M.R.O. 1—77,000—8-6-37.

(1) Number of pages 166

(2) Date of repair 30-8-38

(3) Initials of the Referencer

MADRAS RECORD OFFICE.

Government of Madras.

Revenue DEPARTMENT.

G.O. No. 1061 Press Mis.—

Dated 10-11-1887.

Not to be folded or roughly handled

GOVERNMENT OF MADRAS.

REVENUE DEPARTMENT.

READ—letter from M. A. LAWSON, Esq., Government Botanist and Director of Government Cinchona Plantations, Nilgiris, to the Secretary to Government, Revenue Department, dated Ootacamund, 30th September 1887, No. 36.

ABSTRACT.—Forwarding the budget estimates of the Government Cinchona Plantations and Botanical Gardens and Parks, Nilgiris for the year 1888-89.

ENCLOSURES.

EXPLANATORY NOTE ON THE BUDGET ESTIMATES OF THE GOVERNMENT CINCHONA PLANTATIONS, NILGIRIS, FOR THE OFFICIAL YEAR 1888-89.

Actuals for 1886-87—*Receipts.*—In G.O., No. 990, of the 15th November 1886, Revenue, Government sanctioned a revised budget estimate for the year of Rs. 76,000, and against this anticipated sum, an amount of Rs. 69,663 only was actually realized, or Rs. 6,337 less than was originally expected to be received, and Rs. 27,033 below what was obtained during the year before. This falling off was due to lower prices having been obtained for the bark than was expected when the budget was framed, the rate per pound obtained this year being Annas 12·4 instead of Annas 14 in the previous year.

2. *Charges.*—These amounted to Rs. 82,497 as against an estimated sum of Rs. 87,000, thus showing a saving of Rs. 4,503. The differences between the two are explained as follows :—

Budget estimate			Rs. 87,000
Actuals		Rs. 82,497	
Decrease under—			
Nurseries	Rs. 498		
Working charges	3,019		
Collection of crop	2,068		
New works	750		
Repairs	1,329		
Auction sales	1,506		
Disintegrator	727		
Other heads	357		
	——	10,254	
		92,751	
Increase under—			
Manure	2,501		
Wilson and Co.	3,217		
Other heads	33		
	——	5,751	
		——	87,000

3. In accordance with the wishes of Government conveyed in G.O., No. 1164, of 16th October 1885, Revenue, the chief variations are thus explained :—

Working Charges.—The decrease of Rs. 3,019 under this head is due to the general supervision of the estates having still further improved, and to every effort having been made to keep all unnecessary expenditure down as much as possible.

Collection of Crop.—The saving here of Rs. 2,068 is due to the coppicing system of harvesting having been largely employed in collecting the year's crop.

Repairs.—The expenditure under this head fell short of the estimate by Rs. 1,329 chiefly on account of much old material having been used instead of purchasing new.

Auction Sales.—The saving in this case is due to a reduction having been effected in advertisement charges by reducing the number of newspapers in which the auction sales were advertised and also to less bark having been sold than was originally intended and which therefore caused a reduction in all charges connected with the sales.

Manure.—The excess under this head over the budget allotment is due to larger manuring operations having been carried out on all the estates and to a larger number of cattle having to be fed.

Wilson and Company's Compensation.—This was the sum paid to Wilson and Company as compensation under G.O., No. 1979, dated 29th March 1887, Revenue; was met out of general savings.

4. *Revised Estimate for* 1887-88—*Receipts.*—In estimating the receipts for the current and the next year I must ask to be allowed to give Government information on this head as follows instead of in the usual form, as I am unable to give anything like a definite monetary value to the substances which it is proposed to manufacture out of the bark :—

1. At the end of March last there were 158,222 lb. of bark in stock which may be taken to average at least 6 per cent. of the total alkaloids. The whole of this could, during the next twelve months, but not before the end of the present financial year, be converted into febrifuge and which ought to yield about 8,000 lb. Now if the febrifuge be estimated at Rs. 12 per lb., the total amount realized would be Rs. 96,000, that is a sum sufficient to cover the expenses of the current year and to carry forward Rs. 21,000 towards the payment of the expenses of the next year; but whether this sum of Rs. 12 per lb. is too high or too low a figure at which to put the drug, I am not able to say positively, but I hope, and indeed expect, that if the price of the febrifuge is to be measured by the cost of its production, Rs. 12 will be found much too high.

Sale of Seed and Plants.—Under this head only Rs. 167 have been realized up to date, and as I do not expect such a large sum as that which was anticipated, viz., Rs. 1,200, I have reduced the allotment to Rs. 200.

The other items are either what have been actually realized or are small, and as such need no explanation.

5. It is estimated that the following crop will be taken during the current year :—

Estates.	Crown.		Red.		Total.	
	BALES.	LB.	BALES.	LB.	BALES.	LB.
Dodabetta	300	30,000	..	..	300	30,000
Naduvatam	..	..	300	30,000	300	30,000
Pykára	100	10,000	400	40,000	500	40,000
Total ..	400	40,000	700	7,000	1,000	100,000

With reference to the statement of crop given at page 2 of G.O., No. 990, of the 15th November 1886, I beg to state that the entry of 1887-88 therein appears to be a printer's error for 1886-87, as the original in this office has the correct year.

6. *Charges.*—These have been estimated at Rs. 71,300 as against a budget estimate sanctioned in G.O., No. 990, of 15th November 1886, Revenue, of Rs. 77,700, or Rs. 6,400 less than it as detailed thus :—

	RS.
Office and General	3,881
Dodabetta	3,354
Naduvatam	17
Pykára	629
	7,881
Less—	
Excess under the Quinologist's Department	1,481
	6,400

The differences between the revised and the budget estimates are thus explained :—

	RS.	RS.
Revised estimate for 1887-88		71,300
Budget estimate		77,700
Increase under—		
Manure	1,521	
Printing	80	
New works	1,000	
Repairs	175	
	2,776	
Quinologist's contingencies	1,500	
		4,276
		81,976
Decrease—		
Salaries	170	
Working charges	1,471	
Nurseries	470	
Collection of crop	4,585	
Carriage of crop	500	
Auction sales	3,461	
Laboratory assistant	19	
		10,676
		71,300

Manure.—The increase under this head is due to the number of the estate cattle having been increased.

New Works.—The additional allotment under this head is necessary in order that a large shed may be built and other material provided for the manufacture of febrifuge at Naduvatam.

Quinologist's Contingencies.—The Rs. 300 provided for Mr. Hooper's contingencies has proved insufficient, and so to provide funds for the rest of the year, as well as to meet the cost of the glycerine and hydrochloric acid, which has been supplied by the Secretary of State, the allotment under this head has been raised to Rs. 1,800 or Rs. 1,500 in excess of that sanctioned.

Working Charges.—The reduction under this head is due to the greater part of the work of renovation of the estates having been finished.

Collection of Crop.—The decrease here is due to its being contemplated to take a less crop this year than in the previous one, and also to its being expected that a large quantity of the bark will be taken under the coppicing system.

Auction Sales.—The decrease under this head is due to its being anticipated that no more auction sales will be held this year.

Budget Estimate of 1888-89—*Receipts.*—During the year, I hope to harvest at least 100,000 lb. of various sorts of bark, and calculating this to yield an average of 6 per cent. of total alkaloids, I shall obtain 4,800 lb. of febrifuge, and this at Rs. 12 per lb. will give, together with the Rs. 24,000 mentioned above, Rs. 81,600. All this, however, depends entirely upon what Government determine they will value the febrifuge at.

Charges.—These have been estimated at Rs. 74,300, being Rs. 3,000 above the revised estimate for the current official year. The differences between the two are thus explained :—

	RS.	RS.
Budget estimate		74,300
Revised estimate		71,300
Increase under—		
Salaries	240	
Establishment	528	
Collection of crop	1,149	
Working charges	65	
Quinologist's Department	4,016	
		5,998
		77,298

		Rs.
Decrease under—		
Nurseries	... ...	200
Manure	... ...	9
New works	... ...	2,000
Repairs	... ...	175
Auction sales	... ...	560
Printing	... ...	75
		Rs. 2,948
		Rs. 74,300

Collection of Crop.—The increase under this head is due to its being intended to take a larger crop next year than in the current year.

