

(1) Number of pages 16(2) Date of repair 27-8-38(3) Initials of the Referencer 4

MADRAS RECORD OFFICE.

Government of Madras.

Revenue DEPARTMENT.

G.O. No.	2274	Press Mis.
Dated	2-5-	1885.

Not to be folded or roughly handled

No. 366.

GOVERNMENT OF INDIA.

DEPARTMENT OF FINANCE AND COMMERCE.

To.

*The Secretary to the Govt. of
Madras.*

Simla, the 23rd April 1885.

SIR,

*I am directed to forward herewith
a copy of the Tables (Nos 1 to 4) relating
to Cinchona cultivation in British India
during the years 1879-80 to 1883-84 as pub-
lished in the ninth issue of the Volume
of Statistical Tables, relating to British
India, and to request that with the
permission of His Excellency the Governor
in Council you will be good enough
to cause the statistics for the year 1884-85
for the Madras Presidency to be entered
in the Tables which should be returned
to the Statistical Branch of this Department
at Calcutta, not later than the 1st July next.*

2. Any revision found to be necessary in the figures already published for previous years should be made in the Tables.

3. I am to request that endeavours may, if possible, be made to obtain information in regard to private plantations in the Nilgiris.

I have the honour to be,
Sir,
Your most obedient servant

J. G. O'Connor

Asst Secy to the Govt of India

S. W. May
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CHINCHONA CULTIVATION.

(38)

[Part V]

No. 3.

STATEMENT showing the EXPENDITURE, PRODUCE, and RECEIPTS at the GOVERNMENT CHINCHONA PLANTATIONS in INDIA for each of the Official Years 1879-80 to 1883-84.

SIKKIM PLANTATIONS.

		1879-80.	1880-81.	1881-82.	1882-83.	1883-84.
PLANTATIONS—						
Total expenditure on the old Plantations, viz., Rungbee, Mungpoo and Sittong	R	54,769	60,281	68,218	63,191	60,133
Total expenditure on the new Plantation at Sittong, which has not yet commenced to yield	"	15,204	11,424	10,277	13,383	12,527
Total expenditure on the new Plantation at Runjung	"	361,590	348,560	298,780	358,100	254,270
Produce of bark from the old Plantations	lbs.	...	...	...	4,166	...
Produce of bark from the new plantation at Sittong	lbs.	...	28,965*	42,790*	38,880	61,890
Rate per lb.	Rs.	0-2-5	1-2-9†	0-2-10†	0-2-0‡	0-3-5§
Receipts by sale of bark from the old Plantations	Rs.	739	3,270	3,280	2,611	1,390
Receipts by sales in London	"	...	32,340	88,409	...	...
FEBRIFUGE FACTORY AT SIKKIM—						
EXPENDITURE—						
Muriatic Acid	lbs.	25,008	29,007	31,603	29,003	10,372
Sulphuric Acid	Rs.	4,801	5,425	5,925	5,438	3,070
Canetic Soda	lbs.	38,671	46,984	326	183	...
Packing and Carriage	Rs.	1,934	3,880	...	22,737	72,051
Sundries	"	7,408	7,805	5,378	1,622	4,003
Manufactory Apparatus, including carriage, &c.	"	6,732	3,500	5,130	5,232	6,741
Quinologist	"	2,598	3,913	4,720	4,101	5,961
Travelling expenses	"	189	206	2,400	2,400	2,339
Labour	"	3,674	3,055	4,183	4,452	152
Bark	lbs.	366,800	354,480	347,200	380,760	4,011
	Rs.	68,195	68,137	60,895	68,927	320,320
						64,676
TOTAL	R	95,531	85,921	88,057	92,456	90,953
PRODUCE—						
Chinchona Febrifuge	lbs.	...	...	...	10,363	8,464
Rate per lb.	Rs.	9-4-35	9-2-96	8-0-10	8-8-9	10-4-7
Crystalline Febrifuge	lbs.	10-2-0	9-3-10	11-1-8	300	250
Rate per lb.	Rs.	...	...	...	12-13-2	15-6-11
RECEIPTS—						
By sale of Chinchona Febrifuge	R	...	...	...	1,47,194	1,40,121
By sale of Crystalline Febrifuge	"	1,36,033	1,44,047	180,519	2,968	3,953

THANDOUNGYEE PLANTATION (BURMA).

