M.R.O. 1—77,000—8-6-31.

(1) Number of pages 50

(2) Date of repair 11.7.32

(3) Initials of the Referencer

MADRAS RECORD OFFICE.

Government of Madras.

Revenue DEPARTMENT.

G.O. No. 1670 Press Mis.

Dated 8-12- 1880.

Not to be folded or roughly handled

GOVERNMENT OF MADRAS.

REVENUE DEPARTMENT.

8th December 1880, No. 1,670.

READ THE FOLLOWING PAPER:—

No. 145. Proceedings of the Madras Government, dated 8th December 1880, No. 1,670.

Miscellaneous.

THE Government have had under consideration the supervision of the Government Chinchona Plantations which, for the last four years, have been directly under the Commissioner of the Nílgiris. The result of the management during that time has been highly satisfactory and successful. High prices have been obtained for the bark, and notwithstanding the difficulties of the labor question caused by the famine, increasing crops have been harvested and the cultivation not only maintained but improved.

2. The Secretary of State urges the placing of these plantations under a Forest Officer. The mere work of supervision is not, the Government consider, sufficient occupation for an officer's time, but it is necessary that a Forest Officer remain on the Nílgiris to attend to the preservation of the reserved sholas, as well as to the Forest Plantations and the conservancy of the forest of the slopes, and he will have ample time for the general supervision of the Chinchona Plantations.

3. The Government accordingly resolve to relieve the Commissioner of the Nílgiris of the charge of the Government Chinchona Plantations which will be placed under the Conservator of Forests and be directly supervised by the Deputy Conservator for the time being posted to the Nílgiri Division.

4. The salary of the late Superintendent of the Plantations was Rs. 500 per mensem, in addition to which he drew a travelling allowance of Rs. 3 per diem all the year round. Of the latter Rs. 50 per mensem will now be drawn by the Forest Officer in charge in addition to his own travelling allowance as he will be required to be more constantly on the move; and out of the former, Rs. 150 will also be paid to him as additional salary in consideration of the extra responsibility thrown on him.

5. The Deputy Conservator of the Nílgiri Division will ordinarily belong to the 3rd class, the salary of which is Rs. 350 per mensem, so that he will, for his joint charge, draw a total salary of Rs. 500 per mensem.

6. The present Nílgiri Divisional Forest Officer being a Major in the Army and therefore allowed the pay of his Military rank (Rs. 640-14-6), which is in excess of the total above arrived at, will consequently draw no additional salary; but Rs. 150 of his pay will, as well as the additional travelling allowance now sanctioned, be debited to the Chinchona Plantations.

7. The establishment at present employed in connection with the plantations in the office of the Commissioner will be transferred to that of the local Forest Officer, and the Commissioner will arrange with the Conservator of Forests as to the most convenient date from which to give effect to this order.

8. The Conservator of Forests will, as soon as he can do so consistently with his other duties, thoroughly inspect all the Chinchona Plantations and report on their conservancy and cultivation.

2

17th January 1878, No. 2.
7th August 1879, No. 12.
22nd July 1880, No. 33.

9. Copy of these Proceedings will be forwarded to the Secretary of State and Government of India with reference to the despatches noted in the margin.

(True Extract.)

(Signed) C. G. MASTER,
Secretary to Government.

To the Commissioner of the Nilgiris.
„ the Conservator of Forests.
„ the Accountant-General.
„ the Board of Revenue.
„ the Superintendent of Government Central Museum.

Exd. W. J. Lewis.

80 Copies.

3

28-1-95
22/6/18
21-10-95
16-9-19
21-5-93
15-6-47

1565.

Govt. of Madras.

REVENUE.

To

THE COMMISSIONER OF THE NILGIRIS,

&c., &c., &c.

Dated December 8th.

Printed 10th.

Read, . *Encl.*

G.O., 8th December 1880, No. 1,570.

DECEMBER.

No. 115.

Government Chinchona Plantations on the Nilgiris.—Passing certain orders in regard to the transfer of the — from the Commissioner to the Conservator of Forests as requested by the Secretary of State, and directing that copy of these Proceedings be forwarded to that authority and to the Government of India.