Quinologist's Department.—The increase occurs chiefly under "contingencies" and is due to provision having been made to meet the cost of the chemicals which will probably be required for the manufacture of febrifuge during the next year.

New Works.—It is expected that all works connected with setting up the disintegrator will have been finished by the end of the current official year and so a less sum will be required during the next year. The differences under the other heads are trifling and call for no remark.

BUDGET Estimates of Receipts for 1888-89 on account of the Government Cinchona Plantations, Nilgiris.

Particulars.	Actuals for 1886-87.	Average Receipts for Three Years from 1884-85 to 1886-87.	Sanctioned Budget Estimate for 1887-88.	1887-88. Actuals for first Five Months from April to August 1887.	1887-88. Probable Receipts for remaining Seven Months of 1887-88.	1887-88. Total.	Revised Estimate for 1887-88.	Budget Estimate for 1888-89.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Bark sold locally ..	65,810	81,207	76,700	..	..	..	..	..
Bark supplied to Madras Medical department.	1,169	904	1,000	700	..	..	700	1,000
Bark supplied to Bombay Medical department.	1,089	1,048	1,000	800	..	800	800	1,000
Sale of seeds and plants.	1,444	997	1,200	167	33	200	200	200
Percentage of the Fees of the Government Quinologist.	70	240	100	15	25	40	40	40
Miscellaneous ..	81	..	..	202	38	300	300	300
Three-hundred pounds of liquid febrifuge supplied to Medical department.	..	..	..	..	..	..	..	..
Cost of febrifuge † ..	..	..	..	..	..	..	..	..
Total ..	69,603	84,402	80,000	1,944	96	2,040	2,040	2,540

BUDGET Estimate of Expenditure for 1888-89 on account of the Government Cinchona Plantations, Nilgiris.

Particulars.	Actuals for 1886-87.	Average Expenditure for Three Years from 1884-85 to 1886-87.	Sanctioned Budget Estimate for 1887-88.	Actuals for the first Five Months from April to August 1887.	Probable Charges for the remaining Seven Months of 1887-88.	Total for 1887-88.	Revised Estimate for 1887-88.	Budget Estimate for 1888-89.	Numbers. 1887-88.	Numbers. 1888-89.	Explanation of noticeable disproportion between the Actuals of Five Months and the Estimate for the year.
Cinchona Department.						OFFICE AND GENERAL.					
Salaries .. .. Government Botanist and Director.	Rs. 8,300	Rs. 7,568	Rs. 8,620	Rs. 3,580	Rs. 5,040	Rs. 8,620	Rs. 8,620	Rs 8,860	1	1	
Establishment .. Manager	1,270	1,220	1,390	550	840	1,390	1,390	1,510	1	1	
Establishment .. Clerk	600	513	600	250	350	600	600	600	1	1	
Establishment .. Storekeeper	187	146	199	80	119	199	199	211	1	1	
Establishment .. Peons	192	192	192	74	118	192	192	192	2	2	
Establishment .. Head Overseer	..	..	..	..	..	..	..	..	..	..	
Establishment .. Sub-Overseer	..	..	..	..	..	..	..	..	..	..	
Establishment .. Total ..	2,249	2,071	2,381	954	1,427	2,381	2,381	2,513	5	5	
Supplies and Services. Propagation	..	..	..	..	..	..	..	..	..	..	
Supplies and Services. Working charges	..	..	..	..	..	..	..	..	..	..	
Supplies and Services. Manure	..	..	..	..	..	..	..	..	..	..	
Supplies and Services. Collection of crop	..	..	..	..	..	..	..	..	..	..	
Supplies and Services. Carriage of crop	..	..	..	..	..	..	..	..	..	..	
Supplies and Services. Petty construction	981	1,974	500	..	..	..	..	..	..	..	
Supplies and Services. Repairs	..	..	..	..	..	..	..	..	..	..	
Supplies and Services. Repairs	239	145	300	118	182	300	300	300	..	..	
Supplies and Services. Total ..	1,220	1,819	800	118	182	300	300	300	..	..	
Office expenses .. Contingencies	978	1,036	1,000	361	639	1,000	1,000	1,000	..	..	
Office expenses .. Peons' clothing	25	37	25	25	..	25	25	25	..	..	
Office expenses .. Total ..	1,003	1,073	1,025	386	639	1,025	1,025	1,025	..	..	
Stationery and Printing. Printing charges	24	33	20	9	91	100	100	25	..	..	
Allowances .. Travelling allowance	1,414	1,670	1,500	864	636	1,500	1,500	1,500	..	..	
Special charges .. Auction sale	2,494	2,494	4,000	539	..	539	539	..	..	..	
Special charges .. Disintegrator	4,273	4,273	..	..	..	..	..	..	..	..	
Special charges .. Firewood plantation	..	..	..	..	..	..	..	..	..	..	
Special charges .. Unforeseen charges	3,217	5,423	..	..	..	..	..	..	..	..	
Special charges .. Total ..	9,984	12,190	4,000	539	..	539	539	..	..	..	
Total, Cinchona Department ..	24,194	26,424	18,346	6,450	8,015	14,465	14,465	14,223	..	..	

* Value not known. † *Vide* explanatory note.

Budget Estimate of Expenditure for 1888-89 on account of the Government Cinchona Plantations, Nilgiris—*cont.*

Particulars.	Actuals for 1886-87.	Average Expenditure for Three Years from 1884-85 to 1886-87.	Sanctioned Budget Estimate for 1887-88.	Actuals for the first Five Months from April to August 1887.	Probable Charges for the remaining Seven Months of 1887-88.	Total for 1887-88.	Revised Estimate for 1887-88.	Budget Estimate for 1888-89.	Numbers. 1887-88.	Numbers. 1888-89.	Explanation of noticeable disproportion between the Actuals of Five Months and the Estimate for the year.
Quinologist's Department.					OFFICE AND GENERAL—*cont.*						
Salaries .. ..Government Quinologist	Rs. 5,097	Rs. 3,890	Rs. 5,700	Rs. 2,250	Rs. 3,450	Rs. 5,700	Rs. 5,700	Rs. 6,000	1	1	
Establishment ..Laboratory Assistant	84	92	102	34	49	83	83	99	1	1	
Office expenses .. {Rent of Laboratory	610	563	840	350	490	840	840	840	..	..	
{Contingencies	292	292	300	201	1,599	1,800	1,800	5,500	..	..	
Total ..	902	855	1,140	551	2,089	2,640	2,640	6,340	..	..	
Special charge ..Unforeseen charges	450	450	..	..	..	..	..	..	..	..	
Total, Quinologist's Department ..	6,533	5,287	6,942	2,835	5,588	8,423	8,423	12,439	..	..	
Total, Cinchona Plantations ..	30,727	31,711	25,288	9,285	13,603	22,888	22,888	26,662	8	8	

Budget Estimate of Expenditure for 1888-89 on account of the Government Cinchona Plantations, Nilgiris—*cont.*

