	34.4	...	...
751	1,699	29	39	1	1	...	...	98.3	100.0	68.6	0.0	68.6	1,117	45.1	1	0.04
3,899	7,176	120	32	707	625	51	28	98.3	92.0	79.2	6.9	86.1	6,805	75.1	22	0.2
67	631	1	...	8	8	...	...	99.8	100.0	38.2	0.5	38.7	837	50.7	1	0.06
75	379	15	...	3	2	1	...	96.2	66.7	26.6	0.1	26.7	462	32.4	1	0.07
64	644	16	1	33	17	16	...	97.6	51.5	47.2	1.2	48.4	494	36.2	5	0.4
332	1,172	18	...	104	97	7	...	98.5	93.3	46.7	3.8	50.5	1,309	52.1	1	0.04
118	808	1	...	3	3	...	...	99.9	100.0	50.2	0.2	50.4	995	62.8	2	0.1
517	1,780	...	...	178	111	67	...	100.0	62.4	39.7	2.4	42.1	1,974	43.9	70	1.5
124	1,270	44	...	180	147	23	10	96.6	86.5	36.8	4.3	41.1	1,259	36.5	2	0.6
215	1,494	35	...	235	204	31	...	97.7	86.9	51.2	7.0	58.2	1,634	52.9	11	0.4
49	204	25	2	62	54	6	2	92.2	90.0	28.0	5.2	33.2	363	34.6	...	...
25,633	99,284	4,317	1,638	25,956	17,204	4,098	4,654	95.8	80.8	45.4	7.9	53.3	110,293	51.2	475	0.2
534,142	1,044,250	91,915	34,939	74,615	51,974	14,957	7,684	91.9	77.6	29.1	1.5	30.6	1,050,863	29.3	14,761	0.4

which are exhibited separately in statement No. III.
statement No. III, unknown cases have not been taken into account.

A—VACCINE DEPARTMENT.

STATEMENT No. II showing the Cost of the Department in the Madras Presidency during the official year 1900-1901.

		Expenditure.															Total pay of establishment.
Number.	Districts.	Circles.	Inspector of Vaccination and Deputy Assistant Commissioner.	Pay.	Deputy Inspectors.			Vaccinators.				Clerks.		Peons, &c.			
					First class.	Second class.	Pay.	First class.	Second class.	Probationers.	Pay.	Number.	Pay.	Number.			
1		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
2	Anaimalai.	Anantapur circle	...	...	1	...	840 0 0	2	4	4	1,586 8 10	...	...	1	72 0 0	2,498 8 10	
3		Penukonda do.	...	...	...	1	...	480 0 0	1	3	3	1,119 6 2	...	...	1	72 0 0	1,671 6 2
4		Total of district	...	...	1	1	1,320 0 0	3	7	7	2,705 15 0	...	...	2	144 0 0	4,169 15 0	
5	Bellary.	Bellary circle	...	...	1	...	840 0 0	6	7	2	1,908 1 8	...	...	1	72 0 0	2,820 1 8	
6		Harpanahalli circle	...	...	...	1	...	360 10 4	3	4	2	692 11 0	...	...	1	56 6 9	1,109 12 1
7		Total of district	...	...	1	1	1,200 10 4	9	11	4	2,600 12 3	...	...	2	128 6 9	3,929 13 9	
8	Chingleput.	Chingleput circle	...	...	1	...	820 2 4	4	7	3	1,862 2 9	...	...	1	72 0 0	2,754 5 1	
9		Saidapur do.	...	...	...	1	...	720 0 0	4	7	2	1,399 5 10	...	...	1	72 0 0	2,191 5 10
10		Total of district	...	...	2	...	1,540 2 4	8	14	5	3,261 8 7	...	...	2	144 0 0	4,945 10 11	
11	Cuddapah.	North Cuddapah circle	...	...	1	...	718 0 0	3	8	...	1,504 8 8	...	...	1	84 0 0	2,306 8 8	
12		South do.	...	...	...	1	...	480 6 0	3	6	3	1,755 2 0	...	...	1	84 0 0	2,819 2 0
		East do.	...	...	1	...	810 0 0	4	10	2	2,266 0 2	...	...	1	84 0 0	3,190 0 2	
		Total of district	...	...	2	1	2,038 0 0	10	24	5	5,525 10 10	...	...	3	252 0 0	7,815 10 10	
	Cuddapah.	Cuddapah circle	...	...	1	...	725 5 4	4	6	1	1,498 12 2	...	...	1	84 0 0	2,308 1 6	
		Madanapalle do.	...	...	...	1	...	810 0 0	4	8	2	1,850 9 0	...	...	1	84 0 0	2,774 9 0
		Sidhouth do.	...	...	1	...	718 0 0	3	4	1	1,162 0 0	...	...	1	84 0 0	1,964 0 0	
		Total of district	...	...	3	...	2,283 5 4	11	18	4	4,511 5 2	...	...	3	252 0 0	7,046 10 6	

VACCINATION RETURNS.

13	Ganjam.	Chatrapur circle	...	...	...	...	...	...	845 13 5	4	12	2	1,869 1 1	...	...	1	72 0 0	2,786 14 6
14		Chitacole do.	...	...	...	...	...	...	840 0 0	5	7	1	1,742 12 11	...	...	1	71 12 9	2,654 9 8
15	Ganjam.	Ganjam Hill tracts	...	...	...	...	...	...	840 0 0	4	5	4	1,823 3 8	...	...	1	72 0 0	2,735 3 8
16		Russellkonda	...	...	...	...	...	...	137 5 4	2	3	1	246 7 1	...	...	1	19 12 10	403 9 3
17	Ganjam.	Total of district	...	...	...	...	...	...	2,663 2 9	15	27	8	5,681 8 9	...	...	4	235 9 7	8,580 5 1
18		Ellore circle	...	...	...	...	...	...	843 2 8	10	13	...	2,601 4 11	...	...	1	84 0 0	3,618 7 7
19	Ganjam.	Pitapuram circle	...	...	...	...	...	...	465 0 0	7	11	...	2,314 0 3	...	...	1	83 12 0	2,981 1 2
20		Rajahmundry do.	...	...	...	...	...	...	575 0 0	4	3	...	782 13 4	...	...	1	63 0 0	1,540 13 4
21	Ganjam.	Government vaccinators	...	...	...	...	...	...	185 0 0	6	...	1	1,238 12 9	...	...	1	21 0 0	1,444 12 9
22		Total of district	...	...	...	...	...	...	2,038 2 8	27	27	1	6,936 15 3	...	...	3	251 12 0	9,585 2 10
23	Kistana.	Guntur circle	...	...	...	...	...	...	845 5 4	5	7	5	2,112 1 0	...	...	1	84 0 0	3,149 6 4
24		Masulipatam circle	...	...	...	...	...	...	911 3 3	5	8	5	1,963 14 1	...	...	1	84 0 0	3,057 1 4
25	Kistana.	Narasarowpet do.	...	...	...	...	...	...	474 13 5	3	3	3	1,088 8 9	...	...	1	84 0 0	1,727 8 8
26		Total of district	...	...	...	...	...	...	2,231 6 0	13	18	13	5,151 7 10	...	...	3	252 0 0	7,934 0 4
27	Kurnool.	Gumham circle	...	...	...	...	...	...	308 14 11	4	4	4	1,008 3 1	...	...	1	66 8 3	1,383 10 3
28		Kurnool do.	...	...	...	...	...	...	840 0 0	4	4	4	1,349 8 0	...	...	5	317 11 4	2,507 3 4
29	Kurnool.	Total of district	...	...	...	...	...	...	1,148 14 11	8	8	8	2,357 11 1	...	...	6	384 3 7	3,800 13 7
30		Dindigul circle	...	...	...	...	...	...	718 0 0	5	7	3	2,083 14 8	...	...	1	72 0 0	2,873 14 8
31	Madura.	Madura do.	...	...	...	...	...	...	480 0 0	3	5	3	1,415 9 7	...	...	1	77 9 10	1,972 10 5
32		Paramagudi do.	...	...	...	...	...	...	866 0 0	6	10	2	1,961 10 0	...	...	1	66 0 0	2,863 10 0
33	Madura.	Total of district	...	...	...	...	...	...	2,064 0 0	14	22	8	5,460 9 3	...	...	3	215 9 10	7,740 3 1
34		Tellicherry circle	...	...	...	...	...	...	858 0 0	2	11	...	1,656 13 6	...	...	1	84 0 0	2,598 13 6
35	Malabar.	Calicut do.	...	...	...	...	...	...	480 0 0	6	14	...	2,864 7 3	...	...	1	84 0 0	3,428 7 3
36		Palghat do.	...	...	...	...	...	...	480 0 0	4	12	...	1,971 2 4	...	...	1	77 0 0	2,531 2 4
37	Malabar.	Total of district	...	...	...	...	...	...	1,818 0 0	12	37	...	6,495 7 1	...	...	3	215 0 0	8,558 7 1
38		Central circle	...	...	...	...	...	...	529 14 8	4	5	...	1,350 3 9	...	...	1	84 0 0	1,964 2 5
39	Nellore.	Southern do.	...	...	...	...	...	...	840 0 0	2	6	...	1,045 7 1	...	...	1	84 0 0	1,969 7 1
40		Northern do.	...	...	...	...	...	...	475 0 0	3	7	3	1,628 9 2	...	...	1	84 0 0	2,187 9 2
41	Nellore.	Total of district	...	...	...	...	...	...	1,814 14 8	9	18	4	4,024 4 0	...	...	3	252 0 0	6,121 2 8
42		Nilgiris	...	...	...	...	...	...	477 6 8	3	...	2	843 8 0	...	...	...	...	1,320 14 8
43	Nilgiris.	Total of district	...	...	...	...	...	...	477 6 8	3	...	2	843 8 0	...	...	...	...	1,320 14 8
44		Chittoor circle	...	...	...	...	...	...	800 13 10	6	6	3	1,952 8 0	...	...	1	84 0 0	3,017 5 10
45	North Arcot.	Vellore do.	...	...	...	...	...	...	840 0 0	5	5	2	1,530 1 7	...	...	1	84 0 0	2,454 1 7
46		Karvetnagar circle	...	...	...	...	...	...	480 0 0	3	5	1	1,154 11 2	...	...	1	84 0 0	1,718 11 2
47	North Arcot.	Total of district	...	...	...	...	...	...	2,180 13 10	14	16	6	4,637 4 9	...	...	3	252 0 0	7,190 2 7

