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(3) Initials of the Referencer J

MADRAS RECORD OFFICE.

Government of Madras

Revenue DEPARTMENT.

G.O. No.	366	Press Mis.
Dated	13-3-	1884.

Not to be folded or roughly handled

13TH MARCH 1884, No. 366, REVENUE.

GOVERNMENT OF MADRAS.

REVENUE DEPARTMENT.

READ—the following letter from M. A. LAWSON, Esq., Director, Government Cinchona Plantations, &c., Nilgiris, to the Secretary to Government, Revenue Department, dated Ootacamund, 29th February 1884, No. 7 :—

I have the honor to send, herewith, the half-yearly report on the work carried out in the Government Cinchona Plantations.

2. I regret much that there should have been so great a delay in sending it to you.

ENCLOSURE.

Letter from M. A. LAWSON, Esq., Director, Government Cinchona Plantations, &c., Nilgiris, to the Secretary to Government, Revenue Department, dated Ootacamund, 29th February 1884.

In accordance with instructions contained in G.O., No. 855, dated 14th July 1883, I have the honor to submit the half-yearly report ending 30th September 1883, on the Government Cinchona Plantations on the Nilgiris, of which I took over charge on the 18th June 1883, from Colonel Jago, Deputy Conservator of Forests.

2. *Season and Rainfall.*—The rainfall was as under :—

	INCHES.
Dodabetta...	32.48
Wood ...	71.11
Naduvatam ...	86.64
Hooker ...	75.54

The number of wet days was Dodabetta 99, Wood 110, Naduvatam 125, and Hooker 115 days.

A severe hail-storm visited the district in April. No damage was done to Naduvatam, Dodabetta or Wood, but the Hooker estate suffered very much. Whole plots were destroyed, the trees on which had to be subsequently uprooted. The south-west monsoon was not near so bad as in the previous year both as regards wind and the quantity of rainfall. For comparison I quote below the rainfall on the two principal estates during the half-year under notice compared with the fall during the same period in the two previous years :—

Estate.	Rainfall in 1st half of 1881-82.	Rainfall in 1st half of 1882-83.	Rainfall in 1st half of 1883-84.
Naduvatam ...	INCHES. 60.71	INCHES. 174.11	INCHES. 86.64
Dodabetta ...	31.20	38.43	32.48

Rather severe wind prevailed on all four estates during the month of August, doing a little damage to coppice shoots.

3 *Receipts.*—The receipts for the six months under report amounted to Rs. 4,096-8-8 :—

	RS.	A.	P.
Naduvatam ...	1,783	5	4
Dodabetta ...	264	7	4
Total	2,047	12	8

The above receipts were for plants and seedlings sold direct from the plantations. The receipts from sale-proceeds of seed, &c., by head office amounted to Rs. 2,048-12-0, making a grand total of Rs. 4,096-8-8, credited into the treasury during the period under notice.

4. *Expenditure*.—The expenditure of all the plantations for the half-year amounted to Rs. 29,789-8-6, as follows:—

Salaries.

	RS.	A.	P.
Naduvatom	1,399	4	0
Hooker	300	0	0
Dodabetta	1,758	0	0
Wood	420	0	0
Total ...	3,877	4	0

Conservancy and Works.

	RS.	A.	P.
Naduvatom... ..	14,245	1	7
Hooker	2,801	13	4
Dodabetta	7,617	2	0
Wood	1,248	3	7
Total ...	25,912	4	6
Grand Total ...	29,789	8	6

5. *Permanent Plantations*.—The following statement shows the number of trees coppiced, and uprooted, the number of plants permanently planted out, and the balance of old standing trees on the 30th September 1883:—

Plantations.	Number of trees on 31st March 1883.	Number of trees uprooted.	Number of trees coppiced.	Number of plants planted out.	Balance on 30th September 1883.
Naduvatom	236,580	826	7,612	84,533	312,675
Hooker	255,482	5,654	19	86,260	336,069
Dodabetta	372,749	1,557	608	119,105	489,689
Wood	102,984	97	1,699	89,588	190,776
Total ...	967,795	8,134	9,938	379,486	1,329,209

Besides the above plantings, the following "renewals" were put out:—

Naduvatom	15,987
Hooker	104,740
Dodabetta	9,900
Wood	250

The growth of the young plantings at Naduvatom and Dodabetta was very satisfactory, but that of those of Wood and Hooker very bad.