H-7231/9/83

India Office,

London, 7th August 1879.

Revenue (Forests),

No. 12.

To His Excellency The Most Noble The Governor in Council, Fort St. George.

MY LORD DUKE,

Para. 1. I have considered in Council your Letter, No. 4, of the 14th March last, transmitting copies of Reports by Captain Campbell Walker and the Cinchona Committee on matters connected with the Government Cinchona plantations on the Nilgiris, and stating the conclusions arrived at by your Government on the several questions raised in my predecessor's Despatch, No. 2, of the 17th January 1878. I have also had under consideration your Letters, No. 8 and 9, of the 8th and 25th April respectively, relating to the same subject, and which were subsequently received.

2. The reports contained in the first-quoted letter form a valuable addition to the information previously recorded relative to these plantations, as well as on the subject of cinchona febrifuge manufacture in the Nilgiris and in Bengal. The leading points in them have already been reviewed in the Resolution of your Government of the 24th February last, and in replying to your Grace's letter it will, therefore, only be necessary to allude to such as call for further remark or for the orders of Her Majesty's Government.

3. Although the establishment of Government cinchona plantations in the Nilgiris, has, beyond doubt, been attended with success hitherto, much remains to be done before the cultivation of cinchona in this part of India can well be left to private enterprise. Hitherto but two kinds of cinchona have been satisfactorily established there, viz., *C. Officinalis* and *C. Succirubra*, yielding the crown and red barks respectively, whilst *C. Calisaya* and other species planted appear to be dying out. Although these latter have not flourished where they have hitherto been tried, they could perhaps be advantageously grown at different altitudes, where they might develope other equally valuable alkaloids of the cinchona series. The introduction of new species by hybridization was at one time

expected to be followed by important economic results, but experiments in this direction have, it appears, been discontinued since the death of Mr. McIvor, and no record remains of his experiences on this point.

4. Besides the questions which yet remain to be settled with regard to the cultivation and propagation of the cinchona plant, further experiments seem to be necessary with a view to ascertain the most profitable way of harvesting the bark. Fresh investigations are to be made on this subject, and I observe that orders have been given for at once carrying out certain coppicing experiments under the supervision of the local Deputy Conservator of Forests.

5. It is hardly to be expected that, for the present at least, private capital and enterprise should be devoted to the solution of these and other questions which may arise from time to time in connection with the cultivation of the cinchona plant in India, and I agree, therefore, with your Grace in the opinion that, for some time to come at least, the Nilgiri plantations must remain in the hands of Government.

6. Captain Walker shows in his report that the number of trees and plants in the plantations is less than half what had been estimated by the late Superintendent, and that the area under cultivation is not sufficiently stocked; but it does not appear to what cause this has been mainly due. Had the plantations been under efficient superintendence, it is scarcely probable that they would have been allowed to fall into their present condition, and, in order to secure their proper upkeep for the future, and to carry out such further experiments in cultivation and harvesting as have already been referred to, it is necessary that they should be placed in charge of a duly qualified Superintendent. In Lord Salisbury's Despatch above quoted, it was suggested that probably some member of the Forest Department might be found possessed of sufficient practical knowledge to enable him to undertake this office. I am also of opinion that the local experience of arboriculture likely to be possessed by such an officer, would counterbalance any deficiency in scientific knowledge of horticulture, especially as the charge of a large establishment, and the possible eventual direction of a scientific chemist, would require administrative capacity which would hardly be found combined with practical and theoretical knowledge of scientific gardening, which you consider necessary for the Superintendent. Besides these considerations, however, it does not appear desirable, in the present state of the finances of India, to make any special appointment from this country, otherwise than under extraordinary and exceptional circumstances, such as cannot be said to exist in the present case. I shall, therefore, refrain from taking steps for obtaining any one in this country as Superintendent for the Nilgiri plantations, and I desire that they may, for the present at any rate, be at once placed in charge of an officer of the Forest Department.

