

Revenue (1898) Department.

PRESS SERIES.

G.O., No. 190

Dated 1<sup>st</sup> April 1898.

[Despatch Abstract.]

Special Death-rate Returns.

Recording P.D.'s Pros. recording with remarks — for the affected districts recd. from the Sanitary Commrs for the month of Decr. 1897.

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REVENUE DEPARTMENT.

1898.

Current No 2040

## Board of Revenue

(Revenue Settlement, Land Records and Agriculture),

MADRAS.

Recd. 13 Mar

Enclosures

Regd. 14

1898.

Spare copies

Printed March th.

Proceedings, No. 100, 2nd March 1898.

Order (Bum) No 1908/1 April 1898

Received

14/3/98

MARCH.

21/3/98

To the Board of Revenue  
Copy to the Secy. Secy.

18/3/98

18/3/98

Special death-rate returns.—Recording, with remarks, — for the affected districts received from the Sanitary Commissioner for the month of December 1897.

PROCEEDINGS OF THE BOARD OF REVENUE  
(REVENUE SETTLEMENT, LAND RECORDS AND AGRICULTURE).

Read—again the following Proceedings of the Board of Revenue (R.S., L.R. and Agri.), Mis. No. 1253, dated 21st February 1898:—

Read—the following letter from Surgeon-Lieut.-Col. W. G. KING, M.B., C.M., D.P.H., Sanitary Commissioner for Madras, to the Secretary to the Board of Revenue (R.S., L.R. and Agri.), dated Fort St. George, 16th February 1898, No. 328-S.:—

With reference to the Proceedings of the Board of Revenue, Mis. No. 2402, dated 30th March 1897, I have the honour to forward herewith the death-rates for the famine-affected districts for the month of December 1897, as compared with the average of ten previous non-famine years. To enable an estimate to be formed as to the causation of mortality, I attach statements giving the necessary details in the case of those districts which have shown a large increase over the average.

2. The return from Ganjam has not yet been received in this office. It has been wired for; on receipt thereof a supplemental statement will be forwarded.

3. The rates with the exception of those of Ganjam have been communicated to the Government of India.

ENCLOSURES.

SPECIAL death-rate return for the famine-affected districts for December 1897.

| Districts.      | Calculated on the Census population.         |                                              | Calculated on the estimated population.                                        |                                                                                           | Deaths from starvation. |
|-----------------|----------------------------------------------|----------------------------------------------|--------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------|
|                 | Death-rate of the month per mille per annum. | Death-rate of the month per mille per annum. | Average death-rate of the month per mille per annum during ten previous years. | Average death-rate of the month per mille per annum during ten previous non-famine years. |                         |
| Vizagapatam ..  | 38.6                                         | ..                                           | 20.1                                                                           | 20.2                                                                                      | ..                      |
| Bhadrachalam .. | 32.6                                         | 29.0                                         | 43.3                                                                           | 43.9                                                                                      | ..                      |
| Nellore ..      | 21.9                                         | 19.3                                         | 16.5                                                                           | 16.1                                                                                      | ..                      |
| Kurnool ..      | 25.8                                         | 22.7                                         | 25.7                                                                           | 25.0                                                                                      | ..                      |
| Cuddapah ..     | 26.7                                         | 24.5                                         | 25.3                                                                           | 24.4                                                                                      | ..                      |
| Bellary ..      | 28.2                                         | 23.8                                         | 20.4                                                                           | 20.0                                                                                      | ..                      |
| Anantapur ..    | 25.6                                         | 23.5                                         | 19.1                                                                           | 19.5                                                                                      | ..                      |

\* The rates have been calculated on the Census population for which returns were received, as it has not been found possible to estimate the population correctly owing to the fluctuations in the populations for which returns were received from this district. Again the average rates of five years, instead of ten, are given, as the populations for which returns were received are not available from 1892-95.

VIZAGAPATAM District—December 1897.

| Years.  | Population for which returns were received. | Total deaths. | Death-rate per mille of population. | Number of deaths under each of the principal causes. |            |         |                          |                   | Percentage of total deaths under |            |         |                          |                   |
|---------|---------------------------------------------|---------------|-------------------------------------|------------------------------------------------------|------------|---------|--------------------------|-------------------|----------------------------------|------------|---------|--------------------------|-------------------|
|         |                                             |               |                                     | Cholera.                                             | Small-pox. | Fevers. | Dysentery and diarrhoea. | All other causes. | Cholera.                         | Small-pox. | Fevers. | Dysentery and diarrhoea. | All other causes. |
| 1888 .. | 1,232,631                                   | 1,710         | 16.6                                | 1                                                    | 29         | 1,460   | 19                       | 201               | 0.1                              | 1.7        | 85.4    | 1.1                      | 11.7              |
| 1889 .. | 1,390,887                                   | 3,006         | 25.9                                | 3                                                    | 61         | 2,700   | 33                       | 209               | 0.1                              | 2.0        | 89.8    | 1.1                      | 7.0               |
| 1890 .. | 1,493,909                                   | 2,329         | 18.7                                | ..                                                   | 28         | 2,072   | 26                       | 203               | ..                               | 1.2        | 89.0    | 1.1                      | 8.7               |
| 1891 .. | 1,455,656                                   | 2,584         | 21.3                                | 1                                                    | 51         | 2,161   | 46                       | 325               | 0.04                             | 2.0        | 83.6    | 1.8                      | 12.6              |
| 1892 .. | 1,942,195                                   | 3,003         | 18.6                                | ..                                                   | 107        | 2,535   | 74                       | 287               | ..                               | 3.6        | 84.4    | 2.5                      | 9.5               |
| 1893 .. | 1,942,195                                   | 3,466         | 21.4                                | 39                                                   | 41         | 3,012   | 68                       | 306               | 1.1                              | 1.2        | 86.9    | 2.0                      | 8.8               |
| 1894 .. | 1,942,195                                   | 3,366         | 20.8                                | ..                                                   | 38         | 2,951   | 63                       | 314               | ..                               | 1.1        | 87.7    | 1.9                      | 9.3               |
| 1895 .. | 1,572,010                                   | 3,413         | 26.1                                | 25                                                   | 3          | 3,035   | 76                       | 274               | 0.8                              | 0.1        | 88.9    | 2.2                      | 8.0               |
| 1896 .. | 1,600,371                                   | 2,697         | 20.2                                | 18                                                   | 117        | 2,199   | 64                       | 299               | 0.7                              | 4.3        | 81.5    | 2.4                      | 11.1              |
| 1897 .. | 1,480,618                                   | 4,761         | 38.6                                | 80                                                   | 69         | 4,194   | 83                       | 335               | 1.7                              | 1.4        | 88.1    | 1.8                      | 7.0               |