A—VACCINE DEPARTMENT.

STATEMENT No. II showing the Cost of the Department in the Madras Presidency during the official year 1900-1901—continued.

Number—cont.	Districts—cont.	Circles—cont.	Expenditure—cont.				Paid from						26	27	28
			Travelling allowance.	Contingencies.	Total cost.	Imperial funds.	Provincial funds.	Local funds.	Municipal funds.	Zamindaries.					
			18	19	20	21	22	23	24	25					
			RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.				
1	Anantapur.	Anantapur circle ...	273 6 9	759 13 3	3,531 12 10	...	...	3,531 12 10	...	...	...	3,531 12 10	11,496	0 4 11	RS. A. P.
2		Pennakonda do. ...	204 11 0	730 2 9	2,606 3 11	...	...	2,606 3 11	...	...	...	...	2,606 3 11	9,144	0 4 7
		Total of district ...	478 1 9	1,490 0 0	6,138 0 9	...	...	6,138 0 9	...	...	...	6,138 0 9	20,640	0 4 9	
3	Bellary.	Bellary circle ...	1,246 5 6	1,429 13 8	5,496 4 10	...	...	5,496 4 10	...	...	...	5,496 4 10	19,731	0 4 5	
4		Harpnahalli circle ...	877 10 6	781 2 7	2,708 9 2	...	...	2,708 9 2	...	...	...	...	2,708 9 2	10,020	0 4 5
		Total of district ...	2,124 0 0	2,211 0 3	8,204 14 0	...	...	8,204 14 0	...	...	...	8,204 14 0	29,751	0 4 5	
5	Chingleput.	Chingleput circle ...	903 3 10	757 12 5	4,415 5 4	...	...	4,415 5 4	...	...	...	4,415 5 4	21,960	0 3 3	
6		Sathapet do. ...	786 11 8	737 3 11	3,715 5 5	...	...	3,715 5 5	...	...	...	...	3,715 5 5	15,673	0 3 10
		Total of district ...	1,689 15 6	1,495 0 4	8,130 10 9	...	...	8,130 10 9	...	...	...	8,130 10 9	37,633	0 3 5	
7	Coimbatore.	North Coimbatore circle...	300 3 9	88 14 6	2,695 10 11	...	...	2,695 10 11	...	...	...	2,695 10 11	9,992	0 4 4	
8		South do. ...	250 11 6	634 6 6	3,204 4 0	...	...	3,204 4 0	...	...	...	...	3,204 4 0	11,417	0 4 6
		East do. ...	290 8 11	137 5 0	3,617 14 1	...	...	3,617 14 1	...	...	...	3,617 14 1	14,788	0 3 11	
		Total of district ...	841 8 2	860 10 0	9,517 13 0	...	...	9,517 13 0	...	...	...	9,517 13 0	36,197	0 4 2	
10	Cuddapah.	Cuddapah circle ...	769 14 7	900 12 4	3,978 12 5	...	...	3,978 12 5	...	...	...	3,978 12 5	7,604	0 8 4	
11		Madampalle do. ...	950 8 6	1,433 4 6	5,158 6 0	...	...	5,158 6 0	...	...	...	...	5,158 6 0	12,379	0 6 8
12		Sidhout do. ...	992 5 5	891 4 4	3,817 9 9	...	...	3,817 9 9	...	...	...	3,817 9 9	5,680	0 10 10	
		Total of district ...	2,712 12 6	3,225 5 2	12,984 12 2	...	...	12,984 12 2	...	...	...	12,984 12 2	25,723	0 8 1	

