M.R.O.—77,036—3-8-31.

(1) Number of pages 6

(2) Date of repair 16 6 38

(3) Initials of the Referencer

MADRAS RECORD OFFICE.

Government of Madras.

Revenue DEPARTMENT.

G.O. No. 1742 Press / Mis.

Dated 4 . 10 . 1871.

Not to be folded or roughly handled

No. 52. Read the following letter from the Commissioner of the Nilgiris, to the Secretary to Government, Revenue Department, Fort St. George, dated Ootacamund, 30th September 1871, No. 72:—

REFERRING to Mr. McIvor's letter of 26th June 1871. No. 48, in Proceedings [illegible] average less than we have already procured. There can, however, be no harm in increasing the number of trees to be mossed to 25,000 instead of 20,000. I therefore annex an amended estimate, in which I have also included the cost of applying wire to the trees now under moss, as this will be an economy, and also secure the bark, which we send to England, being of more uniform quality:—

	Rs.	A.	P.
Cost of mossing 25,000 trees, at 6 Pies each	781	4	0
Cost of wire, at 10 Pies per tree	1,302	1	4
Do., at 0-1-2 ,, for 1,000 seven-year old trees now under moss at Neddivuttum	72	14	8
Do., at 10 Pies per tree, for 3,000 trees under moss at Neddivuttum and 2,000 trees under moss at Dodabetta	260	6	8
	2,416	10	8
Contingencies at 5 per cent...	123	5	4
Total...	2,540	0	0

No. 53. ORDER THEREON, 4th October 1871, No. 1,742.

Miscellaneous.

THE proposed expenditure of Rs. 2,540 out of the Budget grant is sanctioned.

(True Extract.)

(Signed) W. HUDLESTON,
Secretary to Government.

To the Commissioner of the Nilgiris.
,, the Accountant-General.

Exd. F. R. Bantleman.

Proceedings of the Madras Government, Revenue Department, 4th October 1871.

ENCLOSURE No. 2.

From the same Officer, dated Ootacamund, 25th September 1871, No. 86.

WITH reference to your letter No. 47 of the 21st instant, I believe that 20,000 trees will, under any circumstances, be sufficient to produce annually 800 lbs. of amorphous quinine, even if the yield of alkaloids should fall as low as six per cent.

2. If wire is used I do not see how the yield of alkaloids can be

of Government, Revenue Department, 13th July 1871, No. 151, you wi... that it was estimated that 60,000 Cinchona trees would have to be mossed to produce 20,000 lbs. of dry bark.

I now forward two letters from Mr. McIvor, dated the 20th and 25th instant, from which it appears that 20,000 or 25,000 trees will suffice, and he desires the sanction of Government to expend 2,540 Rs. in mossing, and to use wire instead of fibre to bind the moss to the stem as hitherto.

2. The use of wire, I think, will be economy in the long run.

The expenditure must be met out of the Cinchona Budget for the year.

ENCLOSURE No. 1.

From W. G. McIVOR, Esq., Superintendent, Government Cinchona Plantations, to the Commissioner of the Nilgiris, dated Ootacamund, 20th September 1871, No. 81.

WITH reference to my letter No. 48, dated 26th June last, I have the honour to inform you that I find 6-year old plants of Cinchona Succirubra will, under the mossing system, yield about 21 ozs. of dry bark each, containing six per cent. alkaloids. To produce 800 lbs. of amorphous quinine at this rate of yield, 10,159 trees will be sufficient for the first crop. Calculating the harvest of renewed bark to be reaped every eighteen months, and each tree to yield 14 ozs. of dry bark, containing eight per cent. of alkaloids, 17,143 trees will be required to produce 800 lbs. of amorphous quinine.

2. When it is taken into consideration that the trees are yearly increasing in size and productiveness, if 20,000 trees are mossed, they will be sufficient to produce yearly 800 lbs. of amorphous quinine.

3. We will therefore moss, during October and November next, 20,000 trees instead of 60,000 as originally proposed. The produce of the trees, from which we have already taken bark, show that they will yield about three times the quantity estimated in June last.

4. If the mossing process is to be carried out on a large scale, it will be necessary to use wire instead of *nar* (or fibre) to tie on the moss. The cost of the *nar* for tying on the moss averages 2 Pies per tree, and, as it has to be frequently renewed, it costs annually about 4 Pies per tree, or nearly 6 Pies when the labour of applying it is included. If tied with galvanized iron wire, at Rs. 17-8-0 per cwt., the cost per tree will be 10 Pies. This wire will last for many years, be far more economical, and secure a bark of more uniform quality, as there will be no danger of the wire decaying and the moss falling off, which frequently happens when nar is used :—

	RS.	A.	P.
The cost of mossing 20,000 trees, at 6 Pies each, will amount to... ...	625	0	0
Cost of wire, at 10 Pies	1,042	0	0
Contingencies at 5 per cent...	83	0	0
Total ...	1,750	0	0

I will thank you to be so good as to obtain the sanction of Government for this expenditure.

Commissioners Office
Ootacamund. 30th September 1871

No. 72

From.

J. W. Breeks Esqre
Commissioner of the
Neilgherries

To,

The Secretary to Government
Revenue Department
Ootacamund

Sir,

Referring to Mr. McIvor's letter of 26th June 1871 No. 48 in Proceedings of Government Revenue Department 12th July 1871 No. 151 you will observe that it was estimated that 60,000 Cinchona trees would have to be mossed to produce 20000 lbs of dry bark.

I now forward 2 letters from Mr. McIvor dated the 20th and 25 Instant from which it appears that 20 or 25000 trees will suffice and he desires the sanction of Government to expend 2540 Rupees in mossing, and to use wire instead of fibre to bind the moss to the stem as hitherto.

2.

Govt. of {1871} Madras.

REVENUE.

To

THE COMMISSIONER OF THE
NILGIRIS,
&c., &c., &c.

Dated October 4th.

Recd. Encl.

G. O., 4th October 1871, No. 1,712.

OCTOBER.
Nos. 52-53.

Cinchona mossing.—Proposed expenditure of Rs. 2,540 for —, sanctioned.

2. The use of wire I think will be economy in the long run.

The expenditure must be met out of the Chinchona Budget for the year.

[illegible] the honor to be

Sir,

Your most obedient Servant

(W Beely)

T.G.D. Commissioner

No. 3152

Rev. 1871 Dept

No. 72

Date 30th Septr. 71

Recd 2d Oct 1.

Commissioner's Office,

Ootacamund.

To,

The Secretary to the Government Revenue Department Ootacamund.

Enclosures. Two — Ods

Chinchona.

SUBJECT.

Mossing Submitting 2 letters from Mr. McIvor and requesting sanction to expend Rupees 2540 in Mossing — trees.

No 1742. 4 October 1871

With order

No. 1742

The proposed expenditure of Rs 2540 for the Bridge Grant is sanctioned.

LB

4 Oct 71

3. To the Commissioner Nilgiris on 10 Oct

b. The Accountant General

No 52-53

C. 2 Oct. 71 R. 4