NELLORE District—December 1897.

| Years.  | Estimated population. | Total deaths. | Death-rate per mille of population. | Number of deaths under each of the principal causes. |            |         |                          |                   | Percentage of total deaths under |            |         |                          |                   |
|---------|-----------------------|---------------|-------------------------------------|------------------------------------------------------|------------|---------|--------------------------|-------------------|----------------------------------|------------|---------|--------------------------|-------------------|
|         |                       |               |                                     | Cholera.                                             | Small-pox. | Fevers. | Dysentery and diarrhoea. | All other causes. | Cholera.                         | Small-pox. | Fevers. | Dysentery and diarrhoea. | All other causes. |
| 1888 .. | 1,407,156             | 1,420         | 12.1                                | 3                                                    | 12         | 792     | 33                       | 580               | 0.2                              | 0.8        | 55.8    | 2.3                      | 40.9              |
| 1889 .. | 1,432,902             | 1,745         | 14.6                                | ..                                                   | 48         | 852     | 50                       | 795               | ..                               | 2.8        | 48.8    | 2.9                      | 45.5              |
| 1890 .. | 1,459,304             | 1,892         | 15.6                                | 12                                                   | 5          | 1,061   | 41                       | 773               | 0.6                              | 0.3        | 56.1    | 2.2                      | 40.8              |
| 1891 .. | 1,486,099             | 2,361         | 19.1                                | 174                                                  | 98         | 1,039   | 58                       | 992               | 7.4                              | 4.1        | 44.0    | 2.5                      | 42.0              |
| 1892 .. | 1,513,386             | 2,432         | 19.3                                | ..                                                   | 24         | 1,277   | 56                       | 1,075             | ..                               | 1.0        | 52.5    | 2.8                      | 44.2              |
| 1893 .. | 1,511,174             | 2,064         | 16.1                                | ..                                                   | 6          | 1,094   | 43                       | 921               | ..                               | 0.3        | 53.0    | 2.1                      | 44.6              |
| 1894 .. | 1,569,472             | 2,175         | 16.6                                | 7                                                    | 8          | 1,166   | 43                       | 951               | 0.3                              | 0.4        | 53.6    | 2.0                      | 43.7              |
| 1895 .. | 1,598,289             | 2,147         | 16.1                                | ..                                                   | 8          | 1,134   | 36                       | 989               | ..                               | 0.4        | 52.8    | 1.7                      | 45.1              |
| 1896 .. | 1,627,037             | 2,550         | 18.8                                | 13                                                   | 6          | 1,294   | 60                       | 1,177             | 0.6                              | 0.2        | 50.7    | 2.4                      | 46.2              |
| 1897 .. | 1,657,522             | 2,672         | 19.3                                | 219                                                  | 15         | 1,137   | 80                       | 1,221             | 8.2                              | 0.6        | 42.5    | 3.0                      | 45.7              |

BELLARY District—December 1897.