13	Ganjam.	Chatrapur circle ...	254 7 5	1,509 6 1	4,550 12 0	...	...	...	4,550 12 0	...	...	4,550 12 0	17,877	0 4 1	
14		Chilacote do. ...	297 11 4	157 14 6	3,110 3 6	...	...	...	3,110 3 6	...	...	3,110 3 6	16,562	0 3 0	
15		Ganjam Hill tracts	520 10 0	154 1 9	3,409 15 5	...	...	...	3,409 15 5	...	...	3,409 15 5	16,511	0 3 4	
16		Russellkonda	71 7 0	222 13 9	697 14 0	...	...	...	697 14 0	...	...	697 14 0	2,775	0 4 0	
		Total of district ...	1,444 3 9	2,044 4 1	11,708 12 11	...	...	...	8,358 13 6	...	...	11,708 12 11	53,725	0 3 6	
17	Goddavari.	Ellore circle ...	1,479 2 6	881 11 0	5,079 5 1	...	...	...	5,079 5 1	...	...	5,979 5 1	35,201	0 2 9	
18		Pithapuram circle	1,032 6 4	180 6 3	4,193 13 9	...	...	...	4,193 13 9	...	...	4,193 13 9	29,357	0 2 3	
19		Rajalmandry do.	511 13 11	218 11 0	2,301 6 3	...	...	...	2,301 6 3	...	...	2,301 6 3	8,642	0 4 3	
		(Government vaccinators ...)	932 14 6	807 10 0	3,185 5 3	...	...	...	3,185 5 3	...	...	3,185 5 3	5,648	0 9 0	
		Total of district ...	3,986 5 3	2,088 6 3	15,659 14 4	...	...	...	12,474 9 1	...	...	15,659 14 4	78,848	0 3 2	
20	Krisna.	Guntur circle ...	1,009 5 6	213 5 9	4,372 2 7	...	...	...	4,372 2 7	...	...	4,372 2 7	26,306	0 2 8	
21		Masulipatam circle	821 12 0	145 10 9	4,024 8 1	...	...	...	4,024 8 1	...	...	4,024 8 1	22,743	0 2 10	
22		Narasarowpet do.	559 13 3	558 4 9	2,845 10 8	...	...	...	2,845 10 8	...	...	2,845 10 8	14,280	0 3 2	
		Total of district ...	2,390 14 9	917 6 3	11,242 5 4	...	...	...	11,242 5 4	...	...	11,242 5 4	63,329	0 2 10	
23	Kurnool.	Cannam circle ...	548 10 10	851 2 11	2,783 8 0	...	...	...	2,783 8 0	...	...	2,783 8 0	12,732	0 3 6	
24		Kurnool do. ...	650 9 6	832 1 3	3,999 14 1	...	...	...	3,999 14 1	...	...	3,999 14 1	15,574	0 4 1	
		Total of district ...	1,209 4 4	1,683 4 2	6,783 6 1	...	...	...	6,783 6 1	...	...	6,783 6 1	28,306	0 3 10	
25		Madura.	Dindigul circle ...	180 0 0	1,182 6 4	4,236 5 0	...	...	...	4,236 5 0	...	...	4,236 5 0	26,744	0 2 6
26	Madura do. ...		182 15 3	651 2 2	2,806 11 10	...	...	...	2,806 11 10	...	...	2,806 11 10	18,842	0 2 5	
27	Paramangudi do. ...		238 10 0	633 0 4	3,785 4 4	...	...	...	3,785 4 4	...	...	3,785 4 4	20,771	0 2 11	
	Total of district ...		601 9 3	2,486 8 10	10,828 5 2	...	...	...	10,828 5 2	...	...	10,828 5 2	66,357	0 2 7	
28	Malabar.	Tellicherry circle ...	324 14 0	356 2 0	3,279 13 6	...	...	...	3,279 13 6	...	...	3,279 13 6	15,179	0 3 5	
29		Calicut do. ...	285 12 8	168 2 10	3,882 6 9	...	...	...	3,882 6 9	...	...	3,882 6 9	18,089	0 3 4	
30		Palghat do. ...	431 12 6	837 2 6	3,803 1 4	...	...	...	3,803 1 4	...	...	3,803 1 4	22,865	0 2 8	
		Total of district ...	1,045 7 2	1,361 7 4	10,965 5 7	...	...	...	10,965 5 7	...	...	10,965 5 7	56,733	0 3 1	
31	Nellore.	Central circle ...	781 2 0	823 10 6	3,568 14 11	...	...	...	3,568 14 11	...	...	3,568 14 11	10,450	0 5 6	
32		Southern do. ...	803 13 0	719 7 11	3,492 12 0	...	...	...	3,492 12 0	...	...	3,492 12 0	9,056	0 6 2	
33		Northern do. ...	840 6 9	851 5 9	3,979 5 8	...	...	...	3,979 5 8	...	...	3,979 5 8	13,888	0 4 7	
		Total of district ...	2,425 5 9	2,494 8 2	11,041 0 7	...	...	...	11,041 0 7	...	...	11,041 0 7	33,394	0 5 3	
34	Nilgiris.	Nilgiris ...	631 13 0	346 10 0	2,299 5 8	...	...	...	2,299 5 8	...	...	2,299 5 8	3,694	0 9 11	
		Total of district ...	631 13 0	346 10 0	2,299 5 8	...	...	...	2,299 5 8	...	...	2,299 5 8	3,694	0 9 11	
35		North Arcol.	Chittoor circle ...	1,078 8 9	218 4 3	4,314 2 10	...	...	...	4,314 2 10	...	...	4,314 2 10	15,940	0 4 4
36			Vellore do. ...	1,072 8 1	862 1 9	4,388 11 5	...	...	...	4,388 11 5	...	...	4,388 11 5	13,856	0 5 1
37	Karvetnagar circle		599 6 6	748 5 3	3,066 6 11	...	...	...	3,066 6 11	...	...	3,066 6 11	11,357	0 4 4	
	Total of district ...		2,750 7 4	1,828 11 3	11,769 5 2	...	...	...	11,769 5 2	...	...	11,769 5 2	41,153	0 4 7	

A—VACCINE DEPARTMENT.

STATEMENT No. II showing the Cost of the Department in the Madras Presidency during the official year 1900-1901—continued.

Expenditure.																
Number.	Districts.	Circles.	Inspector of Vaccination and Deputy Zambardar Commissioner.	Deputy Inspectors.			Vaccinators.			Clerks.		Peons, &c.		Total pay of establishment.		
				Pay.	First class.	Second class.	First class.	Second class.	Probationers.	Pay.	Number.	Pay.	Number.			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
39	Madras.	Madras Presidency town ...	1	Rs. A. P.	...	...	...	...	...	...	...	...	Rs. A. P.	...	Rs. A. P.	...
40		Total of district ...	1	12,838 13 1	...	...	...	...	...	...	...	...	...	...	...	12,838 13 1
41	Salem.	Northern circle ...	...	...	...	1	479 0 0	3	6	3	1,298 12 4	...	...	1	82 10 8	1,860 7 0
42		Salem do. ...	...	...	...	...	839 0 0	3	11	3	2,017 5 11	...	...	...	1	84 0 0
43	Total of district	Nannakkal do. ...	...	...	...	1	431 13 3	3	11	3	1,965 5 2	...	...	1	19 10 2	2,416 12 7
44		Total of district ...	...	...	...	1	1,749 13 3	9	28	9	5,281 7 5	...	...	...	3	186 4 10
45	South Arcot.	Cuddalore circle ...	...	...	1	...	689 5 4	6	6	2	2,055 13 6	...	...	1	96 0 0	2,841 2 10
46		Vridhachalam circle ...	...	...	...	...	475 0 0	3	3	1	937 3 6	...	...	...	1	96 0 0
	South Canara.	Truvananthali do. ...	...	...	...	1	480 0 0	4	4	...	1,275 2 2	...	...	1	84 0 0	1,839 2 2
		Total of district ...	...	...	...	1	1,614 5 4	13	13	3	4,268 3 2	...	...	...	3	276 0 0
	Northern circle	...	...	...	1	...	810 0 0	3	6	6	3,151 15 10	...	...	...	96 0 0	4,087 15 10
		Kasaragod do. ...	...	...	...	...	480 0 0	2	4	5	2,216 1 8	...	...	...	1	77 0 0
	Total of district	...	...	...	1	1,320 0 0	5	10	11	...	5,368 1 6	1	81 12 11	2	173 0 0	6,942 14 5

47	Tanjore circle	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...</
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* Besides one peon, there were also six calf coolies.

A—VACCINE DEPARTMENT.

STATEMENT No. II showing the Cost of the Department in the Madras Presidency during the official year 1900-1901—continued.

Number—cont.	Districts—cont.	Circles—cont.	Expenditure—cont.			Paid from					Total	Number of all successful vaccinations and re-	Average cost of each successful case.
			Travelling allowance.	Contingencies.	Total cost.	Imperial funds.	Provincial funds.	Local funds.	Municipal funds.	Zamindaries.			
			18	19	20	21	22	23	24	25	26	27	28
38	Madras.	Madras Presidency town ...	RS. A. P. 2,203 2 0	RS. A. P. ...	RS. A. P. 15,041 15 1	RS. A. P. ...	RS. A. P. 15,041 15 1	...	...	...	RS. A. P. 15,041 15 1	...	...
		Total of district ...	2,203 2 0	...	15,041 15 1	...	15,041 15 1	...	...	...	15,041 15 1	...	...
39	Salem.	Northern circle ...	185 5 0	281 7 0	2,327 3 0	...	...	2,327 3 0	...	...	2,327 3 0	18,028	0 2 1
40		Salem do. ...	253 1 3	602 10 4	3,826 1 6	...	...	3,826 1 6	...	...	3,826 1 6	26,629	0 2 4
41		Namakkal do. ...	110 11 0	377 10 11	2,905 2 6	...	...	2,905 2 6	...	...	2,905 2 6	23,879	0 1 11
		Total of district ...	579 1 3	1,261 12 3	9,058 7 0	...	...	9,058 7 0	...	...	9,058 7 0	68,536	0 2 1
42	South Arcot.	Cuddalore circle ...	602 1 3	1,562 14 1	5,006 2 2	...	...	5,006 2 2	...	...	5,006 2 2	23,935	0 3 4
43		Viduthachalam circle ...	534 12 6	66 4 0	2,109 4 0	...	...	2,109 4 0	...	...	2,109 4 0	12,990	0 2 7
44		Tiruvannamalai do. ...	611 4 6	1,433 6 8	3,883 13 4	...	...	3,883 13 4	...	...	3,883 13 4	17,240	0 3 7
		Total of district ...	1,748 2 3	3,062 8 9	10,999 3 6	...	...	10,999 3 6	...	...	10,999 3 6	51,165	0 3 3
45	Canara.	Northern circle ...	652 4 0	124 8 10	4,864 12 8	...	...	4,864 12 8	...	...	4,864 12 8	19,569	0 4 0
46		Kasaragod do. ...	679 4 8	412 11 11	3,946 15 2	...	...	3,946 15 2	...	...	3,946 15 2	15,161	0 4 2
		Total of district ...	1,331 8 8	537 4 9	8,811 11 10	...	...	8,811 11 10	...	...	8,811 11 10	34,730	0 4 1