	Plants.	Seedlings.
Naduvatom	36,000	339,000
Dodabetta	5,000	34,000
Total ...	41,000	373,000

6. *Nurseries*.—All nurseries were attended to, particular attention being given to the better varieties of cinchona, as stated in paragraph 5; 41,000 plants and 373,000 seedlings, as per margin, were sold to the public.

The propagation of the *C. Carthagensis* was pushed on. There were several rooted cuttings in the forcing houses at the close of the year, besides 15 plants which were raised and put out in the field at Naduvatom. The following plants were also issued to the Forest Department for experimental planting at Mudumalai and Malabar:—

- 1,000 *C. Pubescens*.
- 1,000 *C. Succirubra*.
- 600 *C. Calisaya* var. *Ledgeriana*.
- 10 *C. Carthagensis*.
- 550 *C. magnifolia*.

735 plants and 5,900 seedlings of *C. Calisaya* var. *Ledgeriana*, which variety does not find a congenial home at Naduvatom, were transferred to the Wood estate, which has a much lower elevation, and may suit this variety. The *Carthagensis* plants are doing well. There are now near 200, all healthy, and I propose selling half of them at low prices to such planters, as may apply for them, and whose estates I think suited to their growth. The plants of *Santa Fé*

are not doing at all well, and so I have ordered them to be removed from the cinchona department, and have had them placed under the charge of Mr. Jamieson, the Curator of the Government Gardens.

7. *Crop*.—The stripping and mossing system was carried out, on a few selected trees, at Dodabetta and Naduvatom for experimental purposes.

The following crop was collected during the six months under notice:—

Naduvatom.

	LB.
By uprootal	13,614
" coppicing	143,094
" scraping	811½
" stripping	237
" samples and thinnings	6,201
Total ...	163,957½

Hooker.

	LB.
By uprootal	50,630
" coppicing	192
Total ...	50,822

Dodabetta.

	LB.
By stripping	46,629
" coppicing	14,378
" scraping and pruning	5,174
Total ...	66,181

Wood.

	LB.
By coppicing	12,850
" stripping	200
Total ...	13,050

making a grand total of 2,94,010½ lb. of green bark of various varieties.

8. *Buildings*.—The new drying shed at Naduvatom was completed and handed over to this department, but on its being put into use, it was found to be so full of faulty work, that it had to be abandoned, and handed back to the Public Works Department for repairs.

9. *Firewood Plantations*.—24,860 plants of "*Eucalyptus globulus*" were planted out at Naduvatom. This variety of fuel tree does not do well here, and I have therefore arranged to plant up the grass land around Naduvatom with "*Frenela rhomboidia*."

10. *Conservancy*.—The chief work carried on being collection of crop, very little labor was expended on the up-keep of the plantations. The usual necessary incidental works under this head were, however, carried out.

ORDER—dated 13th March 1884, No. 366, Revenue.

Miscellaneous.

Recorded.

(True Extract.)

(Signed) H. E. STOKES,
Secretary to Government.

To the Director, Government Cinchona Plantations, Parks and Gardens, Nilgiris.
,, the Board of Revenue.

Exd. A. Aubert.

50 Copies.

Original
Govt. of (1884) Madras.

REVENUE.

Issued

Recd.

Encl.

G.O., 13th March 1884, No. 366.

MARCH.

Government Cinchona Plantations,

Nilgiris.—Report on the — for the half-year
ending 30th September 1883, recorded.

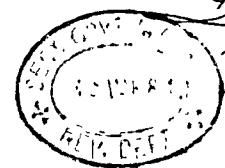
Don't know what C. G. 18
NOTE FOR THE UNDER SECRETAR.

The Right Hon the Governor
would perhaps like to
see this.