| Years.  | Estimated population. | Total deaths. | Death-rate per mille of population. | Number of deaths under each of the principal causes. |            |         |                          |                   | Percentage of total deaths under |            |         |                          |                   |
|---------|-----------------------|---------------|-------------------------------------|------------------------------------------------------|------------|---------|--------------------------|-------------------|----------------------------------|------------|---------|--------------------------|-------------------|
|         |                       |               |                                     | Cholera.                                             | Small-pox. | Fevers. | Dysentery and diarrhoea. | All other causes. | Cholera.                         | Small-pox. | Fevers. | Dysentery and diarrhoea. | All other causes. |
| 1888 .. | 869,479               | 1,913         | 26.4                                | 308                                                  | 149        | 410     | 66                       | 980               | 16.1                             | 7.8        | 21.4    | 3.5                      | 51.2              |
| 1889 .. | 888,633               | 1,447         | 19.5                                | 2                                                    | 54         | 437     | 67                       | 887               | 0.2                              | 3.7        | 30.2    | 4.6                      | 61.3              |
| 1890 .. | 908,209               | 1,433         | 18.9                                | ..                                                   | 12         | 466     | 47                       | 908               | ..                               | 0.8        | 32.5    | 3.3                      | 63.4              |
| 1891 .. | 928,217               | 1,568         | 20.3                                | 10                                                   | 11         | 504     | 60                       | 983               | 0.6                              | 0.7        | 32.2    | 3.8                      | 62.7              |
| 1892 .. | 948,666               | 1,786         | 22.6                                | ..                                                   | 70         | 816     | 64                       | 836               | ..                               | 3.9        | 45.7    | 3.6                      | 46.8              |
| 1893 .. | 969,565               | 1,873         | 23.2                                | ..                                                   | 48         | 947     | 50                       | 828               | ..                               | 2.6        | 40.5    | 2.7                      | 44.2              |
| 1894 .. | 990,924               | 1,407         | 17.0                                | ..                                                   | 74         | 640     | 48                       | 645               | ..                               | 5.3        | 45.5    | 3.4                      | 45.8              |
| 1895 .. | 1,012,754             | 1,486         | 17.6                                | 18                                                   | 19         | 602     | 52                       | 795               | 1.2                              | 1.3        | 40.5    | 3.5                      | 53.5              |
| 1896 .. | 1,035,089             | 1,472         | 17.1                                | 13                                                   | 9          | 610     | 55                       | 785               | 0.9                              | 0.6        | 41.5    | 3.7                      | 53.8              |
| 1897 .. | 1,057,867             | 2,098         | 23.8                                | 65                                                   | 23         | 1,120   | 114                      | 776               | 3.1                              | 1.1        | 53.4    | 5.4                      | 37.0              |

## ANANTAPUR District—December 1897.

| Years.     | Estimated population. | Total deaths. | Death-rate per mille of population. | Number of deaths under each of the principal causes. |            |        |                          |                   | Percentage of total deaths under. |            |        |                          |                   |
|------------|-----------------------|---------------|-------------------------------------|------------------------------------------------------|------------|--------|--------------------------|-------------------|-----------------------------------|------------|--------|--------------------------|-------------------|
|            |                       |               |                                     | Cholera.                                             | Small-pox. | Fever. | Dysentery and diarrhoea. | All other causes. | Cholera.                          | Small-pox. | Fever. | Dysentery and diarrhoea. | All other causes. |
| 1888 .. .. | 684,372               | 1,216         | 21.3                                | 65                                                   | 42         | 167    | 33                       | 909               | 5.3                               | 3.5        | 13.7   | 2.7                      | 74.8              |
| 1889 .. .. | 695,425               | 1,196         | 20.6                                | 5                                                    | 122        | 173    | 18                       | 880               | 0.4                               | 10.2       | 14.5   | 1.3                      | 73.6              |
| 1890 .. .. | 706,657               | 1,311         | 22.3                                | ..                                                   | 45         | 323    | 29                       | 914               | ..                                | 3.4        | 24.7   | 2.2                      | 69.7              |
| 1891 .. .. | 718,070               | 934           | 15.6                                | 8                                                    | 5          | 171    | 21                       | 729               | 0.9                               | 0.5        | 18.3   | 2.2                      | 78.1              |
| 1892 .. .. | 729,667               | 1,133         | 18.6                                | ..                                                   | 8          | 233    | 16                       | 876               | ..                                | 0.7        | 20.6   | 1.4                      | 77.3              |
| 1893 .. .. | 741,456               | 1,146         | 18.5                                | ..                                                   | 8          | 203    | 11                       | 924               | ..                                | 0.7        | 17.7   | 1.0                      | 80.6              |
| 1894 .. .. | 753,426               | 913           | 14.5                                | 3                                                    | 13         | 158    | 18                       | 721               | 0.3                               | 1.4        | 17.3   | 2.0                      | 79.0              |
| 1895 .. .. | 765,594               | 1,180         | 18.5                                | ..                                                   | 69         | 209    | 14                       | 888               | ..                                | 5.8        | 17.7   | 1.2                      | 75.3              |
| 1896 .. .. | 777,959               | 1,027         | 15.8                                | 204                                                  | 116        | 10     | 677                      | 19.9              | 1.9                               | 11.3       | 1.0    | 65.9                     | ..                |
| 1897 .. .. | 790,523               | 1,550         | 23.5                                | 52                                                   | 65         | 396    | 67                       | 970               | 3.4                               | 4.2        | 25.5   | 4.3                      | 62.6              |

Resolution.—Mis. No. 1253, dated 21st February 1898.

Recorded pending receipt of the supplemental return promised in paragraph 2 of the letter.

(True Copy and Extract.)

(Signed) L. E. BUCKLEY,  
Famine Secretary.

To the Sanitary Commissioner, Madras.

READ—also the following letter from Surgeon-Lieut.-Col. W. G. KING, M.B., C.M., D.P.H., Sanitary Commissioner for Madras, to the Secretary to the Board of Revenue (R. S., L. R. and Agri.), dated Fort St. George, 24th February 1898, No. 442-S. :—

In continuation of this office letter, No. 328-S., dated 16th February 1898, I have the honour to forward herewith the special death-rate return for the famine-affected district of Ganjam for the month of December 1897. To enable an estimate to be formed as to the causation of mortality, I attach a statement giving the necessary details.