Particulars.	Actuals for 1886-87.	Average Expenditure for Three Years from 1884-85 to 1886-87.	Sanctioned Budget Estimate for 1887-88.	Actuals for the first Five Months from April to August 1887.	Probable Charges for the remaining Seven Months of 1887-88.	Total for 1887-88.	Rev'sd Estimate for 1887-88.	Budget Estimate for 1888-89.	Numbers. 1887-88.	Numbers. 1888-89.	Explanation of noticeable disproportion between the Actuals of Five Months and the Estimate for the year.
Cinchona Department.					DODABETTA.						
Salaries .. ..Government Botanist and Director.	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	..	..	
Establishment .. {Manager	..	..	..	..	..	..	..	..	..	..	
{Clerk	..	..	..	..	..	..	..	..	..	..	
{Storekeeper	360	388	360	150	210	360	360	360	1	1	
{Peons	187	146	199	80	119	199	199	211	1	1	
{Head Overseer	..	72	..	..	..	..	..	..	..	..	
{Sub-Overseer	1,800	2,215	2,000	750	1,080	1,830	1,830	1,950	1	1	
	600	467	600	250	350	600	600	600	1	1	
Total ..	2,947	3,288	3,159	1,230	1,759	2,989	2,989	3,121	4	4	
Supplies and services. {Propagation	371	681	500	168	212	380	380	400	..	..	
{Working charges	5,124	6,586	6,903	2,199	4,714	6,913	6,904	6,939	..	..	
{Manure	2,967	2,564	1,680	890	1,070	1,960	1,966	1,970	..	..	
{Collection of crop	5,575	5,099	5,590	1,151	1,239	2,370	2,370	3,519	..	..	
{Carriage of crop	..	..	..	..	..	..	..	..	..	..	
{Petty construction	..	609	..	..	..	..	..	..	..	..	
{Repairs	793	469	300	26	149	175	175	200	..	..	
Total ..	14,830	16,008	14,973	4,414	7,384	11,798	11,789	12,128	..	..	
Office expenses .. {Contingencies	..	..	..	..	..	..	..	..	..	..	
{Peons' clothing	..	..	..	..	..	..	..	..	..	..	
Total ..	..	..	..	..	..	..	..	..	..	..	
Stationery and Printing. {Printing charges	..	..	..	..	..	..	..	..	..	..	
Allowances ..Travelling allowance	..	..	..	..	..	..	..	..	..	..	
Special charges .. {Auction sale	..	..	..	..	..	..	..	..	..	..	
{Disintegrator	..	..	..	..	..	..	..	..	..	..	
{Firewood plantation	..	..	..	..	..	..	..	..	..	..	
{Unforeseen charges	..	..	..	..	..	..	..	..	..	..	
Total ..	..	..	..	..	..	..	..	..	..	..	
Total ..	17,777	19,296	18,132	5,644	9,143	14,787	14,778	15,249	4	4	

Budget Estimate of Expenditure for 1888-89 on account of the Government Cinchona Plantations, Nilgiris—*cont.*

Particulars.	Actuals for 1886-87.	Average Expenditure for Three Years from 1884-85 to 1886-87.	Sanctioned Budget Estimate for 1887-88.	Actuals for the first Five Months from April to August 1887.	Probable Charges for the remaining Seven Months of 1887-88.	Total for 1887-88.	Revised Estimate for 1887-88.	Budget Estimate for 1888-89.	Numbers. 1887-88.	Numbers. 1888-89.	Explanation of noticeable disproportion between the Actuals of Five Months and the Estimate for the year.
Cinchona Department.						NADUVATAM.					
Salaries .. Government Botanist and Director.	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	..	..	
Establishment .. Manager	..	..	..	..	..	..	..	..	..	..	
Establishment .. Clerk	..	..	..	..	..	..	..	..	..	..	
Establishment .. Storekeeper	360	388	360	150	210	360	360	360	1	1	
Establishment .. Peons	187	146	199	80	119	199	199	211	1	1	
Establishment .. Head Overseer	..	72	..	..	..	..	..	..	..	..	
Establishment .. Sub-Overseer	1,870	1,714	1,990	800	1,190	1,990	1,990	2,110	1	1	
	600	627	*600*	250	350	600	600	600	1	1	
Total ..	3,017	2,947	3,149	1,280	*1,869*	*3,149*	3,149	3,281	4	4	
Supplies and Services. Propagation	510	918	700	198	152	*350*	*350*	330	..	..	
Supplies and Services. Working charges	8,901	*9,750*	9,000	3,541	4,067	7,608	7,608	9,358	..	..	
Supplies and Services. Manure	3,437	3,244	2,300	1,609	1,811	3,420	3,420	3,390	..	..	
Supplies and Services. Collection of crop	2,166	3,602	2,800	600	1,505	2,105	2,105	2,330	..	..	
Supplies and Services. Carriage of crop	..	..	..	..	..	..	..	..	..	..	
Supplies and Services. Petty construction	..	198	1,000	1,018	*982*	2,000	2,000	..	..	..	
Supplies and Services. Repairs	328	444	500	330	470	800	800	600	..	..	
Total ..	15,342	17,556	16,300	7,296	8,987	16,283	16,283	16,908	..	..	
Office expenses .. Contingencies	..	..	..	..	..	..	..	..	..	..	
Office expenses .. Peons' clothing	..	25	..	..	..	..	..	..	..	..	
Total ..	..	25	..	..	..	..	..	..	..	..	
Stationery and Printing. Printing charges	..	..	..	..	..	..	..	..	..	..	
Allowances .. Travelling allowance	..	..	..	..	..	..	..	..	..	..	
Special charges .. Auction sale	..	..	..	..	..	..	..	..	..	..	
Special charges .. Disintegrator	..	..	..	..	..	..	..	..	..	..	
Special charges .. Firewood plantation	..	..	..	..	..	..	..	..	..	..	
Special charges .. Unforeseen charges	..	429	..	..	..	..	..	..	..	..	
Total ..	..	429	..	..	..	..	..	..	..	..	
Total ..	18,359	20,957	19,449	8,576	10,856	19,432	19,432	19,289	4	4	

Budget Estimate of Expenditure for 1888-89 on account of the Government Cinchona Plantations, Nilgiris—*cont.*

Particulars.	Actuals for 1886-87.	Average Expenditure for Three Years from 1884-85 to 1886-87.	Sanctioned Budget Estimate for 1887-88.	Actuals for the first Five Months from April to August 1887.	Probable Charges for the remaining Seven Months of 1887-88.	Total for 1887-88.	Revised Estimate for 1887-88.	Budget Estimate for 1888-89.	Numbers. 1887-88.	Numbers. 1888-89.	Explanation of noticeable disproportion between the Actuals of Five Months and the Estimate for the year.
Cinchona Department.						PYKARA.					
Salaries .. Government Botanist and Director.	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	Rs. ..	..	..	
Establishment .. Manager	..	..	..	..	..	..	..	..	..	..	
Establishment .. Clerk	..	..	..	..	..	..	..	..	..	..	
Establishment .. Storekeeper	..	..	..	..	..	..	..	..	..	..	
Establishment .. Peons	75	75	185	75	110	185	185	197	1	1	
Establishment .. Head Overseer	..	..	..	..	..	..	..	..	..	..	
Establishment .. Sub-Overseer	1,870	1,248	1,990	800	1,190	1,990	1,990	2,110	1	1	
	600	600	600	250	350	*600*	*600*	600	1	1	
Total ..	2,545	1,923	2,775	1,125	1,650	2,775	2,775	2,907	3	3	
Supplies and Services. Propagation	651	836	700	307	393	700	700	500	..	..	
Supplies and Services. Working charges	10,231	9,824	8,628	4,653	3,885	8,538	8,538	7,728	..	..	
Supplies and Services. Manure	1,105	1,207	718	369	479	848	848	850	..	..	
Supplies and Services. Collection of crop	541	1,048	1,610	822	618	940	940	715	..	..	
Supplies and Services. Carriage of crop	..	..	..	..	..	..	..	..	..	..	
Supplies and Services. Petty construction	250	355	..	..	..	..	..	..	..	..	
Supplies and Services. Repairs	311	228	400	145	255	400	400	400	..	..	
Total ..	13,089	13,498	12,456	5,799	5,628	11,427	11,427	10,193	..	..	
Office expenses .. Contingencies	..	..	..	..	..	..	..	..	..	..	
Office expenses .. Peons' clothing	..	..	..	..	..	..	..	..	..	..	
Total ..	..	..	..	..	..	..	..	..	..	..	
Stationery and Printing. Printing charges	..	..	..	..	..	..	..	..	..	..	
Allowances .. Travelling allowance	..	..	..	..	..	..	..	..	..	..	
Special charges .. Auction sale	..	..	..	..	..	..	..	..	..	..	
Special charges .. Disintegrator	..	..	..	..	..	..	..	..	..	..	
Special charges .. Firewood plantation	..	..	..	..	..	..	..	..	..	..	
Special charges .. Unforeseen charges	..	..	..	..	..	..	..	..	..	..	
Total ..	..	..	..	..	..	..	..	..	..	..	
Total ..	15,634	15,421	14,831	6,924	7,278	14,202	14,202	13,100	3	3	