7. The re-employment of a quinologist, and the resumption of the local manufacture of a febrifuge, are questions so intimately connected with one another that it is scarcely possibly to consider them apart, since you are of opinion that obvious objections exist to the adoption of the suggestion of the Government of India, that the Nilgiri bark should be sent to Calcutta to be converted into a febrifuge or quinine by the local quinologist.

8. The therapeutic value of Mr. Wood's Sikkim febrifuge is now under examination by Dr. de Vrij, of the Hague, whose report will probably contain much valuable information with regard to the general question of the local manufacture of cinchona febrifuge in India. I shall, therefore, defer passing any orders on these questions until I am in receipt of that report.

9. With reference to the inquiry made in your letter, No. 8, of the 8th April last, I have only to remark that there appears to be no objection to the publication of extracts from Captain Walker's and the Cinchona Committee's reports relating to the cultivation of the various species of cinchona. These extracts must, however, be limited to portions of the reports which relate to ascertained facts, since it would not be advisable to publish such parts as refer to controversial subjects or to matters which are still under consideration.

I have the honour to be,

My Lord Duke,

Your Grace's most obedient humble Servant,

(Signed) CRANBROOK.

No.

Revenue (Forests)
7th August 1879

Copy
Letter to Govt of Geoy
& No. 12

Original of this
circulated to all Govts
with a memorandum
on this subject
1879.

REVENUE DEPARTMENT.

Forest No. 2160

From Secretary of State for India

Dated 7th August 1879.

FOR ORDERS.

The Secretary of State agrees with this Govt that the Cinchona plantations should be retained under State control
Questions connected with the cultivation & propagation of the Cinchona plant may be investigated and further experiment made
As to ascertain the most profitable way of [illegible]
But he declines to send out a Superintendent Overlooker etc to plantations for the forthcoming

any rate" the
plaud
"in charge of an
officer of the Forest
Department".

The reasons assigned
are
"that the local
experience of cultiva-
=tion that the
proposed by such
an officer would
counterbalance any
deficiency in scientific
knowledge of
horticulture"
while he would
probably have
administrative
experience

(2) that "it does not appear
desirable
in the present
state of the finances
of India to make
any special appropria-
=tion from the
Country"
Now if justice is
due to the

plantations the
officer in charge
must give his
undivided attention.
Should a Forest
officer be moved
& placed as the
Department is short-
=handed etc does this
from home, as is
now contemplated
while he was
on furlough or
special duty elsewhere?
However the
first reason given
shows a serious
misapprehension
of the position.
If a man is willing
& practical on scientific
horticultural lines
can be hybridize
& experiment in
propagation; if he is
real & physical
lines can be under-
=stand & treat the
soils he has to
work with, from
can "local experience"
& "horticulture"
counterbalance "want

[illegible]
[illegible]

defects & unable him
to carry out the
experiments for
which the plantations
are being
attained & to which
private planters
& the Scientific
world look for
guidance & information
. But if it could
is such an officer
available?
There are but two
retired officers of the
Forest Department who
possess any knowledge
of arboriculture.
Planting is the
Department that's
short. Failure is
written against all
=most all the
plantations of the
Brilliant exception
at Wellington,
especially due to
the work having
been carried out
by a practical

Forester specially
imported for it.
Col Beddome has
asked that that
officer may be
replaced by a similar
importation showing
how well he is
aware of the weakness
of this Department.
How much more
should be used
in a special officer in
this case.
It is submitted
that the better
administration of
the Establishment
etc may be secured
by placing the
plantations under
the Conservator but
that he has not
an officer qualified
to do what is required
and if he had would
need to replace him.
If this Note
represented the
case: if not he must
reconsider his decision
Dr Mackenzie, Bangalore

14

Extracts from the report and proposed preparation to be circulated for opinion

FOR ORDERS.