## ENCLOSURE.

SPECIAL death-rate return for the famine-affected district of Ganjam for December 1897.

| District.      | Calculated on the Census population.         | Calculated on the estimated population.      |                                                                                 |                                                                                            | Deaths from starvation. |
|----------------|----------------------------------------------|----------------------------------------------|---------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-------------------------|
|                | Death-rate of the month per mille per annum. | Death-rate of the month per mille per annum. | Average death-rate of the month per mille per annum during five previous years. | Average death-rate of the month per mille per annum during five previous non-famine years. |                         |
| Ganjám .. .. . | 52.4                                         | ..                                           | • 20.2                                                                          | • 18.0                                                                                     | ..                      |

\* The rates have been calculated on the Census population for which returns were received, as it has not been found possible to estimate the population correctly owing to the fluctuations in the populations for which returns were received from this district. Again the average rates of five years, instead of ten, are given, as the populations for which returns were received, are not available from 1892-95.

## GANJAM District—December 1897.

| Years.     | Population for which returns were received. | Total deaths. | Death-rate per mille of population. | Number of deaths under each of the principal causes. |            |        |                          |                   | Percentage of total deaths under |            |        |                          |                   |
|------------|---------------------------------------------|---------------|-------------------------------------|------------------------------------------------------|------------|--------|--------------------------|-------------------|----------------------------------|------------|--------|--------------------------|-------------------|
|            |                                             |               |                                     | Cholera.                                             | Small-pox. | Fever. | Dysentery and diarrhoea. | All other causes. | Cholera.                         | Small-pox. | Fever. | Dysentery and diarrhoea. | All other causes. |
| 1888 .. .. | 978,453                                     | 1,810         | 22.3                                | 84                                                   | 349        | 1,055  | 36                       | 287               | 4.6                              | 19.2       | 58.3   | 2.0                      | 15.9              |
| 1889 .. .. | 977,692                                     | 2,170         | 26.6                                | 23                                                   | 107        | 1,656  | 32                       | 352               | 1.1                              | 4.9        | 76.3   | 1.5                      | 16.2              |
| 1890 .. .. | 1,346,896                                   | 1,559         | 13.9                                | 24                                                   | 20         | 1,229  | 31                       | 255               | 1.5                              | 1.3        | 78.8   | 2.0                      | 16.4              |
| 1891 .. .. | 1,376,420                                   | 2,057         | 17.9                                | 87                                                   | 14         | 1,679  | 28                       | 349               | 4.2                              | 0.7        | 76.8   | 1.3                      | 17.0              |
| 1892 .. .. | 1,896,400                                   | 2,413         | 15.3                                | 30                                                   | 31         | 1,875  | 34                       | 443               | 1.2                              | 1.3        | 77.7   | 1.4                      | 17.4              |
| 1893 .. .. | 1,896,400                                   | 2,971         | 18.8                                | 72                                                   | 50         | 2,254  | 70                       | 525               | 2.4                              | 1.7        | 75.9   | 2.3                      | 17.7              |
| 1894 .. .. | 1,896,400                                   | 2,340         | 14.8                                | 18                                                   | 24         | 1,855  | 78                       | 365               | 0.8                              | 1.0        | 79.3   | 3.3                      | 15.6              |
| 1895 .. .. | 1,896,400                                   | 2,328         | 14.7                                | 165                                                  | 53         | 1,755  | 51                       | 304               | 7.1                              | 2.3        | 75.4   | 2.2                      | 13.0              |
| 1896 .. .. | 1,263,271                                   | 2,750         | 26.1                                | 209                                                  | 491        | 1,606  | 103                      | 341               | 1.7                              | 43.2       | 45.2   | 1.9                      | 8.0               |
| 1897 .. .. | 1,217,943                                   | 6,359         | 52.4                                | 90                                                   | 2,318      | 2,421  | 101                      | 429               | ..                               | ..         | ..     | ..                       | ..                |

RESOLUTION—No. 100, dated 2nd March 1898.

Recorded with the remark, that the death-rates in the affected districts, excepting Ganjam and Vizagapatam, show a fall as compared with the previous month. Except in Kurnool and Cuddapah, however, the rates are still above the normal.

2. In Ganjam, the increase over the figures of November is 12.4 per mille, and in Vizagapatam 5 per mille. The increase in these two cases, is believed to be chiefly due to the prevalence of small-pox in the former, and fever in the latter, district.

(True Copies and Extract.)

Famine Secretary.

To the Secretary to Government, Revenue Department.

" Sanitary Commissioner.  
" Collector of Ganjam.  
" Vizagapatam.  
" Godavari.  
" Kurnool.  
" Bellary.  
" Anantapur.  
" Cuddapah.  
" Nellore.

Copy of the Secretary's note on  
the docket of B.P.  $\frac{100}{2.3.98}$  Ltt (No 2046)

Did we not issue  
orders to confine future statements  
to districts for which budget  
provision was made? "Famine"  
was closed, eg. in Vizagapatnam  
in Nov. Was it not?

(Initialed) C.S. 7  
25.3.98.

Secretary.

No, Sir. It was in the  
case of the return of jail  
statistics that orders were is-  
sued to ~~restrictions~~ confine  
it to the districts for which  
budget provision was made—  
vide L.O. 134 of 8.3.98. But  
the 'special death-rate returns'  
are to be submitted to the  
Govt of India by the Sanitary  
Commissioner direct and are  
to be continued "till further  
orders" in the case of the  
districts late affected by  
famine. The dates on which  
relief operations were closed  
in each of those districts  
are ~~not~~ entered in the

G6  $\frac{190}{1-11-98}$

vide C.D. telegram in L.O.  $\frac{161}{11.1.98}$  B

Office note under G.O. <sup>84</sup> 7.1.98.  
2. The Sanitary Council  
has been requested to include  
Nellore also in the return for  
December and succeeding months.