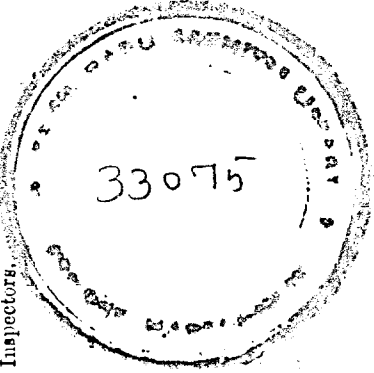
Number—cont.	Districts—cont.	Circles—cont.	Expenditure—cont.			Paid from					Total	Number of all successful vaccinations and re-	Average cost of each successful case.
			Travelling allowance.	Contingencies.	Total cost.	Imperial funds.	Provincial funds.	Local funds.	Municipal funds.	Zamindaries.			
			18	19	20	21	22	23	24	25	26	27	28
47	Tanjore.	Tanjore circle ...	279 7 0	1,208 4 5	4,135 6 11	...	...	4,135 6 11	...	...	4,135 6 11	23,171	0 2 10
48		Negapatam do. ...	277 5 6	748 0 8	3,198 2 10	...	...	3,198 2 10	...	...	3,198 2 10	24,690	0 2 1
49		Palakottai do. ...	204 13 6	1,018 15 8	3,115 5 7	...	...	3,115 5 7	...	...	3,115 5 7	17,440	0 2 10
		Total of district ...	761 10 0	3,060 4 9	10,448 15 4	...	...	10,448 15 4	...	...	10,448 15 4	65,301	0 2 7
50	Tinnevely.	Sattár circle ...	400 7 11	1,421 13 6	3,835 9 1	...	...	3,835 9 1	...	...	3,835 9 1	20,300	0 3 0
51		Sémudévi circle ...	508 8 2	1,431 5 1	3,897 15 10	...	...	3,897 15 10	...	...	3,897 15 10	21,519	0 2 11
52		Tinnevely do. ...	652 1 5	1,495 11 7	4,942 11 4	...	...	4,942 11 4	...	...	4,942 11 4	26,760	0 2 11
		Total of district ...	1,621 1 6	4,351 14 2	12,676 4 3	...	...	12,676 4 3	...	...	12,676 4 3	63,579	0 2 11
53	Trichinopoly.	Trichinopoly circle ...	258 4 6	698 4 7	4,023 15 10	...	...	4,023 15 10	...	...	4,023 15 10	23,623	0 2 9
54		Ariyalur do. ...	197 9 0	897 3 2	2,804 15 7	...	...	2,804 15 7	...	...	2,804 15 7	15,457	0 2 11
		Total of district ...	455 13 6	1,595 7 9	6,828 15 5	...	...	6,828 15 5	...	...	6,828 15 5	39,080	0 2 9
55	Vizagapatam.	Gunpur circle ...	598 6 0	588 9 8	2,165 7 11	...	...	2,165 7 11	...	...	2,165 7 11	2,259	0 15 4
56		Zamindari vaccinators ...	299 14 0	2 7 8	679 4 4	...	...	679 4 4	...	...	679 4 4	2,036	0 5 4
		Jeypore circle ...	955 0 0	399 13 11	2,825 14 4	...	...	2,825 14 4	...	...	2,825 14 4	4,442	0 10 2
		Zamindari vaccinators ...	447 12 0	...	1,041 14 11	...	...	1,041 14 11	...	...	1,041 14 11	4,524	0 3 8
		Total of Hill tracts ...	2,292 0 0	990 15 3	6,712 9 6	...	...	6,712 9 6	...	...	6,712 9 6	13,261	0 8 1
57	Vizagapatam.	Vizagapatam circle ...	175 0 11	449 9 1	2,946 15 2	...	...	2,946 15 2	...	...	2,946 15 2	17,821	0 2 8
		Government vaccinators ...	13 7 6	25 13 0	159 4 6	...	...	159 4 6	...	...	159 4 6	386	0 6 5
		(Gudem hills).	407 13 9	811 2 0	4,838 4 0	...	...	4,838 4 0	...	...	4,838 4 0	24,333	0 3 2
58		Total of district ...	2,889 6 2	2,277 7 4	14,657 1 2	...	...	14,657 1 2	...	...	14,657 1 2	55,811	0 4 2
		Grand Total of districts ...	35,620 9 10	40,619 13 10	2,255,916 9 1	...	...	1,97,407 7 4	...	...	2,255,916 9 1	961,665	0 3 9

Expenditure.																	
Number.	Municipalities.	Inspector of Vaccination and Deputy Sanitary Commissioner.	Pay.	Deputy Inspectors.			Vaccinators.			Clerks.		Peons, &c.		Total pay of establishment.			
				First class.	Second class.	Pay.	First class.	Second class.	Pay.	Number.	Pay.	Number.	Pay.				
1			5	6	7	8	9	10	11	12	13	14	15	16	17		
1	Adoni		RS. A. P.			RS. A. P.	1			RS. A. P.		RS. A. P.		RS. A. P.	RS. A. P.		
2	Anantapur						1			179 6 0					179 6 0		
3	Anakapalle						1			84 0 0					84 0 0		
4	Bellary							1		118 0 0					118 0 0		
5	Berhampur						1			380 0 3					380 0 3		
6	Bezwada						1			229 10 9					229 10 9		
7	Bimlipatam							1		180 0 0			1	72 0 0	180 0 0		
8	Calicut						1	3		517 2 11					517 2 11		
9	Cannanore						1			214 0 0					214 0 0		
10	Chicacole						1			180 0 0					180 0 0		
11	Chidambaram						1			157 4 1					157 4 1		
12	Chingleput								1	97 4 6					97 4 6		
13	Cochin						1			180 0 0					180 0 0		
14	Cocanada						1			332 0 0					332 0 0		
15	Coimbatore							2		240 0 0					240 0 0		
16	Conjeevaram							1		232 3 10					232 3 10		
17	Coonoor						1			222 8 4			1	24 0 0	222 8 4		
18	Cuddalore						1			258 1 0					258 1 0		
19	Cuddapah							1		120 0 0					120 0 0		
20	Dindigul							1		119 10 8			1	60 0 0	179 10 8		
21	Elore						1			300 0 0					300 0 0		
22	Erode							1		180 0 0					180 0 0		
23	Gadialattam									154 0 0					154 0 0		
24	Guntur						1			216 0 0					216 0 0		
25	Karur						1			179 8 0			1	*72 0 0	179 8 0		
26	Kodaikanal						+										
27	Kumbakonam						1			300 0 0					300 0 0		
28	Kurnool						1			180 0 0			1	72 0 0	252 0 0		
29	Madras						8		8	3,334 0 9		240 0 0	20	866 12 7	6,671 1 1		
30	Madura									300 0 0					360 0 0		
31	Manargudi							1		144 0 0					144 0 0		

[illegible]

+ Vaccination was performed by the medical officer in charge.

• Four Assistant Deputy Inspectors.



A—VACCINE DEPARTMENT.

STATEMENT No. II showing the Cost of the Department in the Madras Presidency during the official year 1900-1901—continued.