Budget Estimate of Expenditure for 1888-89 on account of the Government Cinchona Plantations, Nilgiris—*contd.*

Particulars.	Actuals for 1886-87.	Average Expenditure for Three Years from 1884-85 to 1886-87.	Sanctioned Budget Estimate for 1887-88.	Actuals for the first Five Months from April to August 1887.	Probable Charges for the remaining Seven Months of 1887-88.	Total for 1887-88.	Revised Estimate for 1887-88.	Budget Estimate for 1888-89.	Numbers. 1887-88.	Numbers. 1888-89.	Explanation of noticeable disproportion between the Actuals of Five Months and the Estimate for the year.
Cinchona Department.					Total.						
Salaries .. .. Government Botanist and Director	Rs. 5,000	Rs. 5,000	Rs. 5,000	Rs. 2,083	Rs. 2,917	Rs. 5,000	Rs. 5,000	Rs. 5,000	1	1	
Establishment .. Manager	1,200	1,200	1,200	500	700	1,200	1,200	1,200	1	1	
Clerk	1,140	1,200	1,200	475	725	1,200	1,200	1,200	1	1	
Storekeeper	600	600	600	250	350	600	600	600	1	1	
Peons	108	108	108	45	63	108	108	108	2	2	
Head Overseer	4,440	4,177	4,200	1,850	2,550	4,400	4,440	4,440	1	1	
Sub-Overseers	1,800	1,801	1,800	750	1,050	1,800	1,800	1,800	3	3	
Total ..	10,288	10,086	10,108	4,080	5,788	10,108	10,348	10,348	10	10	
Supplies and Services .. Preparation	1,000	2,155	2,000	675	247	1,000	1,000	1,000	..	..	
Working charges	23,000	23,109	24,000	10,000	10,000	20,000	20,000	20,000	..	..	Owing to the chief works in the plantations being stopped during the rains.
Manure	2,000	7,016	5,000	2,000	2,000	4,000	4,000	4,000	..	..	Owing to the press at this work on the Nilgiris being damaged.
Collection of crop	8,000	9,133	10,000	3,333	4,000	7,333	7,333	8,000	..	..	
Carriage of crop	291	1,474	800	..	..	..	1,000	1,000	..	..	Owing to the greater portion of the crop having yet to be taken.
Petty contingencies	200	1,122	1,000	1,000	..	1,000	1,000	1,000	..	..	
Repairs	1,000	1,000	1,000	417	1,000	1,417	1,000	1,000	..	..	
Total ..	35,491	39,851	43,800	17,425	20,247	37,672	37,333	36,000	..	..	
Office expenses .. Contingencies	675	1,026	1,000	625	500	1,125	1,000	1,000	..	..	Owing to the press of the regular work done in the dry season at this time in the year.
Postage	25	62	25	..	25	25	25	25	..	..	
Total ..	1,000	1,088	1,025	625	525	1,150	1,025	1,025	..	..	
Stationery and Printing .. Printing charges	24	83	20	8	81	100	100	84	..	..	
Allowances .. Travelling Allowance	1,414	1,670	1,500	664	836	1,500	1,500	1,500	..	..	
Special charges .. Auction sale	2,404	2,404	4,000	500	..	500	500	..	..	..	
Disinfectator	4,276	4,276	..	..	..	..	..	..	..	..	
Firewood plantation	..	450	..	..	..	..	..	..	..	..	
Unforeseen charges	3,317	5,479	..	..	..	..	..	..	..	..	
Total ..	9,997	12,619	4,000	500	..	500	500	..	..	..	
Total, Cinchona Department ..	73,964	82,068	76,753	27,961	30,376	58,337	58,806	51,977	17	17	

Particulars.	Actuals for 1886-87.	Average Expenditure for Three Years from 1884-85 to 1886-87.	Sanctioned Budget Estimate for 1887-88.	Actuals for the first Five Months from April to August 1887.	Probable Charges for the remaining Seven Months of 1887-88.	Total for 1887-88.	Revised Estimate for 1887-88.	Budget Estimate for 1888-89.	Numbers. 1887-88.	Numbers. 1888-89.	Explanation of noticeable disproportion between the Actuals of Five Months and the Estimate for the year.
Quinologist's Department.					Total—*contd.*						
Salaries .. .. Government Quinologist	Rs. 5,097	Rs. 3,890	Rs. 3,700	Rs. 2,250	Rs. 3,450	Rs. 5,700	Rs. 5,000	Rs. 6,000	1	1	
Establishment .. Laboratory Assistant	84	92	102	34	49	83	83	99	1	1	
Office expenses .. Rent of Laboratory	610	563	840	350	490	840	840	840	..	..	
Contingencies	292	292	300	201	1,599	1,800	1,800	5,000	..	..	Owing to the glycerine and hydrochloric acid supplied by the Secretary of State having yet to be paid for.
Total ..	902	855	1,140	551	2,089	2,640	2,640	5,840	..	..	
Special charges .. Unforeseen charges	450	450	..	..	..	..	..	..	..	..	
Total, Quinologist's Department ..	6,533	5,287	6,942	2,835	5,588	8,423	8,423	12,439	2	2	
Total, Cinchona Plantations ..	82,497	87,385	77,760	30,420	40,859	71,309	71,309	74,309	19	19	

Read—the following letter from M. A. LAWSON, Esq., Government Botanist and Director of Government Cinchona Plantations, Nilgiris, to the Secretary to Government, Revenue Department, dated Ootacamund, 22nd October 1887, No. 52:—

With reference to your official memorandum, No. 260, dated the 20th October 1887, Revenue, I have the honor to point out that this department is making two kinds of febrifuge—

(1) a liquid extract of cinchona.
(2) dry powdered febrifuge.

2. The price of neither of these is as yet settled, but they may be taken approximately at Re. 1 per fluid pound of extract and Rs. 12 per pound of febrifuge.

3. The figures in the explanatory note to the budget relate to the latter kind only and, as stated therein, I have arrived at the price of Rs. 12 per pound by dividing the total cost of the upkeep of the estates and the manufacture of the febrifuge by the number of pounds I expected to obtain from bark already harvested or which will be harvested during the coming year.

4. The apparent discrepancy, an explanation of which is asked for, would seem to be due to the two above-mentioned febrifuges having been confounded together; the liquid febrifuge contains only about 1½ oz. of total alkaloids, while a pound of the dry powder contains 16 oz.

5. It is proposed to make 12,800 lb. of the dry febrifuge in the hope that it may all be sold eventually to the poorer classes of the Madras Presidency who suffer from fever, but whether or no this will be possible in the short space of a year and a half remains to be seen. But if we suppose from prudential financial reasons it will not, it still remains certain that the finished product or febrifuge will with all the charges of manufacture realize more in the open market than the crude bark will do.

6. On account of the above-mentioned considerations, I do not think that any revision of my budget, which was prepared with all the care that the circumstances admitted of, is necessary.

Order—dated 10th November 1887, No. 1061, Revenue.

Miscellaneous.

The following statement shows the actual receipts and expenditure of the Government Cinchona Plantations during the year 1886-87, the sanctioned grant and the revised estimate for 1887-88, and the budget estimate for 1888-89:—

—	Actuals of 1886-87.	Sanctioned Estimate, 1887-88.	Revised Estimate, 1887-88.	Budget Estimate, 1888-89.
	Rs.	Rs.	Rs.	Rs.
Receipts	69,663	80,000	2,040	1,56,140
Charges	82,497	77,700	71,300	74,800

ACTUALS, 1886-87.

