

Recd at
5/8

ORDINARY, MS.

<i>Public</i> DEPARTMENT.
G.O., DATED 3-2-92
No. 535

When given for copying.

[Despatch Abstract.]

Calculation of
the normal debt
rates of all the la-
-bours of this Me-
-sidney—

READ AGAIN ORDER OF GOVERNMENT, DATED
18, No. , MISCELLANEOUS.

ENCLOSURES.

CURRENT No.

STATEMENT WITH DITTO.

ORDER OF GOVERNMENT.

LETTER OF GOVERNMENT.

STATEMENT WITH DITTO.

PAPERS NOT FILED UP, BEING MEANT FOR DESPATCH
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FURTHER PAPER, No. 2353/92. OF 18

2465/92 - 661

219-52

REVENUE DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following letter from

the Sanitary Commissioner for Madras, dated
5th July 1892 No. 2006.

With reference to G.O. dated 17th
June 1892, No. 620-Revenue, I have the honor to
state for your information that it will take some
time for my office to work out the normal rates
of mortality for each month for the districts and
talukhs referred to according to the manner in
which it is done in England, the reason being
that the existing establishment of my office is,
at present, undermanned and so it is with
difficulty that the current work of the office
can be kept up to date. If my office has to
do the work in question, it will take some time
before it can be completed, and so I would
suggest that, if the figures are required within
a few months, 2 or 3 clerks of your office be deputed
to assist my office in getting through this work.

2. I would here remark that in view
of the difficulty experienced in getting through
the work owing to paucity of hands, I applied
recently to Government for an increase of my
office establishment.

3. With regard to para 2 of the Mem.

Handwritten signature

- naudum embodied in the P.O. quoted above, I would respectfully point out that although in England it is assumed (as it has been shown) that the population increases from year to year and from month to month by a uniform geometrical progression, yet in India we have no data to go on and there is no proof that such is the case owing to the very defective state of registration in the rural tracts. Thus, in India when severe epidemics of Cholera occur or when there is any distress prevailing owing to failure of rains &c the effect on the population is very marked, and so the population in this country does not then increase year by year or month by month in a uniform geometrical progression. For example, take the months of January, February and March 1892; the population did not increase during these months as the number of births registered were 22,159 fewer than the deaths registered, the births recorded for this quarter being 190,356 while the deaths were 212,515. If, therefore, an increment had been added in calculating the ratios for these months, the rates would have been fallacious. In 1884, 1889 and 1891 severe epidemics of Cholera occurred and they must have had a marked effect on the increase of the population during these years. Further, take the last three censuses, which are the only reliable ones we have to

to go on - that for 1881 showed a decrease in the population when compared with that for 1871, while that for 1891 showed an increase over the population for 1881.

—
Order thereon 27th July 1892. No. 3392.

In para 2 of the letter read above the Sanitary Commissioner adduces certain arguments to show that the population of India does not increase year by year or month by month in a uniform geometrical progression. But these arguments are not of much force as regards the calculation of the normal death-rate based on the average mortality of the five years ending 1890, (which was what the Sanitary Commissioner was directed in P.O. No. 620 dated 14th June 1892, to furnish) because the Census of 1891 has given the exact increase of population as compared with that of 1881 and it is known that there was a large increase during the decade in every district. It is true that the population was increasing more rapidly during the last 5 years of the decade than during the first 5 years; hence the adoption of a uniform geometrical progression will not give absolutely accurate results. but in the opinion of His Excellency the Governor in Council the method is sufficiently accurate for all practical purposes. The alternative method of adding the

excess of births over deaths ~~by~~ subtracting
the excess of deaths over births' month by month
would perhaps be preferable if the registra-
tion of vital statistics were more accurate,
but in some districts registration is so de-
fective that this method cannot be
relied upon. His Excellency the Governor
in Council therefore resolves to adhere
to the instructions already issued. The ratios
ordered in the G.O. quoted above should be
worked out not only for the affected tables
but also for ^{all} other tables in the Presidency,
for general use.

2. As regards the establishment
required for working out the ratios, the ne-
cessary orders will issue in the Public De-
partment. No clerks can be spared
for the purpose from the Revenue Depart-
ment of the Government office.

True Extracts

Plutyr
Secretary to Govt.

To

The Secretary Commissioner
Public Department.

with notes in original to be returned.

Govt. of Madras
REVENUE

To

The Public Dept.

Dated

Recd. 30. July 1892
Rgd. 1st Aug.

Mis. G.O.; 27th July 1892, No. 3392.

SUBJECT.

Stating that no clerks
can be spared from the
Rev. Dept. if the Govt. office
to assist in working out fresh
the normal death rates for
certain districts on the method ex-
plained in G.O. No. 620 of 17th 1891.

4/7/92 Ld 468-110
29/6/92 Ld 446-110

310-110-535

Order

The Sanitary Comr.
will lose no time in
submitting proposals
for the entertainment
of the additional clerical
staff of the establishment
required. ~~Sanitary Comr.~~
~~Sanitary Comr.~~ to admit
of the calculations for
all the Taluqs of the
Presy being completed
within three months.

from orders /

2nd Aug.

2/8

To
The Sanitary Commissioner
" Rev. Dept. 2
with original, etc. 2/8/92

WITH ORDER