Total expenditure	R	4,904	4,840	3,140	1,851	1,594
Produce in bark	lbs.	...	290	323	507	...

KALIHATTI PLANTATION (MYSORE).

Total expenditure	R	97	124	} Sold to a private party.		
Produce in bark	lbs.	...	...			
Receipts by sale of produce	R	...	...			

NILGIRI PLANTATIONS.

Total expenditure	R	79,724	96,105	112,392	83,351	93,242
Produce in bark	lbs.	179,209	243,245	212,052	129,713	183,765
Rate per lb. realised by sale	Rs.	3-0-0	2-8-0	†	1-9-0	0-14-0
Receipts by sales in England	R	3,21,963	4,06,000	†	†	18,143
Miscellaneous local receipts	"	21,852	26,200	24,844	1,10,741§	62,107
TOTAL	R	3,43,815	4,32,200	24,844	1,10,741	80,340

* Obtained by pruning and thinning the new plantation.
† This rate is for the produce of both the old and new plantations.
‡ All bark sent home was converted into quinine and other alkaloids on Government Account.
§ Rs. 1,06,396 net, realised from bark sold at Madras.
|| Includes receipts from sale of plants and seed also.

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CHINCHONA CULTIVATION.

No. 4.

STATEMENT showing the progress made in the CULTIVATION of CHINCHONA in private Plantations in INDIA.

SPECIES AND VARIETIES.	BENGAL.			MYSORE.		
	NUMBER OF ACRES UNDER CULTIVATION AND NUMBER OF PLANTS PERMANENTLY PLANTED ON THE 31st MARCH 1884.		ESTIMATED OUTTURN FOR THE YEAR 1884.	NUMBER OF ACRES UNDER CULTIVATION AND NUMBER OF PLANTS PERMANENTLY PLANTED ON THE 31st MARCH 1884.		TOTAL OUTTURN FOR THE YEAR 1884.
	Acres.	Plants.	Lbs.	Acres.	Plants.	Lbs.
C. calisaya	323	561,173	...	...	...	...
C. " hybrid	50	54,598	...	...	...	...
C. hybrid	13	24,020	4,800	...	...	3,472
C. succirubra	274	422,717	...	23	21,734	...
C. succirubra	20	54,270	...	...	1,215	...
C. officinalis, var. Condaminia	...	...	...	...	...	...
C. micrantha	...	...	...	...	...	...
TOTAL	680	1,116,778	4,800†	23	22,949	3,472
COORG.						
NUMBER OF ACRES UNDER CULTIVATION AND NUMBER OF PLANTS PERMANENTLY PLANTED ON THE 31st MARCH						
	1880.		1881.	1882.		1883.
	Acres.	Plants.	Acres.	Plants.	Acres.	Plants.
C. succirubra	*	235,543	*	172,635	581,800	751,940
C. micrantha: hybrids	...	...	...	...	...	200
C. officinalis	*	7,170	*	5,000	1,086	8,200
C. calisaya	...	...	...	771	30,100	36,100
C. Ledgeriana	...	...	...	...	256	5,57
Others	*	2,000	...	...	...	66,700
TOTAL	*	244,713	*	177,635	†771	617,156
Seedlings	*	45,000	*	203,200	*	165,000
					†1,086	868,724
						177,000
						†1,868
						1,494,385

† Calculated at 800 plants the acre.

* No information available.

† These figures represent the yield from 205,547 plants only out of the total given of 1,116,778 plants, the remaining 911,231 being new plants yielding no outturn during the year.

NOTE I.—No information is available in regard to private plantations in the Nilgiris and British Burma.

NOTE II.—Figures for the Kalhatti Government Plantation (Mysore), which was sold to a private party, are not available.

CHINCHONA CULTIVATION.

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[Part V

No.