Number—cont.	Municipalities—cont.	Expenditure—cont.			Paid from					Total.	Number of all successful vaccinations, and re-	Average cost of each successful case.
		Travelling allowance.	Contingencies.	Total cost.	Imperial funds.	Provincial funds.	Local funds.	Municipal funds.	Zaminidars.			
		18	19	20	21	22	23	24	25	26	27	28
		Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
1	Aloni	...	...	...	...	...	...	...	...	...	...	...
2	Anantapur	...	...	...	...	...	...	...	...	...	...	...
3	Anakapalle	...	...	...	...	...	...	...	...	...	...	...
4	Bellary	...	...	...	...	...	...	...	...	...	...	...
5	Berhampur	...	...	...	...	...	...	...	...	...	...	...
6	Bezwada	...	...	...	...	...	...	...	...	...	...	...
7	Bidipattam	...	...	...	...	...	...	...	...	...	...	...
8	Calicut	...	...	...	...	...	...	...	...	...	...	...
9	Cannanore	...	...	...	...	...	...	...	...	...	...	...
10	Chicacole	...	...	...	...	...	...	...	...	...	...	...
11	Chidambaram	...	...	...	...	...	...	...	...	...	...	...
12	Chingleput	...	...	...	...	...	...	...	...	...	...	...
13	Cochin	...	...	...	...	...	...	...	...	...	...	...
14	Cocanada	...	...	...	...	...	...	...	...	...	...	...
15	Coimbatore	...	...	...	...	...	...	...	...	...	...	...
16	Conjeevaram	...	...	...	...	...	...	...	...	...	...	...
17	Cozoor	...	...	...	...	...	...	...	...	...	...	...
18	Cuddalore	...	...	...	...	...	...	...	...	...	...	...
19	Cuddipah	...	...	...	...	...	...	...	...	...	...	...
20	Dindigul	...	...	...	...	...	...	...	...	...	...	...
21	Elore	...	...	...	...	...	...	...	...	...	...	...
22	Erode	...	...	...	...	...	...	...	...	...	...	...
23	Gudiyattam	...	...	...	...	...	...	...	...	...	...	...
24	Guntur	...	...	...	...	...	...	...	...	...	...	...
25	Kadakkal	...	...	...	...	...	...	...	...	...	...	...
26	Kumbakonam	...	...	...	...	...	...	...	...	...	...	...
27	Kurnool	...	...	...	...	...	...	...	...	...	...	...
28	Madras	...	...	...	...	...	...	...	...	...	...	...
29	Madura	...	...	...	...	...	...	...	...	...	...	...
30	Mannargudi	...	...	...	...	...	...	...	...	...	...	...
31		...	...	...	...	...	...	...	...	...	...	...

VACCINATION RETURNS.

Municipalities—cont.	Number—cont.	Expenditure—cont.			Paid from					Total.	Number of all successful vaccinations, and re-	Average cost of each successful case.
		Travelling allowance.	Contingencies.	Total cost.	Imperial funds.	Provincial funds.	Local funds.	Municipal funds.	Zaminidars.			
		18	19	20	21	22	23	24	25	26	27	28
		Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
32	Mangalore	...	...	...	...	...	...	...	...	...	...	...
33	Masulipatam	...	...	...	...	...	...	...	...	...	...	...
34	Miyavaram	...	...	...	...	...	...	...	...	...	...	...
35	Nandyal	...	...	...	...	...	...	...	...	...	...	...
36	Nearpatam	...	...	...	...	...	...	...	...	...	...	...
37	Nellore	...	...	...	...	...	...	...	...	...	...	...
38	Ongole	...	...	...	...	...	...	...	...	...	...	...
39	Ootacamund	...	...	...	...	...	...	...	...	...	...	...
40	Palacottah	...	...	...	...	...	...	...	...	...	...	...
41	Palakur	...	...	...	...	...	...	...	...	...	...	...
42	Palakur	...	...	...	...	...	...	...	...	...	...	...
43	Periyakulam	...	...	...	...	...	...	...	...	...	...	...
44	Palni	...	...	...	...	...	...	...	...	...	...	...
45	Rajahmundry	...	...	...	...	...	...	...	...	...	...	...
46	Salem	...	...	...	...	...	...	...	...	...	...	...
47	Srirangam	...	...	...	...	...	...	...	...	...	...	...
48	Srivilliputur	...	...	...	...	...	...	...	...	...	...	...
49	Tanjore	...	...	...	...	...	...	...	...	...	...	...
50	Tellicherry	...	...	...	...	...	...	...	...	...	...	...
51	Tinnevely	...	...	...	...	...	...	...	...	...	...	...
52	Tiruchinopoly	...	...	...	...	...	...	...	...	...	...	...
53	Tirupattur	...	...	...	...	...	...	...	...	...	...	...
54	Tiruvannamalai	...	...	...	...	...	...	...	...	...	...	...
55	Tuticorin	...	...	...	...	...	...	...	...	...	...	...
56	Vaikunthapur	...	...	...	...	...	...	...	...	...	...	...
57	Vellore	...	...	...	...	...	...	...	...	...	...	...
58	Vizagapatnam	...	...	...	...	...	...	...	...	...	...	...
59	Vizianagaram	...	...	...	...	...	...	...	...	...	...	...
60	Wadajpet	...	...	...	...	...	...	...	...	...	...	...
61		...	...	...	...	...	...	...	...	...	...	...
Total of Municipalities		...	...	...	...	...	...	...	...	...	...	...
Bangalore		...	...	...	...	...	...	...	...	...	...	...
Secunderabad		...	...	...	...	...	...	...	...	...	...	...
Total		...	...	...	...	...	...	...	...	...	...	...
Grand Total		...	...	...	...	...	...	...	...	...	...	...

* In finding out the average cost of each successful case excluding the vaccination performed in Natal and Mauritius Depots, the amount realized by sale of lymph, viz., Rs. 1,565-3-6 has been deducted from the total cost.

† Paid from Abkari Funds.

B—DISPENSARY VACCINATION.

STATEMENT No. III showing Dispensary Vaccination in the Madras Presidency during the official year 1900-1901—continued.

Districts.	Number of dispensaries in each district to which a vaccinator is attached.	Average number of vaccinators attached to dispensaries during the year.	Total number of persons vaccinated.	Average number of persons vaccinated by each vaccinator.	Primary and secondary vaccinations.						Re-vaccination.				Percentage of successful cases.	
					Total.	Successful.			Unsuccessful.	Unknown.	Total.	Successful.	Unsuccessful.	Unknown.	Primary and secondary vaccinations.	Re-vaccination.
						Under 1 year.	Over 1 and under 6 years.	Total of all ages.								
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
<i>Trichinopoly District</i>																
-- cont.																
Huppār	...	...	16	...	16	...	16	16	...	...	...	...	...	...	100.0	...
Jeyankondasolapuram.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kattuputtar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kulittalai	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Lalgudi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Manappārai	...	...	31	...	31	14	17	31	...	...	...	...	...	...	100.0	...
Musiri	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Perambalur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Serangam	...	...	54	...	54	19	31	53	...	1	...	...	...	...	100.0	...
Trichinopoly	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Turaiyūr	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tuvarankurichi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Oriyūr Jubilee Dispensary.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total	...	...	124	...	124	40	78	122	...	2	...	...	...	...	100.0	...
<i>Vizagapatam District.</i>																
Anakāpalle	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Bimlipatam	...	...	40	...	20	3	11	20	...	...	20	20	...	...	100.0	100.0
Bobbili	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Do. Gosha Hospital.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Chipurupalle	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Chōdavaram	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Gajapatnagarum	...	...	11	...	11	6	4	10	1	...	...	...	...	...	90.9	...
Jamī	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Nakkapilli	...	...	8	...	2	...	1	1	1	...	6	3	1	2	50.0	75.0
Narasapatnam	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Palkonda	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pārcatipuram	...	...	73	...	73	33	28	73	...	...	...	...	...	...	100.0	...
Pondur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Razam	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sālūr	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sringavarapukota	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Veeraghattam	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Vizagapatam	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Vizagapatam Female Hospital.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Vizianagram Maharaja's Hospital.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Waltair	...	...	10	...	2	...	...	...	2	...	8	1	7	...	...	12.5
Yellamanchili	...	...	35	...	32	9	18	32	...	...	3	...	1	2	100.0	...
Total	...	...	177	...	140	51	62	136	4	...	37	24	9	4	97.1	72.7
Grand Total	...	...	12,164	...	10,271	1,989	5,046	8,952	941	378	1,893	1,896	338	189	96.5	80.2

STATEMENT No. IV showing the number of persons primarily vaccinated and the numbers of those persons who were successfully vaccinated in the Madras Presidency in each of the undermentioned years.

