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MADRAS RECORD OFFICE.

Government of Madras.

Revenue DEPARTMENT.

G.O. No.	1140	Press / Mis.
Dated	23-5- 1879.	

Not to be folded or roughly handled

GOVERNMENT OF MADRAS.

REVENUE DEPARTMENT.

23rd May 1879, No. 1,140.

No. 505. READ THE FOLLOWING PAPER:—

From Colonel R. H. BEDDOME, Conservator of Forests, to J. H. GARSTIN, Esq., Acting Secretary to Government, Revenue Department, dated Ootacamund, 9th May 1879, No. 248.

I HAVE the honor to forward 15 lbs. of dry bark taken from a portion of a tree of *Chinchona succirubra* grown in the Tinnevelly Ghât forests above Papanasam, and would suggest that the same should be sent to England or elsewhere to be tested.

2. A few plants were sent* from the Nilgiris for trial in this district, and the succirubra plants were put down, at an elevation of about 3,000 feet, in a small clearing in the ghât forests; they have been left entirely to nature, but owing to the moister climate, the growth contrasts very favorably with that of Neddivattum or elsewhere on the Nilgiris.

* *Vide* paragraph 15 of my letter recorded in G.O., No. 29 of 6th January 1868.
Vide G.O., No. 706, dated 14th May 1870.

3. During my last inspection I found one of the larger trees to be nearly 50 feet high; it had three large stems at about one foot from the base, the leader having, it was said, been broken by a monkey when young. I requested Mr. Hayne, the Deputy Conservator, to fell one of these stems and dry the bark. Mr. Hayne reported that he felled one of the stems at three feet from the ground, and that the felled portion was 42 feet long and 24 inches in circumference at the base; from 30 feet of the stem, the top of which measured 10½ inches in circumference, he obtained 45 lbs. of green bark and 4 lbs. from the remaining 12 feet, making in all 49 lbs.; and he calculated that he would have obtained 150 lbs. if the whole tree had been felled.

4. Mr. Hadfield, who is now in charge, forwards the dry bark; but as it should have dried to not less than 20 lbs., it is probable that some was lost or abstracted.

5. It is interesting to note the height of this tree which is very much taller than anything to be seen in the Government plantations on the Nilgiris, and a report on the quality of the bark will be interesting; the latter has probably been dried in the rudest manner, as nothing was known as to how it should be treated.

No. 506. ORDER THEREON, 23rd May 1879, No. 1,140.

Forests, No. 19.

G.O., 8th October 1867, No. 2,362.
„ 23rd August 1869, „ 2,396.
„ 25th October „ „ 2,841.

FROM the papers noted in the margin it appears that three Chinchona gardens were originally formed in the Tinnevelly District, viz., on the Peria and Chinna Kulirati hills and "on the hills above Papanasam."

2. The former did not succeed, but in 1869 seventeen trees of *C. succirubra* were alive in the Chinna Kulirati garden and thirty-two *C. succirubra* and seventy-five *C. officinalis* in that above Papanasam. At that time all these trees were in a thriving and promising condition, but no subsequent report regarding them appears to have been hitherto received.

3. In the letter recorded above the Conservator reports on certain *C. succirubra* trees grown in the "forests above Papanasam," but in the memorandum* of August 1867, to which he makes reference, he wrote regarding the garden at Chinna Kulirati.

* *Vide* in G.O. for January 1868, No. 29.

Both gardens appear to have been formed in August 1866, so that the tree now reported on was between twelve and thirteen years old when one of its stems was felled.

Its height 45 to 50 feet is in excess of the tallest tree, 37½ feet, of the same species found by Captain Walker† at Neddivattum where the first planting was in 1862. No comparison of girth is possible as the measurements were taken at different heights.

† *Vide* paragraph 11, Chapter II, page 20 of his report.

4. The bark forwarded by the Conservator, which is presumably all stem bark, will be sent home for analysis as suggested.

5. The Government desire to be furnished at an early date with information as to the number, species and condition of the trees still remaining in both the Chinchona gardens in the Tinnevelly District, and it should be made clear to which the tree now reported on belongs.

(True Extract.)

(Signed) J. H. GARSTIN,
Acting Secretary to Government.

To the Conservator of Forests.
„ the Board of Revenue.

Exd. W. H. French.

57

No. 248.

Office of Conservator of Forests
Ootacamund, 9th May 1879

From,

Colonel R. A. F. Beddome,
Conservator of Forests.

To, J. F. Gardiner, Esquire,
Secretary to Government,
Revenue Department,
Ootacamund.

Sir,

I have the honor to forward 15 lbs of Cinchona Bark taken from a portion of the Cinchona Plantation in the Travancore Hills, which was received from the Government Gardens at Ootacamund, and which I beg to request that the same should be sent to England for analysis.