Para 2 of G.O. <sup>161</sup> 11.1.98. B

WLL  
28/3/98  
31/3/8

# Government {1898} of Madras. REVENUE.

Recd.

Enclosures

Regd.

1898.

Spare copies

G.O., No. 190, 1st April 1898.

APRIL.

## Special Death-rate Returns.

Recording Board's Proceedings recording with remarks — for the affected districts  
received from the Sanitary Commissioner for the month of December 1897.

## GOVERNMENT OF MADRAS.

## REVENUE DEPARTMENT.

Read—the following Proceedings of the Board of Revenue (Revenue Settlement, Land Records and Agriculture), No. 100, dated 2nd March 1898:—

Read—again the following Proceedings of the Board of Revenue (R.S., L.R. and Agri.), Mis. No. 1253, dated 21st February 1898:—

Read—the following letter from Surgeon-Lieut.-Col. W. G. KING, M.B., C.M., D.P.H., Sanitary Commissioner for Madras, to the Secretary to the Board of Revenue (R.S., L.R. and Agri.), dated Fort St. George, 16th February 1898, No. 328-S:—

With reference to the Proceedings of the Board of Revenue, Mis. No. 2402, dated 30th March 1897, I have the honour to forward herewith the death-rates for the famine-affected districts for the month of December 1897, as compared with the average of ten previous non-famine years. To enable an estimate to be formed as to the causation of mortality, I attach statements giving the necessary details in the case of those districts which have shown a large increase over the average.

2. The return from Ganjām has not yet been received in this office. It has been wired for; on receipt thereof a supplemental statement will be forwarded.

3. The rates with the exception of those of Ganjām have been communicated to the Government of India.

## ENCLOSURES.

## SPECIAL death-rate return for the famine-affected districts for December 1897.

| Districts.           | Calculated on the Census population.         | Calculated on the estimated population.      |                                                                                |                                                                                           | Deaths from starvation. |
|----------------------|----------------------------------------------|----------------------------------------------|--------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------|
|                      | Death-rate of the month per mille per annum. | Death-rate of the month per mille per annum. | Average death-rate of the month per mille per annum during ten previous years. | Average death-rate of the month per mille per annum during ten previous non-famine years. |                         |
| Vizagapatam .. .. .  | 38.6                                         | ..                                           | * 20.1                                                                         | * 20.2                                                                                    | ..                      |
| Bhadrachalam .. .. . | 32.6                                         | 29.0                                         | 43.8                                                                           | 43.9                                                                                      | ..                      |
| Nellore .. .. .      | 21.9                                         | 19.3                                         | 16.5                                                                           | 16.1                                                                                      | ..                      |
| Kurnool .. .. .      | 25.8                                         | 22.7                                         | 25.7                                                                           | 25.0                                                                                      | ..                      |
| Cuddapah .. .. .     | 26.7                                         | 24.5                                         | 25.3                                                                           | 24.4                                                                                      | ..                      |
| Bellary .. .. .      | 28.2                                         | 23.8                                         | 20.4                                                                           | 20.0                                                                                      | ..                      |
| Anantapur .. .. .    | 25.6                                         | 23.5                                         | 19.1                                                                           | 19.5                                                                                      | ..                      |

\* The rates have been calculated on the Census population for which returns were received, as it has not been found possible to estimate the population correctly owing to the fluctuations in the populations for which returns were received from this district. Again the average rates of five years, instead of ten, are given, as the populations for which returns were received are not available from 1892-95.

## VIZAGAPATAM District—December 1897.

| Years.       | Population for which return were received. | Total deaths. | Death-rate per mille of population. | Number of deaths under each of the principal causes. |            |         |                          |                   | Percentage of total deaths under |            |         |                          |                   |
|--------------|--------------------------------------------|---------------|-------------------------------------|------------------------------------------------------|------------|---------|--------------------------|-------------------|----------------------------------|------------|---------|--------------------------|-------------------|
|              |                                            |               |                                     | Cholera.                                             | Small-pox. | Fevers. | Dysentery and diarrhoea. | All other causes. | Cholera.                         | Small-pox. | Fevers. | Dysentery and diarrhoea. | All other causes. |
| 1888 .. .. . | 1,232,631                                  | 1,710         | 16.6                                | 1                                                    | 29         | 1,460   | 19                       | 201               | 0.1                              | 1.7        | 85.4    | 1.1                      | 11.7              |
| 1889 .. .. . | 1,390,887                                  | 3,006         | 25.9                                | 3                                                    | 61         | 2,700   | 33                       | 209               | 0.1                              | 2.0        | 89.8    | 1.1                      | 7.0               |
| 1890 .. .. . | 1,493,909                                  | 2,329         | 18.7                                | ..                                                   | 28         | 2,072   | 26                       | 203               | ..                               | 1.2        | 89.0    | 1.1                      | 8.7               |
| 1891 .. .. . | 1,455,856                                  | 2,584         | 21.3                                | 1                                                    | 51         | 2,161   | 46                       | 325               | 0.04                             | 2.0        | 83.5    | 1.8                      | 12.6              |
| 1892 .. .. . | 1,421,195                                  | 3,003         | 18.6                                | ..                                                   | 107        | 2,535   | 74                       | 287               | ..                               | 3.6        | 84.4    | 2.5                      | 9.5               |
| 1893 .. .. . | 1,942,195                                  | 3,466         | 21.4                                | 39                                                   | 41         | 3,012   | 68                       | 306               | 1.1                              | 1.2        | 86.9    | 2.0                      | 8.8               |
| 1894 .. .. . | 1,942,195                                  | 3,366         | 20.8                                | ..                                                   | 38         | 2,951   | 63                       | 314               | ..                               | 1.1        | 87.7    | 1.9                      | 9.3               |
| 1895 .. .. . | 1,572,010                                  | 3,413         | 26.1                                | 25                                                   | 3          | 3,035   | 76                       | 274               | 0.8                              | 0.1        | 88.9    | 2.2                      | 8.0               |
| 1896 .. .. . | 1,600,371                                  | 2,697         | 20.2                                | 18                                                   | 117        | 2,199   | 64                       | 299               | 0.7                              | 4.3        | 81.5    | 2.4                      | 11.1              |
| 1897 .. .. . | 1,480,618                                  | 4,761         | 38.6                                | 80                                                   | 69         | 4,194   | 83                       | 335               | 1.7                              | 1.4        | 88.1    | 1.8                      | 7.0               |