Establishment.	Persons primarily vaccinated.											
	1891-92.		1892-93.		1893-94.		1894-95.		1895-96.		1896-97.	
	Total number.	Number successfully vaccinated.	Total number.	Number successfully vaccinated.	Total number.	Number successfully vaccinated.	Total number.	Number successfully vaccinated.	Total number.	Number successfully vaccinated.	Total number.	Number successfully vaccinated.
Government vaccinators	16,375	14,966	15,038	13,823	15,667	14,015	18,780	16,717	20,306	17,691	25,693	26,911
Local Fund do.	820,195	768,616	932,509	889,618	948,275	897,051	956,040	874,099	965,873	879,660	915,095	902,880
Cantonment do.	3,253	2,968	5,206	4,806	3,713	3,407	2,727	2,525	4,071	3,827	3,840	5,427
Zamindari do.	6,628	6,430	6,860	6,496	6,359	5,536	5,778	4,901	6,341	5,055	9,363	6,548
Municipal do.	100,830	95,898	106,364	100,613	102,207	98,150	105,875	101,209	103,753	98,716	102,063	99,284
Dispensaries	45,531	36,101	35,958	30,292	26,541	23,079	24,415	20,603	17,526	15,101	9,754	8,952
Medical subordinates	3,804	2,724	4,882	3,827	2,586	1,913	3,505	2,980	2,775	2,214	1,511	3,200
Total	996,274	927,719	1,106,517	1,019,505	1,105,498	1,013,181	1,116,820	1,023,097	1,120,625	1,022,267	1,067,319	1,033,292

N.B.—The information for the years commencing from 1897-98 includes secondary vaccination also.

STATEMENT No. V showing particulars of Vaccination verified by Inspecting Officers during 1900-1901.

Districts.	Total number of persons vaccinated.	Total number inspected		Percentage of inspection to total number vaccinated.		Percentage of cases found successful to total number inspected.		Percentage of success as reported by Vaccinators.
		By Civil Surgeons.	By Native Superintendents or other Inspecting Officers.	By Civil Surgeons.	By Native Superintendents or other Inspecting Officers.	By Civil Surgeons.	By Native Superintendents or other Inspecting Officers.	
Anantapur ...	21,516	509	10,975	2.4	51.0	98.6	94.5	98.1
Bellary ...	37,194	226	21,650	0.6	58.2	100.0	92.6	96.7
Chingleput ...	44,510	...	18,961	...	42.6	...	94.0	92.6
Coimbatore ...	61,190	2,630	28,435	4.4	46.5	86.5	77.5	69.3
Cuddapah ...	27,185	468	17,617	1.7	64.9	96.1	95.0	98.0
Ganjām ...	68,142	837	39,104	1.2	57.4	61.7	85.8	88.1
Gōdāvari ...	111,447	1,354	59,698	1.2	53.5	93.6	86.7	88.8
Kistna ...	78,015	324	42,675	0.4	54.7	95.4	89.8	87.8
Kurnool ...	32,432	1,249	14,694	3.8	45.9	80.5	91.0	95.1
Madura ...	78,737	4,185	33,741	5.3	42.8	92.0	95.1	98.1
Malabar ...	90,776	2,697	21,467	3.0	23.6	80.1	76.6	81.0
Nellore ...	40,588	1,690	27,486	4.2	67.7	87.9	92.6	92.2
Nilgiris ...	5,677	526	1,594	9.3	28.1	94.1	94.9	97.4
North Arcot ...	49,500	1,822	25,443	3.7	51.4	99.0	95.3	96.6
Salem ...	77,275	3,895	35,823	5.0	46.3	94.5	97.2	97.2
South Arcot ...	61,076	2,629	38,157	4.3	62.5	91.4	89.9	98.4
South Canara ...	43,857	1,177	21,643	2.7	49.3	99.8	91.9	89.5
Tanjore ...	84,663	3,144	43,936	3.7	51.9	97.3	92.5	92.9
Tinnevely ...	81,466	3,142	50,966	3.8	62.6	81.4	94.2	95.8
Trichinopoly ...	51,016	3,333	24,637	6.5	48.4	92.5	99.0	99.0
Vizagapatam ...	72,206	...	37,914	...	52.5	...	85.9	87.0
Total ...	1,218,468	35,897	616,586	2.9	50.6	90.2	90.6	91.4

N.B.—In the above table the statistics relating to Madras Municipality have not been shown, as complete information could not be obtained.

* Excludes cases performed in Madras City and Cantonments.

STATEMENT No. VI showing Statistics relating to the number of children under one year of age in Municipalities available for vaccination and the number of successful operations performed on them. (G.O., No. 960 L., M.S., dated 31st May 1900.)

Municipalities.	Number of births available for vaccination during the year 1900.	Number of deaths amongst children under one year during the year.	Number available for vaccination after deducting the numbers who have died as shown in col. 3.	Number of successful vaccinations on children under one year during the year ending March 1901.	Date of extension of Vaccination Act to Municipalities.
1	2	3	4	5	6
Adoni ...	1,245	173	1,072	789	1st Dec. 1886.
Anantapur ...	228	62	166	121	1st Jan. 1886.
Anakāpalle ...	695	68	627	504	1st Nov. 1891.
Bellary ...	1,898	305	1,593	617	1st Jan. 1891.
Berhampur ...	940	174	766	401	15th April 1891.
Bezawada ...	906	164	742	586	1st May 1892.
Bimlipatam ...	307	33	274	173	1st Jan. 1894.
Calicut ...	2,574	401	2,173	1,123	1st Oct. 1891.
Cannanore ...	1,010	161	849	409	1st June 1891.
Chicacole ...	561	79	485	314	1st Dec. 1890.
Chidambaram ...	619	138	481	351	1st July 1887.
Chingleput ...	408	55	353	89	1st April 1897.
Cochin ...	732	165	567	396	1st Jan. 1894.
Cocanada ...	1,238	257	981	1,115	1st June 1890.
Coimbatore ...	1,929	279	1,650	377	1st Jan. 1889.
Conjeeveram ...	1,726	369	1,357	988	1st Jan. 1891.
Coonoor ...	242	52	190	156	1st April 1887.
Cuddalore ...	1,877	392	1,485	880	1st Aug. 1890.
Cuddapah ...	485	99	386	113	15th July 1886.
Dindigul ...	817	74	743	539	16th July 1888.
Ellore ...	1,116	231	885	521	1st June 1889.
Erode ...	525	92	433	278	1st April 1888.
Gadivāttam ...	854	164	690	412	1st June 1891.
Guntūr ...	1,125	206	919	689	1st Jan. 1889.
Karūr ...	523	97	426	265	1st Sept. 1893.
Kodaikānal ...	61	14	47	31	1st April 1900.
Kumbhakōnam ...	1,700	340	1,360	719	1st Aug. 1889.
Kurnool ...	989	209	780	512	1st July 1889.
Madura ...	2,536	660	1,876	1,560	1st Jan. 1891.
Mannārgudi ...	569	107	462	240	1st Dec. 1890.
Mangalore ...	1,302	306	996	747	1st Sept. 1891.
Masulipatam ...	1,322	212	1,110	635	1st May 1888.
Māyavaram ...	853	157	696	366	1st Oct. 1886.
Nandyal ...	462	74	388	305	1st Jan. 1900.
Negapatam ...	1,866	425	1,441	970	1st July 1886.
Nellore ...	1,043	175	868	379	1st Aug. 1886.
Ongole ...	439	178	261	224	1st Dec. 1885.
Ootacamund ...	709	128	581	434	1st July 1887.
Palamcottah ...	522	105	417	272	1st May 1886.
Palghat ...	1,890	395	1,495	1,030	1st Jan. 1893.
Parlākimedi ...	704	114	590	489	1st Dec. 1899.
Periyakulam ...	844	182	662	521	1st Feb. 1891.
Palni ...	543	110	433	490	1st Dec. 1891.
Rajahmundry ...	1,059	267	792	512	1st Jan. 1886.
Salem ...	2,729	432	2,297	1,926	1st Mar. 1891.
Srirangam ...	672	103	569	366	1st July 1888.
Srivilliputtūr ...	1,104	200	904	753	1st Jan. 1896.
Tanjore ...	2,162	495	1,667	821	1st July 1893.
Tellicherry ...	1,095	206	889	747	15th Jan. 1892.
Tinnevely ...	937	324	613	384	1st July 1886.
Trichinopoly ...	3,210	680	2,530	1,768	1st Aug. 1890.
Tirupattūr *	...	...	...	...	1st April 1891.
Tirupati ...	478	110	368	229	1st Mar. 1890.
Tiruvannāmalai ...	656	108	548	346	15th Dec. 1897.
Tuticorin ...	967	254	713	503	1st May 1892.
Vāniyambādi ...	883	116	767	515	1st May 1889.
Vellore ...	1,484	148	1,336	798	1st Jan. 1887.
Vizagapatam ...	1,400	205	1,195	667	1st Aug. 1890.
Vizianagram ...	1,069	158	911	622	1st Jan. 1891.
Walajapet ...	330	49	281	191	20th June 1892.
Total ...	63,172	11,936	51,236	33,368	

* Vaccination was not conducted owing to the prevalence of plague.