Hick
10/3

Yes
see

33



Director's Office
Cotacumund
29th February 1884

From The Director
Govt. Cinchona Plantations
of Nilgiris
To The Secretary to Govt.
Revenue Department
Fort St. George

Sir,

In accordance with
instructions, contained in G. O.
No 855 dated 14th July 1883,
I have the honor to submit
the half yearly report ending
30th September 1883 on the
Govt. Cinchona Plantations on
the Nilgiris, which I took
over charge on the 18th June 1883
from Colonel Jugo, Deputy
Conservator of Forests.

2 Season and Rainfall

The rainfall was as under:

Dodabetta 32.48 inches,

W

Wood 71.11 inches

Naduvattam 86.64 "

Hooker 175.54 "

The number of wet days ^{was} ~~was~~

Dodabetta 99, Wood 110, Naduvattam
125, and Hooker 115 days.

A severe hail storm visited
the District in April. No
damage was done to Naduvattam,
Dodabetta or Wood, but
the Hooker estate suffered
very much. Whole plots
were destroyed, the trees on
which had to be subsequently
uprooted. The South-West
Monsoon was not near
so bad as in the previous
year both as regards wind
and the quantity of rainfall.

For comparison I quote below
the rainfall on the two prin-
cipal Estates, during the
half year under notice.

Compared

(G. to S.)
Compared with the fall
during the same period
in the two previous years.

Estate	Rainfall in first half of	Rainfall in first half of	Rainfall in first half of
	1881-82.	1882-83	1883-84.
	Inches	Inches	Inches
Naduvattam	60.71	174.11	86.64
Dodabetta	31.20	38.43	32.48

Rather severe wind prevailed
on all 4 Estates during the
month of August, doing
a little damage to coffee
shoots.

3 Receipts. The receipts
for the 6 months under
report, amounted to

Rs 4096.8-8

Naduvattam Rs 1783.5-4

Dodabetta 264.7-4

Rs 2047.12-8

The above receipts were for
plants and seedlings sold
direct from the Plantations.

The receipts from sale

proceeds of sud. re. by Head
Officer amounted to Rs 2048-12-0
making a grand total of
Rs 4096-8-8, credited into
the Treasury during the
period under notice.

4. Expenditure. The
expenditure of all the plan-
tations for the half year
amounted to Rs 29,789-8-6
as follows:—

Salaries

Naduvattam 1399-4-0

Hooker 200-0-0

Dodabetta 1758-0-0

Wood 420-0-0

3877-4-0

Conservancy and Works

Naduvattam 14245-1-7

Hooker 2801-13-4

Dodabetta 7617-2-0

Wood 1248-3-7

25912-4-6

Total Rs 29,789-8-6

Permanent Plantations

5. Permanent Plantations
The following statement shows
the number of trees coppiced
and uprooted, the number of
plants permanently planted
out, and the balance of old
standing trees on the 30th September
1888.

Plantation	no. of trees up. 31 st March 1888.	no. of trees up. worked	no. of trees coppiced	no. of plants planted out	Balance on 30 th September 1888.
Naduvattam	236,580	826	7612	84,533	312,675
Hooker	255,482	5654	19	86,260	336,069
Dodabetta	372,749	1557	608	119,105	489,689
Wood	102,984	77	1699	89,588	190,776
	967,795	8134	9938	379,486	1,329,209

Besides the above plantings, the
following 'Renewals' were put
out:—

Naduvattam 15,987

Hooker 104,740

Dodabetta 9,900

Wood 250

The growth of the young planting
at

at Kaduwatam and Doda
betta was very satisfactory,
but that of those of Wood
and Stoker very bad.

6. Nurseries. All
nurseries were attended to,
particular attention being
given to the better varieties
of Cinchona, as stated in para

5. 41,000 plants and 373,000
seedlings, as per margin, were sold
to the Public.

	plants	seedlings
Kaduwatam	36,000	339,000
Dodabetta	5,000	34,000
	<u>41,000</u>	<u>373,000</u>

The propagation of the *C.*
Carthagena was pushed on.