2. The receipts during the past year fell short of the revised estimate by Rs. 6,337 owing to a decline in the price of Cinchona barks. There was also a decrease under charges amounting to Rs. 4,503. The variations are explained by the Director.

REVISED ESTIMATE, 1887-88.

3. *Receipts.*—When the budget for the current year was sanctioned it was anticipated that Rs. 76,700 would be realised by sale of Cinchona bark or febrifuge. It has, however, since been decided not to place any of the crude barks on the market for

the present and it is uncertain whether any considerable quantity of the manufactured febrifuge can be disposed of before the close of the current year. No revenue is therefore estimated for on this account. Under "sale of seeds and plants", only Rs. 167 have been realised during the first five months against the sanctioned estimate for the year of Rs. 1,200, and it is not expected that more than a small sum can be obtained from this source during the remaining period. The revised estimate is therefore fixed at Rs. 200. The estimates under other items show small variations and are fixed with reference to the actuals of the first five months: they are approved.

4. *Charges.*—The Director puts down his revised estimate for the current year at Rs. 71,300 against Rs. 77,700 the sanctioned figure. There is an increased provision under the heads "manure," "petty construction and repairs" and "contingencies," while under "working charges" and "collection and carriage of crop" there is a decrease. The variations are explained. The provision made for auction charges has also been struck out as it is not intended to hold any sales during the year.

With his letter, dated 22nd October 1887, No. 49, the Director has forwarded an indent for certain chemicals at an estimated cost of Rs. 1,688. As these articles will, it is expected, be supplied during the year, the necessary provision (Rs. 1,700) will be made under Quinologist's "contingencies." It is probable that a payment of Rs. 2,000 or thereabouts will have to be made to Messrs. Arbuthnot and Co. before the close of the year and provision for this will be made accordingly. This raises the total revised estimate to Rs. 75,000, which is accepted.

5. The Director's proposal to uproot a large part of the "Wood" plantation preparatory to its abandonment is now under the consideration of Government. If it is accepted, a considerable revision of the above estimates for 1887-88 will become necessary.

BUDGET ESTIMATE, 1888-89.

6. *Receipts.*—Mr. Lawson estimates the receipts for 1888-89 at Rs. 1,56,140 as shown below:—

	Rs.
Sale of febrifuge	1,53,600
Bark supplied to Madras Medical Department	1,000
Do. Bombay Medical Department	1,000
Sale of seeds and plants	200
Percentage of the fees of the Government Quinologist	40
Miscellaneous	300
Total ...	1,56,140

The quantity of bark in store at the end of March last was lb. 158,222, and it is anticipated that 100,000 lb. more will be harvested during the current year, making a total of 258,222 lb. The whole of this quantity is estimated to yield 12,800 lb. of dry febrifuge. Mr. Lawson considers that he can find a sale for this quantity during the next year and accordingly estimates the receipts at Rs. 1,53,600, the value of the febrifuge being taken at Rs. 12 per lb.

The total estimate will be accepted at Rs. 1,50,000 and distributed as follows:—

	Rs.
Sale of febrifuge	1,47,460
Supply of bark to Madras Medical Department	1,000
Do. Bombay Medical Department	1,000
Sale of seeds and plants	200
Percentage of fees of the Government Quinologist	40
Miscellaneous	300
Total ...	1,50,000

7. It is observed that in the statement in paragraph 5 of the Director's explanatory note it is proposed to harvest 10,000 lb. of crown bark and 40,000 lb. of red bark at Pykara in 1887-88, but the total is entered as 40,000 lb. and this error has

been carried all through the Director's calculations, the total collection of bark being entered as 100,000 lb. instead of 110,000 lb. The former estimate of yield has, however, been adopted by Government.

8. *Charges.*—The charges during 1888-89 are estimated at Rs. 74,300 or Rs. 700 less than the revised estimate for the current year and Rs. 3,400 less than the sanctioned budget. There is an increase in the provision for salaries of officers and establishment owing to increments of pay falling due during the year. A sum of Rs. 1,149 in excess of the current year's revised estimate is provided under collection of crop, as it is intended to gather more bark than in the current year. The estimate is, however, less than the actuals of 1886-87 by Rs. 1,718. Under "contingencies" for the Quinologist's Department, Rs. 5,500 are provided in order to meet the expenditure for chemicals required in the manufacture of febrifuge. Out of this sum, the Director proposed to meet the cost of the articles indented for in his letter, dated 22nd October 1887, No. 49, but as the charge has been ordered to be debited against the current year's budget, the estimate for 1888-89 will be reduced by that amount (Rs. 1,700). The other items of the estimate call for no remarks. The budget of charges is passed for Rs. 72,600.

(True Extract.)

(Signed) J. F. PRICE,
Secretary to Government.

To the Government Botanist.
" the Accountant-General.
" the Financial Department.

Exd. W. H. French.

45 Copies.

Original

Govt. of {1887} Madras.

REVENUE.

Issued

Recd. *Encl.*

G.O., 10th November 1887, No. 1061.

NOVEMBER.

Budget Estimate.

Passing orders on the — of the Government Cinchona Plantations for 1888-89.

Explanatory Note on the Budget Estimates of the Government Cinchona Plantations & Febrifuge for the official year 1888-89.

Actuals for 1886-87. Receipts. As G.O. No. 990 of the 15th November 1886—Revenue—Government sanctioned a revised Budget Estimate for the year of £ 76,000 and expressed this anticipated sum, an amount of £ 69663 only was actually realized or £ 6337 less than was originally expected to be received and £ 2,233 below what was obtained during the year before. This falling off is due to lower prices having been obtained for the bark than was expected when the budget was framed i.e. the rate for the obtained this year being 0.12.4 instead of 0.14.0 in the previous year's Charges. These amounted to £ 82497 as against an estimated sum of £ 87000 or thus showing a saving of £ 4503.

The differences between the two are explained

as follows:—

Budget Estimate			£87000
Actuals		£82497	
Decrease under			
Nurseries	498		
Working Charges	3019		
Collection of Crop	2068		
New Works	750		
Repairs	1329		
Auction Sales	1506		
Livestock	727		
Other Heads	337	10254	
		92751	
Increase under			
Manure	2501		
Kelson & Co	3217		
Other Heads	33	5751	87,000

In accordance with the wishes of Government conveyed in Corp. letter of 16th October 1885- Revenue - the chief variations are thus explained:—

Working Charges The decrease of £3017 under this head is due to the general supervision of the Estates having still further improved and to every effort having been made to keep all unnecessary expenditure down as much as possible.

Collection of Crop. The saving here of £263 is due to the economising system of harvesting having been largely employed in collecting the year's crop.

Repairs The expenditure under this head fell short of the estimate by £1329 chiefly on account of much old material having been used instead of purchasing new.

Auction Sales The saving in this case is due to a reduction having been effected in advertisement charges by reducing the number of newspapers in which the Auction Sales were advertised and also to less stock having been sold than was originally intended and which therefore caused a reduction in all charges connected with the Sales.

Manure

Quinine The excess under this head over the Budget allotment is due to large Manufacturing operations having been carried out on all the Estates and to a large number of cattle having to be fed.

Wilson & Co's Compensation This was the sum paid to Wilson & Co as Compensation under G.O. No. 1979 dated 29th March 1897

Revenue - was paid out of general savings

Revised Estimate for 1897-98. Rs. 61.

In estimating the receipts for the current and the next year I must ask to be allowed to give Government information on this head as follows instead of in the usual form as I am unable to give anything like a definite monetary value to the substances which it is proposed to manufacture out of the bark.

1. At the end of March last there were 1,58,222 lbs of bark in stock which may be taken to average at least 6 per cent of the total alkaloids. The whole of this could during the next twelve months, but not before the end of the present financial year be converted into febrifuge and which ought to yield about one rupee. Now if the febrifuge be estimated at Rs 12 per lb the total amount realized would be 96,000 Rs that is a sum sufficient to cover the expenses of the current year and to carry forward Rs 24,000 towards the Interest of the expenses of the next year but whether this sum of Rs 12 per lb is too high or too low a figure at which to put the drug, I am not able to say positively, but I hope and indeed expect that if the price of the febrifuge is to be measured by the cost of its production, Rs 12 will be found much too high.