In the name of the Most Highest, Amen. We the undersigned Principal Officers of the Royal Navy of Great Britain and Ireland, now assembled in Council at the Admiralty Office in London, do hereby

15

† regard of the needs † provide out of the Fund of Superannuation and Retirement formerly drawn by which Fund such additional rates of allowance, also additional Time allowance, and allowance as may seem fit to Board of Officers of the grade now Each Ward on the Hill. who would ordinarily draw 350 + 150 £

This calculation being made as to whether the total sum of ~~for~~ such travelling allowance would exceed that now drawn by them of

be drawn when he comes to Bloxwich

I the enclosed plan & travelling allowances are more than we would allow me draw the services of the said Clerk

I do not more than he should draw only the subsistence & travelling allowances.

The draft bye would show that the proposed continuation of a Superintendent appointment would be for other, & continuance will result in an economy similar as a portion of the Superintendent, who will be relinquished

The proposed letter

The proposed letter to Mr Cross & the report to be sent to Mr C. covered & forwarded to the Board at their meeting

Yours

Council
24/9/90

18

19

Index

Index to State (Ofs)
Nos 12. 6; 7 Aug. 74

— do — 20 Aug. 74

Mr. Marquis of Hastings calls attention to the importance of placing the Cuban question under a Steadfast Superintendent.

He states that it is assumed that Prim at Madrid is the best card to play.

get-down it
was inferred
that they had
not been placed
under an officer
of the Forest Depart:
as desired in
Lord Cranbrook's
despatch of the
7th Augt. last year.
That despatch
of which a copy
is now put up
was circulated
to Secretaries [illegible]
to Indian Governments

arboriculture
Secretaries accounts
Under the
control
Honble Secretary
Secretary Govt
the Govt of
a Forest Officer
addition of Asst
Dr Sir Dietrich
for the Dept
responsibility

In which it was
pointed out that
the officer of the
Forest Department
be appointed, that
the officer was
really qualified
for the responsible
& specialist work
required and that
the Secretary should
not be leading
out a proper
person from England
as desired by
them for — namely
financial considerations

in that ifs
forest-officer were
taken for this
work his place
ordinance & the
supplied at Trinidad
a larger expense.

The Sec of State
has recently written
to say that Mr.
H. Gross (as well
known in connection
with the importation
plantations into
this country) will
leave Africa
shortly for the

23

23

Mr. Gross plant
ation Calvaja
Santa Fé Panicle
which he collected
in S. America.

Mr. Gross was
here twenty years
ago & his opinion
on the plantations
would be very
valuable.

It is submitted
that it might
be worth while
an arrangement
with him to
furnish us a
report. He was

See pages 3 para.
Note on the
Cinchona Plantations
part of.

in that ifs
Forest-officer were
[illegible]

Enclosed on the
Secretary-of
Bombay
to will be here
very shortly.
A report by Lieut
would be useful
that of the forest
officer appointed
by the Govt. of

Sd.

In despatch 24 April 61
to Secy State. Thus forwarded." We were desirous to enforce Inv. Cross recent visit in charge of Islands

Circulate to
His full duty.
in Andamans Nicobars
Repts. to the Hon Inv.
Andertons remarks
concurred in by the
Hon Inv. Commissioner

S.G.
7/6.

The papers will be circulated accordingly after the Secretary's inspection.

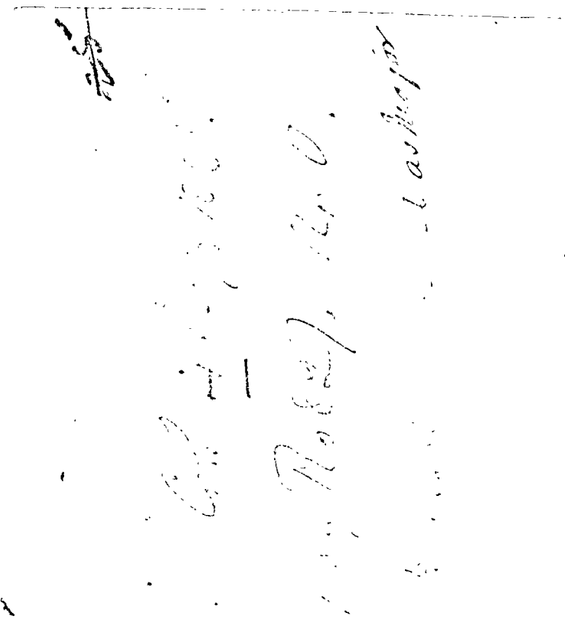
6/6/61

26

27

39

The Honorable Special attention is solicited to para 8 of the draft. His views suggested alteration should with the day of the special report for which the Secretary of State has asked



India Office,
London, 22nd July 1880.