STATEMENT shewing the progress made in the CULTIVATION of CHINCHONA in the

SIKKIM

NUMBER OF ACRES UNDER CULTIVATION AND

SPECIES AND VARIETIES.	1880.						1881.							
	ACRES UNDER CULTIVATION.	PLANTS IN PERMANENT PLANTATION.	STOCK PLANTS FOR PROPAGATION.	SEEDLINGS OR ROOTED CUTTINGS IN NURSERY BEDS FOR PERMANENT PLANTATION.	ROOTED PLANTS IN CUTTING BEDS.	UNROOTED CUTTINGS.	ACRES UNDER CULTIVATION.	PLANTS IN PERMANENT PLANTATION.	STOCK PLANTS FOR PROPAGATION.	SEEDLINGS OR ROOTED CUTTINGS IN NURSERY BEDS FOR PERMANENT PLANTATION.	ROOTED PLANTS IN CUTTING BEDS.	UNROOTED CUTTINGS.	ACRES UNDER CULTIVATION.	PLANTS IN PERMANENT PLANTATION.
<i>C. succirubra</i>	2,139	4,125,285	...	40,000	...	...	2,064	4,034,535	...	...	...	...	1,950	3,873,285
<i>C. calisaya</i>	154	367,282	6,000	186,000	80,000	...	165	406,695	6,000	300,000	80,000	...	235	566,695
<i>C. " Ledgeriana</i>	...	...	...	...	...	...	...	...	...	...	...	...	...	...
<i>C. " Verdi and Morada</i>	...	...	...	...	...	...	...	...	...	...	...	...	...	...
<i>C. micrantha</i>	...	500	...	...	...	...	...	500	...	...	...	...	...	500
<i>C. officinalis, and varieties</i>	9	25,000	...	...	...	...	9	25,000	...	...	...	...	9	25,000
<i>C. Pahudiana</i>	2	5,092	...	...	...	...	2	5,092	...	...	...	...	2	5,092
<i>C. ignota</i>	40	109,578	10,000	52,000	45,000	...	...	...	...	...	...	...	...	...
<i>C. hybrid</i>	...	...	...	...	...	...	...	...	...	...	...	...	132	291,028
<i>C. Hard Carthagens</i>	...	...	...	...	...	...	...	...	60	...	90	...	...	...
<i>C. from Carthagens</i>	...	...	4	...	...	...	...	...	...	...	...	...	...	...
<i>C. New variety</i>	...	...	...	...	...	...	92	199,898	10,000	39,000	101,000	...	...	...
TOTAL	2,344	4,632,737	16,004	278,000	125,000	...	2,332*	4,671,720	16,060	339,000	181,090	...	2,328	4,762,200

* Approximate; exact
THANDOUNGYEE

NUMBER OF ACRES UNDER CULTIVATION

	ON THE 31st MARCH 1880.					ON THE 18th MAY 1881.						
	...	...	...	...	...	...	...	...	...	...	...	...
<i>C. succirubra</i>	27,001	...	14,738	...	...	33,775	...	4,864	...	38,639	*	35,610
<i>C. calisaya</i>	1,494	...	27,190	...	...	2,233	...	15,546	...	17,779	83	10,418
<i>C. officinalis, var. Conda-minia</i>	8,721	...	...	...	...	8,020	...	...	...	8,020	*	8,020
TOTAL	37,216	...	41,928	...	...	41,028	...	20,410	...	64,438	...	54,048

* No information
KALHATTI PLANT

NUMBER OF ACRES UNDER CULTIVATION

1880.									
...	41	36,037	...	...	...	...	36,037	41	35,735

Part V]

1.

several GOVERNMENT PLANTATIONS in INDIA in each of the Official Years 1879-80 to 1883-84.

PLANTATIONS.