There were several rooted ex-
cuttings in the forcing houses
at the close of the year, besides
15 plants which were raised
and put out in the field
at Kaduwatam. The following
plants were also issued to
the Forest Department for
experimental planting

at Mudumalai and Malabar
1000 *C. Puluseensis*
1000 *C. Succirubra*
600 *C. Calisaya* var. *Ledgeri*
10 *C. Carthagena*
550 *C. Magnifolia*.

735 plants and 5900 seedlings
of *C. Calisaya* var. *Ledgeriana*,
which variety does not find
a congenial home at Kada-
watam, were transferred to
the Wood Estate, which has a
much lower elevation, and may
suit this variety. The *Carthagena*
plants are doing well. There
are now near 200, all
healthy; and I propose
selling half of them at
low prices to such planters,
as may apply for them,
and whose estates I
think suited to their
growth. The plants of
Santa Fe

Santa Fe. are not doing at all well, and so I have ordered them to be removed from the Cuchuma Department, and have had them placed under the charge of Mr. Januison, the Curator of the Government Gardens.

7 Crop The stripping and mossing system was carried out, on a few selected trees, at Dodabetta and Neda. -vatom for experimental purposes.

The following crop was collected during the 6 months under notice.

Naduwateram

By uprootal 13,614 lb
 . Coppicing 14,309 1/2 --
 . Scraping 8 1/2 --
 . Stripping 237 --
 . Samples & } 6,201 --
 thinning }
 Total 163,957 1/2 lb

Hooker

By uprootal 50,630 lb
 . Coppicing 192 --
 Total 50,822 lb

Dodabetta

By Stripping 46,629 lb
 . Coppicing 14,378 --
 . Scraping & } 5,174 --
 burning }
 Total 66,181 lb

Wood

By Coppicing 12,850 lb
 . Stripping 200 --
 Total 13,050 lb

Making a grand total of 294,010 1/2 lb of green bark of various varieties.

8 Buildings. The new drying shed at Naduwateram was completed and handed over to this Department, but on its being put into use it was found to be so full of faulty work that it had to be abandoned, and

handed

handed back to the Public
Works Department for repairs.

9 Firewood Plantations.

24,860 plants of "Eucalyptus
Globulus" were planted out
at Naduvatem. This variety
of full tree does not do
well here, and I have therefore
arranged to plant up the
grass land around Naduvatem
with "Frenela Rhombodia".

10 Conservancy. The

chief work carried on being
collection of crop, very little
labor being ^{was} expended on
the up-keep of the plantations.

The usual necessary incidental
works under this head were
however carried out.

I have the honor to be
Sir

your most Obedt servant

M. L. Lawson.

Director

Scientific and other
Minor Department
(1884)

From
The Director
Govt Cinchona Plantations
Kilgiris

To
The Secretary to Govt.
Revenue Department
Fort St George

Dated 29th February }
Recd March } 1884

Subject
Submitting half-yearly
report ending 30th Sept^r
1883 on the Government
Cinchona Plantations
Kilgiris.

It should
not be
difficult to
send it in
again
1884

No 7

Director's Office
Colacumund
27th February 1884.



From,

The Director
Govt Cinchona Plantations
Kilgiris.

To
M. E. Stokes Esq^r
Secretary to Government
Revenue Department
Fort St George

Sir,

I have the honor to
send herewith, the half yearly
report on the work carried
out in the Government Cin-
chona Plantations.

2 I regret much that
there should have been so
great a delay in sending
it to you.

I

I have the honor to be

Sir

Your most O^bd^t Serv^t

W. L. Lawson.

Director

1887 14 July / 83 10855

Revenue (1884) Dept
No 1454.
Scientific and other
Minor Departments
(1884)

Order No 366.

Recorded.
W.H.

W.H.
13-3-84.

To the Director, Govt. Can. Planting
Parks & Gardens, Victoria
16. Board of Revenue.
50
4
Des. 24-3-84

The Right Hon. the Governor

From
The Director
Govt. Cane Plantations
Colonial

To
The Secretary to Govt.
Revenue Department
Fort St. George

Dated 29 February
Despatched 1st March } 1884.
Recd 3rd March }

C. P. 7
En. one

Subject

Forwards half yearly
report ending 30 September
1883 on the Govt. Cane
Plantations, Victoria.

With an order

R.E.