Sale of Seed and Plants. Under this head only Rs 167 have been realized up to date and as I do not expect such a large sum as

as that, which was authorized, viz
Rs 1200 I have reduced the allotment
to Rs 200.

The other items are either what-
have been actually realized or are small,
and as such need no explanation.

It is estimated that the
following Crops will be taken during
the current year.

Estates	Crown Rent		Rent		Total	
	Bales	Rs	Bales	Rs	Bales	Rs
Kodakatta	300	30,000	"	"	300	30,000
Nadumattam	"	"	300	30,000	300	30,000
Pykara	100	10,000	400	40,000	400	40,000
	400	40,000	700	70,000	1000	100,000

With reference to the
Statement of Crops given at page 2 of Gl
Page of the 15th November 1886 I beg to state
that the outlay of 1887-88 therein appears to
be a printers error for 1886-87 as the original
in the office has the correct year.

Charges These have been estimated at
Rs 71,300 as against the Budget Estimate
sanctioned in G.O. No 990 of 15 November 1886
Rupees of Rs 77700 or of 6400 less than
it as detailed thus:—

Office and General	Rs 3581	
Kodakatta	3357	
Nadumattam	17	
Pykara	629	
	7584	
Less		
Excess under the Cinchona Department	1481	
		6400

The differences between the
Revised and the Budget Estimates are thus
explained:—

Revised Estimate for 1887-88		Rs 71,300
Budget Estimate	Rs 77700	
Increase under		
Manure	Rs 1521	
Printing	80	
Miscellaneous	100	
Rebates	175	
	2776	
Decrease under		
Cinchona	1500	1276
		81976
Decrease		
Salaries	170	
Working Charges	1471	
Miscellaneous	270	
Collection of Crops	1585	
Carriage of Crops	500	
Auction Sales	3461	
Laboratory Assistant	19	10676
		71300

Charges

Increase. The increase under this head is due to the number of the estate Cattle having been increased.

New Works. The additional estimate under this head is necessary in order that a large Shed may be built and other material provided for the manufacture of febrifuge at Nadeundora.

Veterinary Contingencies. The Rs 300 provided for the Veterinary Contingencies has proved insufficient and Rs 500 more provide funds for the rest of the year, as well as to meet the cost of the glycerine and hydrochloric acid which has been supplied by the Secretary of State, the estimate under this head has been raised to Rs 1800 or Rs 1500 in excess of that sanctioned.

Veterinary Charges. The reduction under this head is due to the greater part of the work of renovation of the estates having been finished.

Collection

Collection of Cinc. The decrease here is due to its being contemplated to take less crop this year than in the previous one and also to its being expected that a large quantity of the bark will be taken under the Cultivation System.

Auction Sales. The decrease under this head is due to its being anticipated that no more Auction Sales will be held this year.

Budget Estimate of 1888-89. Receipts.

During the year I hope to harvest at least 1,00,000 lbs of various sorts of bark and calculating this to yield an average of 2% per cent of total alkaloids I shall obtain 2,000 lbs of febrifuge and this at Rs 12 per lb will give together with the Rs 24,000 mentioned above Rs 48,000. All this however depends entirely upon what Government determine they will reduce the febrifuge at.

Charges.

Charges. These have been estimated at Rs 74300 being Rs 3000 above the Revised Estimate for the current official year. The differences between the two are thus explained.—

Budget estimate Rs 74300

Revised Estimate Rs 71,300

Increase under.

Salaries	240	
Establishment	528	
Collection of Crop	1149	+
Working Charges	65	
Entomologists Department	4016	5998
		7914

Decrease under

Nurseries	20	
Manure	9	
New Works	2000	+
Repairs	175	
Machine Sales	539	
Printing	75	2918 Rs 74300

Collection of Crop. The increase under this head is due to it being intended to take a larger Crop next year than in the current year.

Entomologists Department. The increase occurs chiefly under "Contingencies" and is due to provision having been made to meet the cost of the chemicals which will probably be required for the manufacture of febrifuge during the next year.

New Works. It is expected that all work connected with setting up the disintegrator will have been finished by the end of the current official year and so no sum will be required during the next year. The differences under the other heads are trifling and call for no remark.

W. A. Lawson
Govt Botanist and Director

No 8

Enclosure to Letter from
the Govt Botanist Ceylon
Cinchona Plantations Nilgiris
to the Secretary to Government
Revenue Department Ootacamund
No 26 dated 30th September 1884

Explanatory
Note on the Budget Estimates
of the Government Cinchona
Plantations Nilgiris for
the official year 1885-86

No 1

Enclosure to Letter from the Lord Lieutenant and Members of the Governor's Executive Council to the Secretary to Government Revenue Department Calcutta dt 31 day of August 1857

Budget Estimate of Receipts for 1858-59 on account of the Government Collections Receipts

Estimate of receipts and disbursements for the months of July August and September for the years

5

31

Punjab

Punjab Education

Secretariat

Secretariat Establishment

Inspection Establishment

Schools and Colleges

Education Buildings

Special Charges

Special Charges

Special Charges

Special Charges

Total Education Punjab

Director of Public Instruction
Punjab
30th September 1884

16

Punjab Abstract

Revised Estimate for 1883-84	Budget Estimate for 1884-85	Number	Scale

Statement showing the Revised Estimate for 1883-84, the Estimate for 1884-85 and the Estimate for the year.

8,650	8560	1	1
1390	1510	1	1
600	600	1	1
199	211	1	1
192	192	3	3
9331	9513	5	5
300	300		
300	300		
1000	1000		
25	25		
1056	1056		
100	95		
1600	1600		
539			
530			
14,463	14,393		
5,700	6,000	1	1
33	99	1	
5,442	8410		
5,000	5,500		
3,040	6340		
2,393	2,439		
23,588	24,088	8	8

31

Budget Estimate of Expenditure

Parliamentary

Departments

360	188	360	150	360			
187	146	199	50	199			
	72						
1800	2515	2200	300	2200			
600	467	600	150	600			
2947	3288	3150	1500	3599			
371	681	500	175	525			
5134	6586	6943	2100	6943			
2967	3564	4280	975	4275			
5575	7009	5590	1131	5590			
	600						
793	450	500	250	500			
14836	16408	16972	6831	16972			

Estimates of Revenue

Revised Estimate for 1892-93	Budget Estimate for 1893-94	Number	Explanation of Increase or Decrease compared with Revised Estimate for the year.
360	360	1	
199	211	1	
1800	1950	1	
600	600	1	
2959	3121	4	
380	400		
6943	6943		
4275	4275		
5590	5590		
16972	17209		

12

4 5 6 16

Budget Estimate for 1888-89

Nebraska

360	708	360	40	320				
187	146	99	50	149				
-	22	-	-	-				
1870	1744	1000	800	1800				
600	607	600	350	950				
3017	2047	2119	1239	3358				
510	918	700	100	800				
8901	9150	5000	3391	8391				
3427	3946	2300	1100	3400				
2166	3004	2500	600	3100				
-	-	-	-	-				
-	298	1000	100	1100				
328	644	500	200	700				
15342	17556	15218	7330	22548				
-	22	-	-	-				
-	119	-	-	-				
18359	20987	19869	10470	30339				

Nebraska

Requested Estimate for 1887-88

Budget Estimate for 1888-89

Number of Acres

Estimate of Receipts from Sales of Lands for the Fiscal Year ending June 30th 1888

360	360	1	1
99	240	1	1
-	-	-	-
1990	2110	1	1
600	600	1	1
3049	3310	4	4
510	510	-	-
8901	8901	-	-
3427	3427	-	-
2166	3000	-	-
-	-	-	-
298	298	-	-
328	328	-	-
15342	15342	-	-
-	-	-	-
-	-	-	-
18359	19389	4	4

705

13

Rutgers College Library of Law

Parkinson

Printed Edition for 1900-01	Ruled Edition for 1901-02	Number of Pages	Explanation of Additions to Printed Edition, Deletions, &c.