NUMBER OF PLANTS ON THE 31st MARCH

1882.						1883.						1884.					
STOCK PLANTS FOR PROPAGATION.	SEEDLINGS OR ROOTED CUTTINGS IN NURSERY BEDS FOR PERMANENT PLANTATION.	ROOTED PLANTS IN CUTTING BEDS.	UNROOTED CUTTINGS.	TOTAL NUMBER OF PLANTS, CUTTINGS, AND SEEDLINGS.	ACRES UNDER CULTIVATION.	PLANTS IN PERMANENT PLANTATION.	STOCK PLANTS FOR PROPAGATION.	SEEDLINGS OR ROOTED CUTTINGS IN NURSERY BEDS FOR PERMANENT PLANTATION.	ROOTED PLANTS IN CUTTING BEDS.	UNROOTED CUTTINGS.	TOTAL NUMBER OF PLANTS, CUTTINGS, AND SEEDLINGS.	ACRES UNDER CULTIVATION.	PLANTS IN PERMANENT PLANTATION.	STOCK PLANTS FOR PROPAGATION.	SEEDLINGS OR ROOTED CUTTINGS IN NURSERY BEDS FOR PERMANENT PLANTATION.	ROOTED PLANTS IN CUTTING BEDS.	TOTAL NUMBER OF PLANTS, CUTTINGS, AND SEEDLINGS.
...	...	...	...	3,873,285	1,870	3,713,200	...	10,000	60,000	...	3,783,200	1,760	3,532,000	...	...	...	3,532,000
6,000	200,000	80,000	...	852,695	275	662,998	3,000	131,220	80,000	...	877,218	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	350	854,218	...	316,000	...	1,170,218
...	...	...	...	...	...	...	...	...	...	...	...	5	8,500	5,000	177,000	...	190,500
...	...	...	...	...	...	...	...	...	...	...	...	500	500	...	...	...	500
...	...	...	...	500	...	500	...	...	...	...	25,000	7	20,000	...	...	...	20,000
...	...	...	...	25,000	9	25,000	...	...	...	...	5,092	2	5,092	...	...	...	5,092
...	...	...	...	5,092	2	5,092	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10,000	40,000	40,000	...	381,628	138	304,378	10,000	20,000	20,000	...	354,378	145	320,500	2,000	62,000	...	384,500
...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1
30	...	...	...	30	...	...	3	...	...	...	3	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16,030	240,000	120,000	...	5,138,230	2,294	4,711,168	13,003	161,220	160,000	...	5,045,391	2,269	4,740,811	7,000	555,000	...	5,302,811

acreage is not known.

PLANTATION (BURMA).

AND NUMBER OF PLANTS.

ON THE 31st MARCH 1882.						ON THE 30th JUNE 1883.						ON THE 30th JUNE 1884.					
...	2,179	...	...	37,789	...	31,506	...	13,200†	...	47,706	...	30,809	...	5,671	...	...	36,480
...	7,361	...	...	17,779	...	10,418	...	11,000†	...	21,418	...	962	...	3,271	...	...	4,233
...	...	...	...	8,020	...	7,593	...	3,600†	...	11,193	...	45,090	...	4,184	...	...	49,274
...	...	...	...	...	...	...	...	...	...	...	...	76,861	...	13,126	...	...	89,987
...	9,540	...	...	63,588	...	52,517	...	27,800†	...	80,317	...	...	...	...	...	...	...

available. † Estimated.
ATION (MYSORE).

AND NUMBER OF PLANTS ON THE 31st MARCH

1881.						
...	...	...	...	35,735	Sold to a private party.	E 1

CHINCHONA CULTIVATION.

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[Part V]

No. 1—continued.

STATEMENT shewing the PROGRESS MADE in the CULTIVATION of CHINCHONA in the SEVERAL GOVERNMENT PLANTATIONS in INDIA in each of the Official Years 1879-80 to 1883-84—continued.

NILGIRI PLANTATIONS.

SPECIES AND VARIETIES.	NUMBER OF ACRES UNDER CULTIVATION ON THE 31st MARCH 1884.	NUMBER OF PLANTS RAISED DURING THE YEAR ENDING 31st MARCH					TOTAL.	PLANTS IN PERMANENT PLANTATION ON 31st MARCH 1884.
		1880.	18 1.	1882.	1883.	1884.		
C. succirubra	847	300,700	585,950	40,000	...	1,835	928,435	152,497
C. officinalis		350,000	473,000	207,500	577,500	436,100	2,044,100	964,745
C. calisaya, var. Ledgeriana		5,500	2,810	2,710	4,356	7,605	22,981	3,897
" other varieties		6,600	1,537	...	902	...	9,039	...
C. micrantha		1,000	...	...	...	...	1,000	26
C. pubescens		4,100	24,140	50,000	132,000	556,750	766,990	65,000
C. Pitayensis		5,500	...	20	...	...	5,520	43
C. lanceolata		38,000	200	...	...	...	38,200	69
Hybrids and others		5,000	...	...	51,000	4,500	60,500	129,141
C. carthagens		...	...	120	3	51	174	26
C. santa fe		...	...	15	2	...	17	...
TOTAL	847	716,400	1,087,637	300,365	765,763	1,006,841	3,877,006	1,315,444