Revenue,
No. 33.

To His Excellency The Most Noble The Governor in Council, Fort St. George.

My Lord Duke,

Para. 1. The importance of placing the cinchona plantations on the Nilgiris under the care of a qualified Superintendent has been urged upon your Government more than once by my predecessors,* but, so far as I am aware, no steps have as yet been taken for that purpose. In the last report by the Commissioner it was remarked that, in the absence of a Superintendent, the responsibilities of his subordinates employed on the plantations were considerably increased, but in the Budget Estimate for 1880–81, received with your Letter, No. 3, of the 27th January last, no provision appears to have been made for providing these plantations with any superior superintendence.

* Despatch, 17th January 1878, No. 2.
Ditto, 7th August 1879, No. 12.

2. This estate has now become of considerable value, and yields a large net revenue annually. Its proper maintenance is therefore important, and I desire that no further delay may be permitted to occur in placing them in charge of an officer of the Forest Department, as directed in Lord Cranbrook's Despatch of the 7th August last, if that has not already been done.

3. Upon appointment of a Superintendent, he should be instructed to examine into the state of the plantations, and the manner in which the harvesting of the bark and the work of conservancy has recently been conducted, and I desire that a copy of his report may be sent home for my information.

I have the honour to be,
My Lord Duke,
Your Grace's most obedient humble Servant,

Hartington

4373. I. 1700.

No. 13

Revenue

22nd July 1880

The
Secretary of State for
No. 33.

Recd. 19th August 1880.

Desiring for reasons urged that no further delay be permitted to occur in placing the Cinchona Plantations on the Nilgiris under the charge of a qualified Supt. and requesting that the report of this officer on the several points noted within may be forwarded for information.

Rec'd 5-8-80

W.S.

34

33

I would say Government have again had under consideration the supervision of the Cinchona plantations. The result of the management of the last four years has been highly satisfactory and successful. High prices have been obtained for the bark and notwithstanding the difficulties

of the labour ques=
tion caused by
the famine in=
creasing crops
have been har=
vested and the
cultivation not
only maintained
but improved.
This result has
been attained
by the local ma=
nagers under
the supervision
of the Commissioner
and no change
in management
appears called for
or desirable.

The Secretary of
State urges the
placing of these
plantations under
a Forest officer.
There is no sufficient
occupation in these
supervision for an
officer's time, but
as a forest officer
is needed to re=
main on the Nilgiris
to attend to the pre=
servation of the re=
served Sholas, as
well as the Forest
plantations and
conservancy of the
forest of the slopes,
and he will have
ample time for
the general super=
vision of the cin=
chona

plantations

37

REVENUE DEPARTMENT.

No. 1670

PROCEEDINGS of the MADRAS GOVERNMENT.

Under date the 5th November 1880

READ the following

The Govt have had under consideration the supervision of the Govt Cinchona plantations which, for the last four years, have been annually reported on. The result of the management during that time has been highly satisfactory and successful. High prices have been obtained for the bark and notwithstanding the difficulties of the labour question caused by the famine, increased crops have been harvested and the cultivation not only maintained but improved.

2. The Secretary of State urges the placing of these plantations under a Forest officer. The mere work of supervision is not, the Government consider, sufficient occupation for an officer's time, but it is necessary that a forest officer remain on the Nilgiris to attend to the preservation of the reserved Sholas, as well as to the Forest plantations and the conservancy of the forest of the slopes, and he will have ample time for the

39

40

43

REVENUE DEPARTMENT.