Budget Estimate of Expenditure

Statement showing the Estimated Receipts and Expenditure from Revenue, for the year ended 30th June 1889, and the Estimates for the year ended 30th June 1890.

Receipts 1887-88	Estimate 1888-89	Receipts 1888-89 to 31st March	Estimate 1889-90
£	£	£	£
1,370	1,370	1,000	1,000
1,020	1,020	750	1,000
780	780	600	780
192	192	192	192
5,400	6,000	4,500	6,000
1,200	1,200	1,000	1,200
11,962	11,962	8,042	11,962
14,250	14,250	10,000	14,250
25,000	30,000	20,000	30,000
5,000	6,000	4,000	6,000
24,750	24,000	18,000	24,000
3,000	3,000	2,000	3,000
1,500	1,500	1,000	1,500
37,000	37,000	25,000	37,000
1,000	1,000	750	1,000
1,125	1,125	750	1,125
1,000	1,000	750	1,000
1,000	1,000	750	1,000
500	500	500	500
30	30	30	30
1	1	1	1
500	500	500	500
1,000	1,000	1,000	1,000
2,000	2,000	1,500	2,000
1,000	1,000	1,000	1,000
1,000	1,000	1,000	1,000
1,000	1,000	1,000	1

Budget Estimate of Expenditure

Particulars

Particulars

Amount of Budget Estimate for 1919-20

Budget Estimate for 1920-21

Variation

Explanation of variation in the Budget Estimate for 1920-21 as compared with the Budget Estimate of the preceding year and the Revised Estimate of the year.

40 A

Schedule for 1888-89 as recommended by the Finance Sub Committee

Schedule for 1886-87	Amount sanctioned for the year 1886-87	Amount sanctioned for 1887-88	Actuals for the year 1887-88	Probable Charges for the remainder of the year 1888-89	Total Col 4 & 5 1888-89.
					93
		Officers and Sample C			
8300 ..	7369 ..	8630 ..	3550 ..	5040 ..	8630 ..
1420 ..	1221 ..	1390 ..	550 ..	840 ..	1390 ..
800 ..	573 ..	600 ..	250 ..	350 ..	600 ..
187 ..	144 ..	199 ..	80 ..	119 ..	199 ..
192 ..	199 ..	192 ..	74 ..	118 ..	192 ..
.. ..	.. ..	.. ..	.. ..	.. ..	.. ..
.. ..	.. ..	.. ..	.. ..	.. ..	.. ..
2240 ..	2071 ..	2381 ..	954 ..	1427 ..	2381 ..
.. ..	.. ..	.. ..	.. ..	.. ..	.. ..
.. ..	.. ..	.. ..	.. ..	.. ..	.. ..
.. ..	.. ..	.. ..	.. ..	.. ..	.. ..
.. ..	.. ..	.. ..	.. ..	.. ..	.. ..
981 ..	1674 ..	500 ..	.. ..	.. ..	.. ..
.. ..	.. ..	.. ..	.. ..	.. ..	.. ..
220 ..	185 ..	180 ..	118 ..	182 ..	300 ..
1840 ..	1819 ..	800 ..	115 ..	185 ..	300 ..
978 ..	1026 ..	1000 ..	360 ..	630 ..	1000 ..
95 ..	87 ..	95 ..	25 ..	.. ..	95 ..
1093 ..	1892 ..	1023 ..	386 ..	630 ..	1023 ..
40 ..	32 ..	50 ..	9 ..	91 ..	100 ..
1210 ..	1670 ..	1500 ..	564 ..	636 ..	1500 ..
3200 ..	3204 ..	4000 ..	530 ..	.. ..	5309 ..
1093 ..	4273 ..	.. ..	.. ..	.. ..	.. ..
.. ..	.. ..	.. ..	.. ..	.. ..	.. ..
.. ..	.. ..	.. ..	.. ..	.. ..	.. ..
3000 ..	5223 ..	.. ..	.. ..	.. ..	.. ..
1000 ..	2496 ..	3500 ..	550 ..	.. ..	3500 ..
2700 ..	26224 ..	18346 ..	6450 ..	8015 ..	14465 ..
5000 ..	5394 ..	5700 ..	2250 ..	3450 ..	5700 ..
50 ..	42 ..	105 ..	34 ..	49 ..	83 ..
640 ..	663 ..	840 ..	330 ..	400 ..	840 ..
500 ..	393 ..	500 ..	201 ..	299 ..	500 ..
42 ..	523 ..	42 ..	55 ..	2180 ..	2235 ..
467 ..	450 ..	.. ..	.. ..	.. ..	.. ..
25533 ..	32.5 ..	30142 ..	8335 ..	5588 ..	8423 ..
30727 ..	31711 ..	35288 ..	9285 ..	13603 ..	22888 ..

No 2.

Enclosure to Colonial Secretary's Circular Confidential Despatch of 30th October 1877

Extract from Report of Government Botanist and Director of Cinchona Plantations to the Secretary to Government Revenue Department dated 5th October 1877

Re increasing the length of the Cinchona Plantations for to enable the forthcoming crop to exceed a revenue of Rs 70,000 from sale of Cinchona bark or of febrifuge manufactured by the Government.

In the annexed estimate now submitted for Lawson makes no provision under this head: he does not expect that any febrifuge is likely to be manufactured before the close of the current year, nor does he consider it advisable to place any barks on the market for sale. The quantity of bark in store at the end of March last was 158,222 lbs and about 50,000 lbs are expected to be cropped during this year. The whole quantity of bark is estimated to yield about 12,800 lbs of febrifuge. It is not understood how this is calculated. In the Statement for

in Sec. of 25-1-86 No 85
it will be observed that Powder
of Quebracho yielded 5·85 lbs of the
liquid extract. There is also a
discrepancy in the estimated
price. Mr Lawson takes a
lbs to sell for 12 ds. From the
statement mentioned above the
cost price appears to be about
ds 1/8.

It is also a question for
consideration whether the output
of the 252,000 lbs of Quebracho should
be manufactured. In his letter
recorded in Sec. of 8th Nov. 1886
No 6786, the Surgeon General
estimated the annual demand
at 3,000 lbs. It would
seem desirable to limit the
present manufacture to say 1,000
and when this is disposed of
the quantity that should thereafter
be manufactured may be
determined.

The price to be fixed
on the principle to be acted
upon which has been reported.

Object is considered undesirable
to manufacture all the
bark, should any portion be
sold? In this connection please
see Secretary's remarks in Sec of
23-1-87 No 322.

1
150

No. 36

Director's Office,
Peradeniya, 30th September 1889.

From

H. A. Lawson Esq.
Superintendent and
Director of Gardens and
Cinchona Plantations
Nuwara Eliya

To

The Secretary to Government
Revenue Department
Peradeniya

Sir,

I have the honor
to forward the Budget Estimate
of the Government Cinchona Plantations
and Botanical Gardens and
Parks, Nuwara Eliya for the year 1889-90.

I have the honor to be
Sir,
Your most Obt. Servant

H. A. Lawson

Supt. Gardens and Grounds

Revenue Dept.

Revenue (1887) Cuchons

No 7903

RECEIVED
21 OCT 87
REVENUE DEPARTMENT

From The Assistant Secretary
Govt Botanical and Forestry
Cinchona Plantations
Nilgiris

To The Secretary to Government
Revenue Department
Ootacamund

Sir

Reference
Copy of Correspondence
Ryotwar Cess

Enclosures Letter No 1887

Subject

Budget Estimate for Fasli 1297

Forwarding the ——
of the Seventh Quinchona
Plantations and Botanical
Gardens and Forest Office.

C8/10.
R 10/11

No 52 Secrett. Office
Ootacamund 22 October 1887.

From

C. B. & Lawson Esq
Offg Asstt Secretary and
Secretary to Government
Cinchona Plantations
Nilgiris

To

The Secretary to Government
Revenue Department
Fort St George.