STATEMENT No. VII showing Inspection Work done by Deputy Inspectors during the year 1900-1901.

Circles.	Number of inspecting officers.		Number of villages visited.		Total number of persons vaccinated.	Number of days spent on inspection duty.	Number of cases verified.		Total number of cases inspected by deputy inspectors of all sorts.	Total number of successful cases to total number inspected as reported by deputy inspectors.	Percentage of successful cases to total number inspected as reported by deputy inspectors.	Proportion per cent. of inspection to total number vaccinated.	
	First-class inspectors.	Second-class inspectors.	First-class inspectors.	Second-class inspectors.			First-class inspectors.	Second-class inspectors.				First-class inspectors.	Second-class inspectors.
Anantapur ...	1	...	273	...	11,787	206	6,128	...	6,128	5,656	92.3	52.0	...
Penukonda ...	1	...	329	...	9,327	188	4,847	...	4,847	4,704	97.0	...	52.0
Bellary ...	1	...	591	...	20,480	271	13,155	...	13,155	12,127	92.2	64.2	...
Harpanakalle ...	1	...	383	...	10,282	264	8,495	...	8,495	7,915	93.2	...	82.6
Chingleput ...	1	...	564	...	23,498	215	9,740	...	9,740	9,239	94.8	41.5	...
Saidapet ...	1	...	370	...	18,320	217	9,212	...	9,212	8,579	93.1	59.3	...
North Coimbatore ...	1	...	492	...	15,875	217	9,893	...	9,893	7,652	77.3	62.3	...
South Coimbatore ...	1	...	340	...	16,007	254	9,607	...	9,607	7,814	81.3	...	60.0
East Coimbatore ...	1	...	232	...	21,605	193	8,935	...	8,935	6,564	73.5	36.3	...
Cuddapah ...	1	...	500	...	7,871	224	4,754	...	4,754	4,355	91.6	60.4	...
Madanapalle ...	1	...	1,260	...	12,613	237	8,942	...	8,942	8,569	95.8	70.9	...
Siddhout ...	1	...	261	...	5,816	222	3,951	...	3,951	3,846	97.3	67.9	...
Chatrapur ...	1	...	288	...	22,545	186	8,996	...	8,996	6,689	74.4	39.9	...
Chicacole ...	1	...	418	...	19,257	275	12,549	...	12,549	10,870	86.6	65.2	...
Ganjām Hill Tracts ...	1	...	551	...	17,704	202	12,231	...	12,231	11,569	94.6	69.1	...
Russellkondah* ...	1	...	310	...	3,226	108	5,328	...	5,328	4,435	83.2	...	165.2
Ellore ...	1	...	717	...	42,160	306	30,165	...	30,165	25,859	85.7	71.5	...
Pithapuram ...	1	...	312	...	38,087	207	16,752	...	16,752	14,369	85.4	...	44.0
Rajahmundry ...	1	...	411	...	18,579	247	12,691	...	12,691	11,505	90.7	68.3	...
Guntur ...	1	...	306	...	30,877	241	18,184	...	18,184	16,429	90.3	58.9	...
Masulipatam ...	1	...	349	...	25,471	209	12,997	...	12,997	11,367	87.5	51.0	...
Narasarowpet ...	1	...	264	...	17,005	202	11,494	...	11,494	10,516	91.5	...	67.6
Kurnool ...	1	...	499	...	16,398	222	9,958	...	9,958	9,033	90.7	60.7	...
Cumbam ...	1	...	260	...	13,784	151	4,736	...	4,736	4,338	91.6	31.3	...
Madras ...	1	...	...	...	32,571	1,460	9,676	...	9,676	8,322	85.9	55.2	...
Dindigul ...	1	...	678	...	27,677	258	14,320	...	14,320	13,464	94.0	51.7	...
Madura ...	1	...	299	...	19,201	246	11,853	...	11,853	11,704	98.7	...	61.7
Paramagudi ...	1	...	413	...	21,490	214	7,568	...	7,568	6,927	91.5	35.2	...
Tellicherry ...	1	...	138	...	19,914	208	7,590	...	7,590	6,084	80.2	38.1	...
Calicut ...	1	...	84	...	28,581	172	5,653	...	5,653	3,967	70.2	...	19.8
Paigat ...	1	...	196	...	28,062	204	8,224	...	8,224	6,404	77.9	...	29.3
Southern (Nellore) ...	1	...	376	...	10,330	255	7,505	...	7,505	6,873	91.6	72.6	...
Central (Nellore) ...	1	...	484	...	11,619	260	9,681	...	9,681	9,171	94.7	...	83.3
Northern (Nellore) ...	1	...	484	...	15,886	289	10,300	...	10,300	9,419	91.4	...	64.8
Nilgiris ...	1	...	...	...	3,812	...	1,594	...	1,594	1,513	94.9	...	41.5
Chittoor ...	1	...	939	...	16,210	175	10,722	...	10,722	10,505	98.0	66.1	...
Vellore ...	1	...	436	...	14,758	202	7,963	...	7,963	7,578	95.2	53.9	...
Karvetnagar ...	1	...	463	...	11,781	215	6,758	...	6,758	6,272	92.8	...	57.3
Salem ...	1	...	673	...	27,685	254	14,563	...	14,563	14,259	98.1	52.6	...
Northern (Salem) ...	1	...	408	...	18,613	244	8,011	...	8,011	7,799	97.0	...	43.1
Namakkal ...	1	...	228	...	25,117	209	13,219	...	13,219	12,838	97.1	...	52.6
Cuddalore ...	1	...	673	...	24,629	232	17,784	...	17,784	17,174	96.6	72.2	...
Vridhachalam ...	1	...	486	...	13,284	268	11,384	...	11,384	8,457	74.3	...	85.7
Tiruvannamalai ...	1	...	427	...	17,762	237	8,989	...	8,989	8,689	96.7	...	50.6
Northern (South Canara) ...	1	...	231	...	22,118	203	11,105	...	11,105	10,366	93.3	50.2	...
Kasaragod (South Canara) ...	1	...	144	...	18,349	256	10,538	...	10,538	9,524	90.4	...	57.4
Tanjore ...	1	...	412	...	25,617	285	13,732	...	13,732	12,591	91.7	53.6	...
Nagapattinam ...	1	...	461	...	26,476	294	17,812	...	17,812	16,954	95.0	...	67.4
Puttukkottai ...	1	...	441	...	19,437	276	12,362	...	12,362	11,096	89.8	...	63.6
Tinnevely ...	1	...	480	...	28,657	252	15,801	...	15,801	14,639	92.7	55.1	...
Sattur ...	1	...	350	...	21,617	265	15,000	...	15,000	14,741	98.5	...	72.1
Semudavi ...	1	...	676	...	23,053	304	19,562	...	19,562	18,619	95.2	...	84.9
Tiruchinopoly ...	1	...	416	...	24,779	226	14,312	...	14,312	14,174	99.0	57.8	...
Ariyadur ...	1	...	284	...	16,257	225	10,325	...	10,325	10,217	99.0	...	63.5
Vizagapatam ...	1	...	424	...	21,463	173	11,577	...	11,577	9,364	80.9	...	53.9
Vizianagaram ...	1	...	421	...	25,661	224	15,534	...	15,534	14,823	95.4	60.5	...
Gunapar ...	1	...	287	...	5,659	161	3,832	...	3,832	3,039	79.3	...	67.8
Jeypore ...	1	...	476	...	13,319	294	7,001	...	7,001	5,378	76.8	52.6	...
Total ...	33	29	15,169	8,567	1,123,103	14,336	372,405	262,179	634,584	575,866	90.7	55.8	57.7

* Russellkondah was constituted a vaccination range on 23rd November 1900. † Assistant Deputy Inspectors.
 ‡ Not available. § Represents the number of days spent on inspection duty by four Assistant Deputy Inspectors.
 ¶ Includes verification of cases vaccinated prior to the formation of the range.
 ¶ In working out these columns, the figures relating to Madras have not been taken into account.

