M.R.O. 1—77,006—8-6-37.

M.R.O. 1—77,006—8-6-37.

(1) Number of pages 8

(2) Date of repair 27. 8. 38

(3) Initials of the Referencer

MADRAS RECORD OFFICE.

Government of Madras.

Revenue DEPARTMENT.

G.O. No.	////	Press / ~~Mis.~~
Dated	21-12-1886.	

Not to be folded or roughly handled

21st December 1886, No. 1111, Revenue.

GOVERNMENT OF MADRAS.

REVENUE DEPARTMENT.

Read—again the following G.O., dated 2nd December 1886, Mis. No. 7250, Revenue:—

Read—the following letter from Messrs. ARBUTHNOT and Co., to the Secretary to Government, Revenue Department, dated Madras, 24th November 1886:—

We have the honor to acknowledge with thanks receipt of the Director's very interesting report on the Government Cinchona Plantations for 1885-86, furnished us in accordance with G.O., dated 20th November 1886, No. 7034.

2. We observe that the experiments in manuring cinchonas in order to ascertain the effect upon the alkaloids were on a very small scale, and that the Government, in its order of 15th instant, express the desire that investigations should be continued with trees of other varieties.

3. We venture to suggest that experiments should be conducted upon a far larger number of trees, and if a selection of any particular varieties is to be made for the purpose that it shall include *C. Succirubra* and *C. Robusta*. We propose ourselves to experiment upon *C. Ledgeriana*, both with cattle and other manures.

4. It occurs to us that since the date of the Director's report further experiments in manuring may have been conducted and the results ascertained, and if so, we should be very glad to receive particulars. We may mention that mainly influenced by the advices of the Director's letter of 9th November 1885 to the Collector of Malabar, we have abstained from manuring our cinchonas (though recommended by planters to do so), as according to that letter experiments made up to that date had shown that the yield of alkaloids per pound of bark was *not* increased by manuring.

5. We therefore have the honor to request that Government will obtain from the Director or the Quinologist, as the case may be, and communicate to us the expression of his opinion whether, taking into consideration the views held in November of last year, and the result of the experiments conducted in the past season, he would recommend manuring of cinchonas from a commercial point of view, and if so, whether cattle or artificial manure would be the more beneficial. If he be of opinion that the latter is the more desirable, we should be glad to know his views as to what components would be the best. Possibly the investigations of the Government Quinologist into the inorganic constituents of cinchona bark may have arrived at a sufficiently forward stage to indicate the class of manure that would have the greatest effect in increasing the quantity of alkaloids.

Order—dated 2nd December 1886, Mis. No. 7250, Revenue.

Forwarded to the Government Botanist and Director of Cinchona Plantations for remarks.

(True Extract.)

(Signed) J. F. PRICE,
Ag. Secretary to Government.

To the Government Botanist, with letter in original to be returned.
Copy to Messrs. Arbuthnot and Co.

Read—the following letter from M. A. LAWSON, Esq., Government Botanist and Director of Cinchona Plantations, Nilgiris, to the Secretary to Government, Revenue Department, dated Ootacamund, 13th December 1886, No. 92 :—

In returning the letter from Messrs Arbuthnot and Co. of the 24th November 1886, which was sent to me for my remarks under G.O., No. 7250, of the 2nd December 1886, I have the honor to inform you that I am at the present time carrying on extended experiments as to the value of different kinds of manure, and that the first harvesting of the manured plots will take place next April, after which the bark will be analysed and any information will then be communicated to you.

2. Mr. Hooper's report on the inorganic constituents of cinchona bark, printed in G.O., No. 1032, of the 24th November 1886, is the first of a series of analyses which he is engaged upon, the result of which will be communicated to Government in due course.

Order—dated 21st December 1886, No. 1111, Revenue.

Miscellaneous.

Communicated to Messrs. Arbuthnot and Co. in reference to their letter, dated 24th ultimo.

(True Extract.)

(Signed) J. F. PRICE,
Ag. Secretary to Government.

To the Director of Government Cinchona Plantations.
" Messrs. Arbuthnot and Co.
" the Board of Revenue.
" the Director of Revenue Settlement and Agriculture.
" the Honorary Secretary, Agri-Horticultural Society.
" the Chamber of Commerce.
" the Editors' Table.

Exd. W. H. French.

Original

Govt. of {1886} Madras.

REVENUE.

2.c. No 4375/86

Issued

Recd. *Encl.*

G.O., 21st December 1886, No. 1111.

DECEMBER.

Manuring Cinchonas.

Communicating to Messrs. Arbuthnot and Co. letter from the Government Botanist and Director of Cinchona Plantations stating that extended experiments are being carried on as to the value of different kinds of manure and that the result will be reported after the bark is harvested and analysed in April next.

No. 92

From

Director's Office

Ootacamund 13th December 1886.

To

M. J. Narayan Esqr.

Govt. Botanist and Director of

Cinchona Plantations

Nilgiris

5

Copy

To

The Secretary to Government

Revenue Department

Fort St George.

In returning the letter from Messrs. Arbuthnot and Co of the 24th November 1886, which was sent to me for my remarks, under G. O No. 7250 of the 2nd December 1886, I have the honor to inform you, that I am at the present time, carrying on extended Experiments, as to the value of different kinds of manure, and that the first harvesting of the manured plots will take place next April, after which, the bark will be analysed and any information will then be communicated to you.

2. Mr. Hooper's report on the Inorganic Constituents

Constituents of Cinchona bark, printed in G. O. – No. 1032 of the 24th November 1886, is the first of a series of analyses which he is engaged upon, the result of which, will be ~~duly~~ communicated to Government in due course.

I have the honor, to be

Sir

Your Most obedt Servant

M. A. Lawson

Govt Botanist and Director

Mem

2-12-86 No 7250
20-11-86 No 1032

Revenue Deptt.
No. 10257.

Revenue Cinchona
1886.

To
The Govt. Botanist and Director of
Cinchona Plantations
Nilgiris

&
The Secretary to Government
Revenue Department
Fort St George.

No. 92

Dated 13th
Recd. 13th } December 1886.
Read 15th

Enclosure. One.

Subject

Value of different kinds of Manure.

Reporting that the result of experiments of — will be communicated after the bark is harvested and analysed in April next.

Y

Ans
Reference letter No 7250 2.12.86

GO No IIII dated 20/12
" 21.12.86
Communicated to Inspr
Calenthurs &c in reference
to their letter dated
24th ult.
15.12.

No 4 suggested that
Rent may be charged
upon S. Tables.
15/12 E.

4 C 4 C C 18/12
20/12

Director of Govt Cin. Plants.
2 Inspectors at Nilgiris &c
1 Board of Revenue
25 Dist of Rs & a.
3 Hony Secs Agri Hort Societies
3 Chambers of Commerce
18 E. J.

100/8

SEO-M. 1.87.

C. 18-12-86.
R. 21-12-86.