## NELLORE District—December 1897.

| Years.       | Estimated population. | Total deaths. | Death-rate per mille of population. | Number of deaths under each of the principal causes. |            |         |                          |                   | Percentage of total deaths under |            |         |                          |                   |
|--------------|-----------------------|---------------|-------------------------------------|------------------------------------------------------|------------|---------|--------------------------|-------------------|----------------------------------|------------|---------|--------------------------|-------------------|
|              |                       |               |                                     | Cholera.                                             | Small-pox. | Fevers. | Dysentery and diarrhoea. | All other causes. | Cholera.                         | Small-pox. | Fevers. | Dysentery and diarrhoea. | All other causes. |
| 1888 .. .. . | 1,407,156             | 1,420         | 12.1                                | 3                                                    | 12         | 792     | 33                       | 580               | 0.2                              | 0.8        | 55.8    | 2.3                      | 40.9              |
| 1889 .. .. . | 1,432,992             | 1,745         | 14.6                                | ..                                                   | 48         | 852     | 50                       | 795               | ..                               | 2.8        | 48.8    | 2.9                      | 45.5              |
| 1890 .. .. . | 1,459,304             | 1,892         | 15.8                                | 12                                                   | 5          | 1,061   | 41                       | 773               | 0.6                              | 0.3        | 56.1    | 2.2                      | 40.8              |
| 1891 .. .. . | 1,488,099             | 2,361         | 19.1                                | 174                                                  | 98         | 1,039   | 58                       | 992               | 7.4                              | 4.1        | 44.0    | 2.5                      | 42.0              |
| 1892 .. .. . | 1,513,386             | 2,432         | 19.3                                | ..                                                   | 24         | 1,277   | 56                       | 1,075             | ..                               | 1.0        | 52.5    | 2.3                      | 44.2              |
| 1893 .. .. . | 1,541,174             | 2,064         | 16.1                                | ..                                                   | 6          | 1,094   | 43                       | 921               | ..                               | 0.3        | 53.0    | 2.1                      | 44.6              |
| 1894 .. .. . | 1,569,472             | 2,175         | 16.6                                | 7                                                    | 8          | 1,166   | 43                       | 951               | 0.3                              | 0.4        | 53.6    | 2.0                      | 43.7              |
| 1895 .. .. . | 1,598,289             | 2,147         | 16.1                                | ..                                                   | 8          | 1,134   | 36                       | 969               | ..                               | 0.4        | 52.8    | 1.7                      | 45.1              |
| 1896 .. .. . | 1,627,637             | 2,550         | 18.8                                | 13                                                   | 6          | 1,294   | 60                       | 1,177             | 0.5                              | 0.2        | 50.7    | 2.4                      | 46.2              |
| 1897 .. .. . | 1,657,522             | 2,672         | 19.3                                | 219                                                  | 15         | 1,137   | 80                       | 1,221             | 8.2                              | 0.6        | 42.5    | 3.0                      | 45.7              |