No.

PROCEEDINGS of the MADRAS GOVERNMENT.

Under date the ~~October 1869~~

READ the following

General Superintendence of the Cinchona plantations

Secretary of State

3. The Government is sorry to be-
-lieve the Commis-
-sioner of the Nilgiris
of the charge of the
Govt Cinchona
Plantations which
will be placed under
the conservancy of
Forests and be di-
-rectly supervised
by the Deputy Con-
-servator for the
time being posted
to the Nilgiri Di-
-vision.

The salary
of the late Super-
intendent of the
plantations was
Rupees 500 per
mensem

x Should also cancel for

mensem in addition to which he draws a travelling allowance of Rs 3 per diem for the year round. The latter will more be drawn by the Forest officer in charge in addition to his own travelling allowance & he will be required to be near constantly on the move, and out of the former Rs 1250 will also be retained to him in consideration of the extra responsibility thereon.

5. The Deputy Conservator of the Nilgiri division will ordinarily belong to the 2nd class

I think this will be too much - in proportion to Grant-rates & pay of Forest-rangers and the duties being only Supervision of plantations the extra travelling allowance of 6 days a month = 72 days a year - Pass Travg Allce Rs 25 p. mensem would suffice - as no camp equipment - or less to be provided - and Rs 500 - salary. i.e. Rs 1150 gross charge for Cinchona -

42

class, the salary of which is Rs 350 per mensem, so that he will, for his joint charge, draw a total salary of Rs 850 per mensem.

4 The present Nilgiri divisional forest-officer being a Major in the Army will be allowed the pay of his Military rank (Major) which is in excess of the total emoluments he will consequently draw no additional salary but Rs 1250 of his pay will be debited to the Cinchona Plantations.

5. The establishment at present employed in connection

connection with the plantations in the office of the Commissioner will be transmitted to that of the local Forest officer, and the Commissioner will arrange with the Conservator of Forests as to the most convenient date from which to give effect to this order.

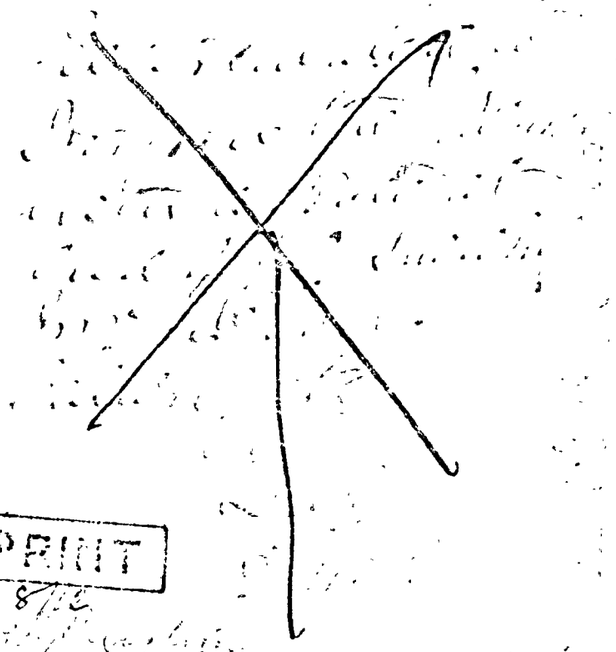
6. The Conservator of Forests will, as soon as he can do so consistently with his other duties, thoroughly visit all the Cinchona plantations and report on their condition to the Government of India, the Secretary of State, the Government of Madras and the Nilgiri Planters' Association.

44 manner in which conservancy and harvesting operations are and should be conducted.

7. Copy of these proceedings will be forwarded to the Secretary of State and Govt of India with reference to the despatches noted in the margin.

17th January 1878, No 2.
7th August 1879, No 12.
22nd July 1880, No 33.

Received in accordance with Instructions dated 3/11



PRINT

1450.

C. 15/11/80 - R. 6/12/80.

R 21-10 R 28-10 VG 3.11.G511
R 28-10 R 30-10 VG 4.11.V651