Sir,

With reference to your Office Proceedings No 1200 dated the 20th October 1887 Revenue Department I have the honor to forward herewith the Operations in Working Cinchona Ryots of February

(1) Original Estimate of Cinchona
(2) Ryotwar Estimate of February

2. The prices of receipts of Bark in the year marked, and the Duty to be taken thereon are as follows

at Rupee 1 per pound the of Sec. Quality, and Rs 12 per lb the of February.

3. The figures in the Ryotwar note to the Budget relate

to the Lutter Kundrup, and as stated therein I have arrived at the price of £12 per lb. by dividing the total cost of the upkeep of the Estate and the Manufacture of the febrifuge by the number of lbs. expected to obtain from bark already harvested or which will be harvested during the coming year.

4. The apparent discrepancy in explanation of which is asked for, would seem to be due to the two above Professors febrifuges having been confounded together, the liquid febrifuge containing only about 1/2 % of total alkaloids, while 4 % of the dry powder contains 16 %.

5. It is proposed to make 12,000 lbs of the dry febrifuge in the hope that it may all be sold annually & the poorer classes of the Madras Presidency who suffer from fever, both whether or no they will be provided in

in the short space of a year & a half remains to be seen. But if we suppose from previous financial reasons, it will work it still remains certain that the finished product or febrifuge will with all the charges of manufacture realize more in the open market, than the crude bark will do.

6. On account of the above mentioned considerations, I do not think the Company interests of my Budget, which am prepared with all the care that the circumstances admitted of, is necessary.

I have the honor to be
Sir
Your most obedient
M. L. Lawson
Lt Governor and
Director

[illegible]

16

Revenue Dept.

Revenue (1887) Cinchona

No. 8658

GOVERNMENT OF MADRAS
24 OCT 87
RECEIVED
SECRETARIAT

From
The Lieut. Colonel and Deputy
Cinchona Director
Nilgiris

To
The Secretary to Government
Revenue Department
Fort St. George

No. 52

Dated 22nd October 1887
Rd 24

Cinchona.

Subject

Cinchona Febrifuge

Explaining certain points connected with the quantity of the product of a given quantity of bark and the price of — in connection with the explanatory note on the Budget Estimate for 1888-89.

C. 8/11
R. 12/11

Mr. Smith
Mr. Lawrence
Mr. Ellis
Mr. Hudson
Mr. Hudson
Mr. Hudson

C 8/11

Revenue Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read C. No. 7903 and 8658.

Ordered No 1061 dt 10/11.

The following statement shows the actual receipts & expenditure of the Govt Cinchona Plantations during the year 1886-87, the sanctioned budget and the proposed revised estimate for 1887-88 and the budget estimate for 1888-89.

	Actuals 1886-87 Rs	Sanctioned estimate 1887-88 Rs	Revised estimate 1887-88 Rs	Budget estimate 1888-89 Rs
Receipts	69663	80000	2000	156400
Charges.	82497	77700	71300	74300

The budget of charges for the current year was fixed at Rs 77,700 in Fin. G 15th Nov. 1886 No 990, but this has been reduced at Rs 71300 by amending the

figures in the estimate.

2. Arrears 1886-87 — The receipts during the past year fell short of the revised estimate by Rs 6337 owing to a decline in the price of cinchona barks there were also a decrease in the charges amounting to Rs 4503. The variations are explained by the Director.

3. Revised estimate 1887-88 Receipts. When the budget for the current year was sanctioned it was anticipated that Rs 76,700 would be realized by sale of cinchona bark or febrifuge. It has however been decided that not to place any of the crude barks on the market for the present and it is uncertain whether ~~the Director thinks that the~~ manufactured febrifuge can be disposed of before the close of the current year

the revenue at present estimated for on this account. Under "Sale of Seeds & plants" only Rs 167 have been realized during the first five months of the year against the same estimate for the year of Rs 1200, and it is not expected that more than a small sum can be obtained from this source during the remaining period. The revised estimate is therefore fixed at Rs 200. The estimates under other items show small variations and are fixed with reference to the actuals of the first five months ~~the estimates~~ are approved.

4. 2- charges. The Director puts down his revised estimate of for the current year at Rs 71300 against Rs 77,500 the same revised figure. There is an increased provision under the heads "Manure", "Petty Construction & repairs" and "Contingencies", while under "working charges" and "Collection

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read

and carriage of cargo" thus do not
[illegible] the maintaining area.
explained. The provision made
for meeting charges has also
been obtained out accruing on ship duties
without duty
maintained to the end by drawing the
year.

with his letter dated 22nd ultimo
[illegible], the Director has forwarded
an indent for certain artificial chemicals
[illegible]
at a cost of Rs 1600. As these articles
[illegible]
will be required during
the year the necessary provision
(Rs 1700) will be made under
Miscellaneous Contingencies. This raises
the total estimate to Rs 73 000 which
is accepted.

5. The director's proposal to uproot a large part of the "B" and "C" Plantations preparatory to its abandonment is now under the consideration of Govt. If this is accepted a considerable revision of the above estimates for 1887-8 will become necessary.

6. Budget estimate 1888-89.

Receipts - Mr Lawson estimates the receipts for 1888-89 at Rs 156 160 as shown below:—

	Rs
Sale of febrifuge.	153 [illegible]
Bark despatched to	
Madras Medical Dept	1,000
" Bombay Med[ical] Dept	1,000
Sale of seeds & plants.	200
Percentage on the pice of 3 for the post Government. 5.	260.
Miscellaneous.	300
	156 160

The quantity of bark in store at the end of March last was lbs 158 222 and 1/2 lbs more are [illegible] during the current year, making a total of 258 222 lbs. The whole of this quantity is estimated to yield 12 800 lbs of dry febrifuge. Mr Lawson considers that he can find a sale for this quantity during the next year and accordingly estimates the receipts at Rs 153 600 at

being taken at 12/12

Mr. Ker the. Mr has also forwarded Rs 1000 as the value of the stock of the dispensary to the Madras Medical Department.

It is doubtful whether that Department will require any crude drugs when the cascara sagrada factory is available. The total estimate will be accepted at 150000 and distributed as follows:—

Sale of febrifuge	Rs	
Supply of stock to Madras Medical Depot	}	140000
Supply of stock to Bombay Medical Depot		1000
Sale of seeds & plants		200
Percentage of fees of the Forest Quinologist —		40.
Miscellaneous.		300
		150000

(Vide paras 97 last and)

Charges. — The charges during 1888-89 are estimated at Rs 74300 or Rs 1300 in excess of the revised estimate for the current year and Rs 2300 less than the sanctioned

(68)

estimate. There is an increase in the provision for salaries of offices and establishments owing to increments of pay falling due during the year. A sum of Rs 1100 in excess of the current year's revised estimate is provided under Collection of crops, as it is intended to collect more bark from in the current year. The estimate is, however, less than the actuals of 1886-87 by Rs 1718. Under Contingencies for the Quinologist Dept, Rs 6500 are provided in order to meet the expenditure for chemicals required in the manufacture of febrifuge. The Rest of this sum, the Director proposed to meet the cost of the articles indented for in his letter 2nd cited by Rs 469 leaving as these charges have been ordered to be debited to the Forest

current years budget the estimate for 1888-89 will be reduced by that amount (of Rs 1,700). The other items of the estimate call for no remarks. The budget of charges is framed for Rs 32,600.

7. This statement is the detailed in para 8 of the Director's Report to which is appended to likewise 18,000 lbs of Cinnamon bark and 4,000 lbs of Tea bark as against in 1887-8, but the total is entered as 4,000 lbs of this Manufacture as carried all through the Director's calculations, the total collection of bark being entered as 18,000 lbs instead of 110,000 lbs. The former estimate of yield has, however, been adopted by Govt.

R.M.S. 2/11. 7/11.

8. The Govt Botanist
9. " Asst "
10. " Tea Expert

Bdh. 12-11

Printing urgent
10/11

Recd 10 Nov