No. 1275 L., 7th August 1901.

GOVERNMENT OF MADRAS.

LOCAL AND MUNICIPAL DEPARTMENT.

READ—the following paper:—

From Major A. E. GRANT, I.M.S., Acting Sanitary Commissioner for Madras, to the Secretary to Government, Local and Municipal Department, dated 15th July 1901, No. 1454-S.

I have the honour to forward the accompanying report of the Inspector of Vaccination and Deputy Sanitary Commissioner on the work of the Vaccination department for the official year ending 31st March last.

2. Unlike the two previous years in which, owing to the plague scare in certain districts, there was a retrogression in the outturn of work, the year under review was characterised by an advance which is satisfactory.

3. The total number of cases verified during the year by the Inspector of Vaccination and Deputy Sanitary Commissioner cannot be ascertained. From the 14th September 1900 to 18th March 1901, i.e., whilst I held the above appointment, I verified 1,252 cases. This number would ordinarily be very much higher. During the greater part of this time, and owing chiefly to the indisposition of the Sanitary Commissioner, I was employed on other duties than those connected with vaccination. It must also be noted that the details of procedure in regard to verification vary very widely. So far as I am concerned, I attempted strictly to follow the instructions of Lieut.-Colonel King, viz., to confine my attention to a few cases selected by myself and to satisfy myself that I actually verified those particular cases and no others. This method entails much careful questioning and cross examination, besides a large amount of walking about in town or village, and I found that only about seven cases could be verified in one hour, on an average. In the Jeypore Agency, however, the method was quite hopeless (*vide* G.O., No. 521, Judicial, dated 2nd April 1901) and I had to trust to careful scrutiny of the children collected. By having all the cases for verification collected beforehand in a town or village, and simply ticking them off, after an examination of their arms, it is possible to secure a very large total; but I am of opinion that such a procedure is of little value, and that a small number of cases *really verified* is worth far more than a large total obtained in the manner above described.

4. So far as I can gather from the various means and sources of information at my disposal, there is little doubt that the interruption of the regular inspection of ranges and of municipalities by the Inspector of Vaccination and Deputy Sanitary Commissioner, owing chiefly to plague, has acted most adversely on the Vaccination department, and in ways which do not necessarily affect the total of cases vaccinated. It is, therefore, highly desirable that the present arrangement, by which the one Inspector of Vaccination and Deputy Sanitary Commissioner of this Presidency (as compared with five in Bombay, three in Bengal and two in the North-West Provinces) is prevented from touring through the districts for nine months out of twelve, should be altered as speedily as possible and things restored to the *status quo ante*.

5. Owing partly to the late receipt of the vaccination returns (*vide* G.O., No. 830 L., dated 20th May 1901), partly to the recent changes in both the Sanitary Commissionership and Deputy Sanitary Commissionership, partly to excess of other work and partly to the late receipt (9th July) of G.O., No. 1068 L., dated 28th June 1901,

this report has been, I regret to say, submitted a few days in arrears. This, however, was, under the circumstances, unavoidable and I trust that Government will recognise the fact.

The covering letter of the Inspector of Vaccination has been reduced to three pages only and as many statements as possible have been placed in the appendix, or omitted, in accordance with G.O., No. 1068 L., dated 28th June 1901.

ORDER—No. 1275 L., dated 7th August 1901.

There was an increase in the work done by the Vaccination department, the number of vaccine operations performed during the year having exceeded that of the previous year by 98,474 or 8.5 per cent. This increase was particularly large in the districts of Górávari (25,751), Trichinopoly (17,245), Malabar (17,063) and Salem (16,979). On the other hand, there was a considerable fall in Vizagapatam (8,390) and Madura (7,241) which in the former case is ascribed to various causes, and in the latter to the incompleteness of the staff of vaccinators. The explanations offered for the short work in Vizagapatam, where a decrease has occurred for two successive years, point to unsatisfactory administration. The President of the District Board is requested to devise measures to remedy the present state of things.

2. The percentage of success remained almost stationary in the case of primary and secondary vaccination, but in the case of revaccination it rose from 76.1 to 77.7. In the Coimbatore district, however, the percentage of successful primary and secondary vaccinations was as low as 68.3.

3. The average cost of each successful operation fell by two pies (from As. 3-9 to As. 3-7). Taking the districts individually, it was more than As. 4 in Anantapur, Bellary, Cuddapah, Nellore, North Arcot, the Nilgiris, Coimbatore and South Canara. In all these districts, except Coimbatore and South Canara, a similarly high average cost was noticed in last year's review. In the case of municipalities the cost exceeded As. 8 in Bimlipatam and Cuddapah and for a second consecutive year in Tirupati and Walajapet. The District Boards and the Municipal Councils concerned are requested to see if the cost cannot be reduced without sacrificing efficiency.

4. The total number of successful operations on children under one year rose from 324,241 to 350,763, the districts of Bellary, Anantapur, Trichinopoly, the Nilgiris and Kistna, and the municipalities of Palni, Dindigul, Bellary, Anakápal, Mangalore and Nellore having chiefly contributed to this increase. There was, however, a large decrease in Coimbatore, which is attributed to the inferiority of the lanoline paste supplied from the local depot. It is presumed that the low percentage of success in primary and secondary vaccination in this district, noticed in paragraph 2 above, was also due to this cause. The cause of the inferiority of the lymph should be reported to Government and it should be explained why it did not earlier attract attention. Decreases of more than 20 per cent. occurred in the municipalities of Palameottah, Walajapet, Tinnevely, Cuddapah and Cannanore, for which no explanation has been offered. The Chairmen of the Municipal Councils concerned are requested to supply the omission. It is observed that out of the total number of children available for vaccination, more than 50 per cent. escaped vaccination in the municipalities of Bellary, Cannanore, Chingleput, Coimbatore, Cuddapah, Nellore and Tanjore. This indicates that the provisions of the District Municipalities Act in regard to compulsory vaccination have been neglected in these towns. The Municipal Councils concerned should bestow proper attention on this branch of their administration.

5. The mortality from small-pox rose from 21,195 to 27,161, the increase having been caused by severe epidemics in Górávari and Tanjore. Special efforts were made in Górávari to promote vaccination. In Tanjore only a slight endeavour appears to have been made in this direction, as the total number of persons vaccinated during the year shows an increase of only 2,192. The attention of the President of this District Board is drawn to the matter.

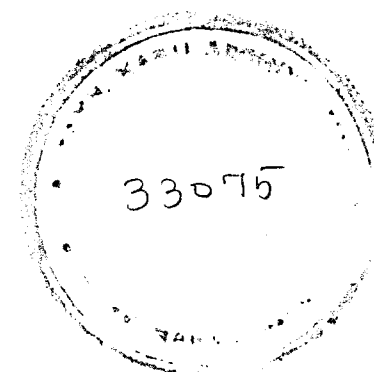
6. The number of cases verified by Deputy Inspectors of Vaccination rose by 31,404; but eleven of them, against eight in the previous year, failed to verify 50 per cent. of the operations in their ranges. It is presumed that the Sanitary Commissioner has called for an explanation from the officers concerned and that he will deal with them suitably. The Deputy Inspectors of the Harpanahalle, Nellore (Central), Vriddhachalam and Sérmádévi ranges appear to have done good work, having verified more than 80 per cent. of the total number of cases. There was also an increase from 31,959 to 35,897 in the number of cases verified by the District Medical and Sanitary Officers. Those of Chingleput and Vizagapatam do not appear to have inspected any case: the circumstances under which this omission occurred should be explained. Major Grant, while in charge of the office of Inspector of Vaccination, verified 1,252 cases during his tours, all the cases having been specially selected by himself from the vaccination registers. The Government agrees with him in considering that this is an improvement on the old system of having all the cases for verification collected beforehand in a town or village and passing them after examination of the arms.

7. The percentage of success obtained with lanoline paste was 93.4 in the case of lymph supplied by the Mysore Government vaccine institute at Bangalore and 79.1 in the case of lymph locally prepared.

8. With reference to his request in paragraph 4 of his letter, the Sanitary Commissioner is informed that the matter is under consideration.

(True Extract.)

C. J. WEIR,
Ag. Secretary to Government.



NO1