## BELLARY District—December 1897.

| Years.       | Estimated population. | Total deaths. | Death-rate per mille of population. | Number of deaths under each of the principal causes. |            |         |                          |                   | Percentage of total deaths under |            |         |                          |                   |
|--------------|-----------------------|---------------|-------------------------------------|------------------------------------------------------|------------|---------|--------------------------|-------------------|----------------------------------|------------|---------|--------------------------|-------------------|
|              |                       |               |                                     | Cholera.                                             | Small-pox. | Fevers. | Dysentery and diarrhoea. | All other causes. | Cholera.                         | Small-pox. | Fevers. | Dysentery and diarrhoea. | All other causes. |
| 1888 .. .. . | 869,479               | 1,913         | 26.4                                | 308                                                  | 149        | 410     | 66                       | 980               | 16.1                             | 7.8        | 21.4    | 3.5                      | 51.2              |
| 1889 .. .. . | 888,633               | 1,447         | 19.5                                | 2                                                    | 54         | 437     | 67                       | 887               | 0.2                              | 3.7        | 30.2    | 4.6                      | 61.3              |
| 1890 .. .. . | 908,209               | 1,433         | 18.9                                | ..                                                   | 12         | 466     | 47                       | 908               | ..                               | 0.8        | 32.5    | 3.8                      | 63.4              |
| 1891 .. .. . | 928,217               | 1,568         | 20.3                                | 10                                                   | 11         | 504     | 60                       | 983               | 0.6                              | 0.7        | 32.2    | 3.8                      | 62.7              |
| 1892 .. .. . | 948,666               | 1,786         | 22.6                                | ..                                                   | 70         | 816     | 64                       | 836               | ..                               | 3.9        | 45.7    | 3.6                      | 46.8              |
| 1893 .. .. . | 969,565               | 1,873         | 23.2                                | ..                                                   | 48         | 947     | 50                       | 828               | ..                               | 2.6        | 50.5    | 2.7                      | 44.2              |
| 1894 .. .. . | 990,924               | 1,407         | 17.0                                | ..                                                   | 74         | 640     | 48                       | 645               | ..                               | 5.3        | 45.5    | 3.4                      | 45.8              |
| 1895 .. .. . | 1,012,754             | 1,486         | 17.6                                | 18                                                   | 19         | 601     | 52                       | 795               | 1.2                              | 1.3        | 40.5    | 3.5                      | 53.5              |
| 1896 .. .. . | 1,035,089             | 1,472         | 17.1                                | 13                                                   | 9          | 610     | 55                       | 785               | 0.9                              | 0.6        | 41.6    | 3.7                      | 53.3              |
| 1897 .. .. . | 1,057,867             | 2,098         | 23.8                                | 65                                                   | 22         | 1,120   | 114                      | 776               | 3.1                              | 1.1        | 53.4    | 5.4                      | 37.0              |

No. 190, REVENUE, 1st APRIL 1898.

## ANANTAPUR District—December 1897.

| Years.     | Estimated population. | Total deaths. | Death-rate per mille of population. | Number of deaths under each of the principal causes. |            |        |                          |                   | Percentage of total deaths under. |            |        |                          |                   |
|------------|-----------------------|---------------|-------------------------------------|------------------------------------------------------|------------|--------|--------------------------|-------------------|-----------------------------------|------------|--------|--------------------------|-------------------|
|            |                       |               |                                     | Cholera.                                             | Small-pox. | Fever. | Dysentery and diarrhoea. | All other causes. | Cholera.                          | Small-pox. | Fever. | Dysentery and diarrhoea. | All other causes. |
| 1888 .. .. | 684,372               | 1,216         | 21.3                                | 65                                                   | 42         | 167    | 33                       | 909               | 5.3                               | 3.5        | 13.7   | 2.7                      | 74.8              |
| 1889 .. .. | 695,425               | 1,196         | 20.6                                | 5                                                    | 122        | 173    | 16                       | 880               | 0.4                               | 10.2       | 14.5   | 1.3                      | 73.6              |
| 1890 .. .. | 706,657               | 1,311         | 22.3                                | 5                                                    | 45         | 323    | 29                       | 914               | 0.4                               | 3.4        | 24.7   | 2.2                      | 69.7              |
| 1891 .. .. | 718,070               | 934           | 15.6                                | 8                                                    | 5          | 171    | 21                       | 729               | 0.9                               | 0.5        | 18.3   | 2.2                      | 78.1              |
| 1892 .. .. | 729,667               | 1,133         | 18.6                                | 8                                                    | 8          | 203    | 11                       | 924               | 0.7                               | 0.7        | 20.6   | 1.4                      | 77.3              |
| 1893 .. .. | 741,456               | 1,146         | 18.5                                | 8                                                    | 13         | 158    | 18                       | 924               | 0.7                               | 1.4        | 17.3   | 2.0                      | 79.0              |
| 1894 .. .. | 753,426               | 913           | 14.5                                | 3                                                    | 69         | 209    | 14                       | 888               | 0.3                               | 5.8        | 17.7   | 1.2                      | 75.3              |
| 1895 .. .. | 765,594               | 1,180         | 18.5                                | 204                                                  | 20         | 116    | 14                       | 888               | 19.9                              | 1.9        | 11.3   | 1.0                      | 65.9              |
| 1896 .. .. | 777,969               | 1,027         | 15.8                                | 52                                                   | 65         | 396    | 67                       | 970               | 3.4                               | 4.2        | 25.6   | 4.3                      | 62.6              |
| 1897 .. .. | 790,523               | 1,550         | 23.6                                |                                                      |            |        |                          |                   |                                   |            |        |                          |                   |

Resolution—Mis. No. 1253, dated 21st February 1898.

Recorded pending receipt of the supplemental return promised in paragraph 2 of the letter.

(True Copy and Extract.)

(Signed) L. E. BUCKLEY,  
Famine Secretary.

To the Sanitary Commissioner, Madras.

Read—also the following letter from Surgeon-Lieut.-Col. W. G. KING, M.B., C.M., D.P.H., Sanitary Commissioner for Madras, to the Secretary to the Board of Revenue (R.S., L.R. and Agri.), dated Fort St. George, 24th February 1898, No. 442-S.:

In continuation of this office letter, No. 328-S., dated 16th February 1898, I have the honour to forward herewith the special death-rate return for the famine-affected district of Ganjam for the month of December 1897. To enable an estimate to be formed as to the causation of mortality, I attach a statement giving the necessary details.