Part V]

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CHINCHONA CULTIVATION.

No. 2.

STATEMENT shewing the OUTTURN and DISPOSAL of CHINCHONA BARK at the GOVERNMENT PLANTATIONS in INDIA during each of the Official Years 1879-80 to 1883-84.

SIKKIM PLANTATIONS.

	1879-80.	1880-81.	1881-82.	1882-83.	1883-84.
Balance in store on 1st April	275,339	269,497	277,802	198,888	163,808
Outturn of Bark collected during the year	361,590	377,525	341,570	396,980	306,160
TOTAL	636,929	647,022	619,372	595,868	469,968
Sold locally (to Medical Department)	...	...	804	500	100
Issued to Quinologist for manufacture of Febrifuge	366,800	354,480	347,200	389,700	320,320
Accidentally destroyed by fire, used in experiments, &c.	632	500	...	41,800	...
Sent to Secretary of State, London, for sale	...	14,240	72,480	432,000	320,420
TOTAL	367,432	369,220	420,484	163,808	149,548
Balance in store on 31st March	269,497	277,802	198,888	...	...

THANDOUNGYEE PLANTATION (BURMA).

Outturn of Bark collected during the year	...	290	323	507	...
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KALHATTI PLANTATION (MYSORE).

Balance in store on 1st April	...	404	...	...	...
Outturn of Bark collected during the year	...	404	...	...	...
Exported for sale in England	...	404	...	...	...
Issued to Local Hospitals, including dryage	...	404	...	...	...
TOTAL	...	404	...	...	...
Balance in store on 31st March	...	...	...	...	...

NILGIRI PLANTATIONS.

Balance in store on 1st April	...	4,635	6,375	6,997	5,304	2,887
Outturn of Bark collected during the year	...	179,299	243,245	242,052	129,711	183,765
TOTAL	...	183,934	249,620	249,049	135,015	186,652
Exported for sale in England	...	173,539	235,527	232,467	62,500	30,510
Issued to Quinologist for manufacture of Febrifuge	...	2,000	...	...	...	...
" Madras Medical Department	...	...	...	1,000	...	1,000
" Calcutta	...	2,000	2,000	10,278*	65,61	62,616*
" Bombay	...	20	5,096	243,745	13,111	94,126
" Private parties	...	177,559	242,623	243,745	2,887	92,526
TOTAL	...	6,375	6,997	5,304	...	...
Balance in store on 31st March	...	...	...	...	...	...

* Sold at Madras by public auction.

G.O 23 June/85 No 26567565

REVENUE (1885) DEPARTMENT.

No.

From the for: of India,
Off: of Dist: & Prov:

1111 G.O. No 2274

The tables will be forwarded to the Director of the Govt Cinchona Plantations with the request that they may be returned filled in to this office not later than the 15th June next.

2. Para 3 of the foregoing letter will be communicated to the Bd of Rev who will instruct the Collr to obtain ^{fill in} information respecting private plantations in the accompanying form & submit it to Govt by the date named above.

Dated 23rd
Recd. 30th
20. 11. 1322/85
20. 11. 1322/85

No. 366.

Enc: 1.

SUBJECT.

Forwarding tables relating to Cinchona cultivation in B. India during 1879-80 to 1884-85 & requesting to cause the statistics for 1884-85 to be submitted therein & the tables returned.

2-5-85

It is adapted from the form for other provinces for the Cinchona Plantations.

To the Govt. Botanical Director, Cinchona Plantations with tables & form of Revenue & Dist. Officer.

with an order

1885-86