2. A few plants were sent from the Nilgiris for trial in this District, and the succeeding plants were found to thrive very well. I have now a nursery of about 3000 plants in a small clearing in the plantation, which I intend to increase to the extent of my means. The Cinchona Ledgeriana is the most valuable species, and I would request that a few seeds of this species may be procured for me.

3. During my last inspection I found one of the larger trees to be nearly 50 feet high, the head large

Yours

* Despatch 15th May 1879 recorded in G.O. 29th May '79. and Desp. 90/706 dated 14th May 1879.

Forwarded from Commr. of Forests G.O. No. 21 of 1879 dated 13th May 79

Original

Govt. of Madras

REVENUE.

To

THE CONSERVATOR OF FORESTS,

&c., &c., &c.

Dated May 23rd.

Printed June 5th.

Rcd. *Encl.*

G.O., 28rd May 1879, No. 1,110

MAY.

Nos. 505-506.

Chinchona Gardens in Tinnevelly District.—Recording observations in connection with the —; resolving to send the bark received from the Conservator to the Home Government for analysis; and requesting the Conservator of Forests to furnish further information on the — on the points specified.

stems at about one foot from the base, the leader having, it was said, been broken by a monkey when young. I requested Mr. Bayne, the Deputy Conservator, to fell one of these stems, and dry the bark. Mr. Bayne reported, that he felled one of the stems at 3 feet from the ground, and that the felled portion was 42 feet long, and 24 inches in circumference at the base; from 30 feet of the stem the top of which measured 10½ inches in circumference he obtained 45 lbs of green bark, and 4 lbs from the remaining 12 feet, making in all 49 lbs, and he calculated, that he would have obtained 150 lbs, if the whole tree had been felled.

4. Mr. Radfield, who is now in charge, forwards the dry bark, but as it should have dried to not less than 20 lbs, it is probable, that some was lost or abstracted.

5. It is interesting to note the height of this tree, which is very much taller than anything to be seen in the Government plantations on the Nilgiris, and a report on the quality of the bark will be interesting, the latter has

has probably been dried in the rudest manner, as nothing was known as to how it should be treated.

I have the honor to be,
Sir,
Your most obed.t Servt.
[illegible] Colonel,
Conservator of Forests.

L.O. No 1140

From Conservator of Forests 9th Circle 79 No 248.

L.O. dt. Oct-by No: 2361
— 23 Aug. by No: 2396.
25th Oct by No: 2441

From the papers sealed in the margin it appears that three Areca gardens were originally joined in the Timevelly District by the Chinna Pana & Chinna Kulirati hills & "by the hills above Pāpanāsam".
2. The former did not succeed but in 1879 Devanteen Trees & Seedlings were alive in the Chinna Kulirati garden & 32 C Seedlings & 75-

1879-80 No 381 dated 8th Aug
From the Conservator of Forests
To the Secretary to Govt. M. D.

Dated 9th May 1879
Received 10th —
Registered 12th —
Despatched 12th —
Book 1140 pages 8 & 9 1879

Enclosures
(1) Letter from the Conservator of Forests dated 7th May 1879
Subject

Forwards, with Plan, 15 lbs of dry Areca Nuts from a Garden of a Ryot at Chinna Kulirati in the Taluq of Srivaikuntam

Srivaikuntam

Coffeniaiis in
that where Passanaka.

At that time
the trees were
in a thriving &
promising condition
but no subsequent
Reports regarding
them appears to
have been hitherto
received.

3. In the letter
Recorded above the
Conservator reports
a certain Chairman
Trees grown in the
"forest above
Passanawan" but
in the memorandum
Report by Dubich
the makes reference
to a wood regarding
the Garden at
Aluma Kuliyata

Both gardens
appear to have been
formed in Augt
1866 so that the
Tree now reported on

T Vide in 10 pm
Jany 68 No: 29.

T Vide para 11 Chapt II
page 20. of this Report

was between 12 &
13 years old when
the first plants were
felled.

Its height - 45 & 50 feet
is in excess of the tallest
Tree - 37 1/2 feet - of the
same species found
by Capt. Walker at
Neddiwatta where
the first planting
was in 62. No
comparison of girth
is possible as the
measurements were
taken at different
heights.

4. The bush forwarded
by the Conservator,
which is presumably
all that was left
the seed-bearer for
analysis as suggested

5. The subsequent
letter the furnished
at an early date with
information as to
the number, species
& condition of the
trees then standing
in both the Gardens

Gardens in the
Pinewell Estate
to which the under
described Plots were disposed
of by Lots

14/5/71

21 Feb Commencement of Forest Spring Term
14th Feb Board of Revenue

Cardiona Gardens
Pinewell

C19-5-71
223-5-79