## ENCLOSURES.

SPECIAL death-rate return for the famine-affected district of Ganjam for December 1897.

| District.    | Calculated on the Census population.         | Calculated on the estimated population.      |                                                                                 |                                                                                            | Deaths from starvation. |
|--------------|----------------------------------------------|----------------------------------------------|---------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-------------------------|
|              | Death-rate of the month per mille per annum. | Death-rate of the month per mille per annum. | Average death-rate of the month per mille per annum during five previous years. | Average death-rate of the month per mille per annum during five previous non-famine years. |                         |
| Ganjam .. .. | 52.4                                         | ..                                           | • 20.2                                                                          | • 18.0                                                                                     | ..                      |

\* The rates have been calculated on the Census population for which returns were received, as it has not been found possible to estimate the population correctly owing to the fluctuations in the populations for which returns were received from this district. Again the average rates of five years, instead of ten, are given, as the populations for which returns were received, are not available from 1892-95.

No. 190, REVENUE, 1st APRIL 1898.

## GANJAM District—December 1897.

| Years.     | Population for which returns were received. | Total deaths. | Death-rate per mille of population. | Number of deaths under each of the principal causes. |            |        |                          |                   | Percentage of total deaths under. |            |        |                          |                   |
|------------|---------------------------------------------|---------------|-------------------------------------|------------------------------------------------------|------------|--------|--------------------------|-------------------|-----------------------------------|------------|--------|--------------------------|-------------------|
|            |                                             |               |                                     | Cholera.                                             | Small-pox. | Fever. | Dysentery and diarrhoea. | All other causes. | Cholera.                          | Small-pox. | Fever. | Dysentery and diarrhoea. | All other causes. |
| 1888 .. .. | 973,453                                     | 1,810         | 22.8                                | 84                                                   | 348        | 1,055  | 36                       | 287               | 4.6                               | 19.2       | 58.3   | 2.0                      | 15.9              |
| 1889 .. .. | 977,692                                     | 2,170         | 26.6                                | 23                                                   | 107        | 1,656  | 32                       | 352               | 1.1                               | 4.9        | 76.3   | 1.5                      | 16.2              |
| 1890 .. .. | 1,346,896                                   | 1,559         | 13.9                                | 24                                                   | 20         | 1,229  | 31                       | 255               | 1.6                               | 1.3        | 78.8   | 2.0                      | 16.4              |
| 1891 .. .. | 1,376,420                                   | 2,057         | 17.9                                | 87                                                   | 14         | 1,579  | 28                       | 349               | 4.2                               | 0.7        | 76.8   | 1.3                      | 17.0              |
| 1892 .. .. | 1,896,400                                   | 2,413         | 15.3                                | 30                                                   | 31         | 1,875  | 34                       | 443               | 1.2                               | 1.3        | 77.7   | 1.4                      | 18.4              |
| 1893 .. .. | 1,896,400                                   | 2,971         | 18.8                                | 72                                                   | 50         | 2,254  | 70                       | 525               | 2.4                               | 1.7        | 75.9   | 2.3                      | 17.7              |
| 1894 .. .. | 1,896,400                                   | 2,340         | 14.8                                | 18                                                   | 24         | 1,855  | 78                       | 365               | 0.8                               | 1.0        | 79.3   | 3.3                      | 15.6              |
| 1895 .. .. | 1,896,400                                   | 2,328         | 14.7                                | 165                                                  | 53         | 1,755  | 61                       | 304               | 7.6                               | 2.3        | 75.4   | 3.7                      | 13.0              |
| 1896 .. .. | 1,263,271                                   | 2,750         | 26.1                                | 209                                                  | 491        | 1,606  | 103                      | 341               | 1.7                               | 43.2       | 45.2   | 1.9                      | 8.0               |
| 1897 .. .. | 1,227,943                                   | 5,359         | 52.4                                | 90                                                   | 2,318      | 2,421  | 101                      | 429               |                                   |            |        |                          |                   |

Resolution—No. 100, dated 2nd March 1898.

Recorded with the remark, that the death-rates in the affected districts, excepting Ganjam and Vizagapatam, show a fall as compared with the previous month. Except in Kurnool and Cuddapah, however, the rates are still above the normal.

2. In Ganjam, the increase over the figures of November is 12.4 per mille, and in Vizagapatam 5 per mille. The increase in these two cases, is believed to be chiefly due to the prevalence of small-pox in the former, and fever in the latter, district.

(True Copies and Extract.)

(Signed) L. E. BUCKLEY,  
Famine Secretary.

To the Secretary to Government, Revenue Department.  
" Sanitary Commissioner.  
" Collector of Ganjam.  
" Vizagapatam.  
" Gódvári.  
" Kurnool.  
" Bellary.  
" Anantapur.  
" Cuddapah.  
" Nellore.

ORDER—No. 190, Revenue, dated 1st April 1898.

Miscellaneous.

Recorded.

(True Extract.)

(Signed) G. S. FORBES,  
Ag. Secretary to Government.

To the Board of Revenue (Revenue Settlement).  
Copy to the Local and Municipal Department.

Exd. A. F. Eccleston.  
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182

Account No.

Enclosures to G. No.

ORDER OF GOVERNMENT

LETTER OF GOVERNMENT

STATEMENT WITH BUDGET

NOT FILLED UP, BEING Awaiting FOR DECISION  
IN ORIGINAL.

RECEIVED  
182

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One complete with 1/2 sheet.