M.R.O. 1—77,004—8-6-37.

(1) Number of pages 1 - 60

(2) Date of repair 12-9-38

(3) Initials of the Referencer

MADRAS RECORD OFFICE.

Government of Madras.

Revenue DEPARTMENT.

G.O. No. 1116 Press / Mis.—

Dated 23-11- 1891.

Not to be folded or roughly handled

GOVERNMENT OF MADRAS.

REVENUE DEPARTMENT.

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, 28th September 1891, No. 50:—

I have the honour to forward the budget estimates of the Government Cinchona Plantations, Nilgiris, for the year 1892-93.

ENCLOSURES.

BUDGET ESTIMATE of Receipts for 1892-93 on account of the Government Cinchona Plantations, Nilgiris.

Particulars.	Actuals for 1890-91.	Average receipts for three years from 1888-89 to 1890-91.	Sanctioned budget estimate for 1891-92.	Actuals for the first five months of 1891-92.	Probable receipts for the remaining seven months of 1891-92.	Total for 1891-92.	Revised estimate for 1891-92.	Budget estimate for 1892-93.
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Bark supplied to the Madras Medical Department.	255	292	500	255	..	255	255	250
Bark supplied to the Bombay Medical Department.	360	225	500	..	400	400	400	400
Bark supplied to private parties and Mysore Durbar	221	166	..	463	37	500	500	500
Sale of seed and plants ..	30	139	200	68	32	100	100	100
Percentage of the fees of the Government Quinologist.	37	33	100	2	43	45	45	50
Miscellaneous	438	545	300	315	185	500	500	500
Value of febrifuge supplied to Madras Medical Department.	2,800	1,955	5,000	13,017	2,983	16,000	16,000	16,000
Value of febrifuge supplied to Government and private parties, &c.	..	860						
Quinine	24,735	8,424	53,400	23,667	19,133	42,800	42,800	42,800
Total ..	28,876	12,639	60,000	37,787	22,813	60,600	60,600	60,600

OOTACAMUND,
28th September 1891.

(Signed) M. A. LAWSON,
Government Botanist and Director.

BUDGET ESTIMATE of Expenditure for 1892-93 on account of the Government Cinchona Plantations, Nilgiris.

Particulars.	Number. 1891-92.	Number. 1892-93.	Actuals for 1890-91.	Average expenditure for 3 years from 1888-89 to 1890-91.	Sanctioned budget estimate for 1891-92.	Actuals for the first five months from April to August 1891.	Probable charge for the remaining seven months of 1891-92.	Total.	Revised estimate for 1891-92.	Budget estimate for 1892-93.	Remarks.
HEAD OFFICE AND GENERAL			Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Cinchona Department.											
Salaries .. .. Government Botanist and Director.	1	1	9,340	9,100	9,580	3,980	5,600	9,580	9,580	9,600	
Permanent establishment. Manager	1	1	1,750	1,630	1,800	750	1,050	1,800	1,800	1,800	
Clerk	1	1	600	598	600	250	350	600	600	600	
Storekeeper	1	1	235	223	240	60	180	240	240	240	
Peon	1	1	96	104	96	40	56	96	96	96	
Superintendent	..	..	..	..	..	..	..	..	..	..	
Sub-Overseer	..	..	..	..	..	..	..	..	..	..	
Total ..	4	4	2,681	2,555	2,736	1,100	1,636	2,736	2,736	2,736	
Temporary establishment. Maistries	..	..	..	..	..	..	..	..	..	..	
Supplies and services. Propagation	..	..	..	..	..	..	..	..	..	..	
Working charges	..	..	..	..	..	..	..	..	..	..	
Manure	..	..	..	..	..	..	..	..	..	..	
Collection of crop	..	..	..	..	..	..	..	..	..	..	
Repairs	..	..	199	250	300	..	..	..	..	300	
New works	..	..	..	..	..	..	..	..	..	..	
Factory	..	..	..	..	..	..	..	..	..	..	
Total ..	..	..	199	250	300	..	..	..	..	300	
Office expenses .. Contingencies	..	..	700	741	700	101	599	700	700	700	
Peons' clothing	..	..	12	16	12	12	..	12	12	12	
Total ..	..	..	712	757	712	113	599	712	712	712	
Stationery and printing. Printing charges	..	..	35	24	40	13	27	40	40	40	
Allowances .. Travelling allowance	..	..	1,500	1,492	1,500	820	680	1,500	1,500	1,500	
Total, Cinchona Department ..	5	5	14,467	14,178	14,868	6,026	8,542	14,568	14,568	14,888	
Quinologist's Department.											
Salaries .. .. Government Quinologist	1	1	6,000	6,000	6,000	2,500	3,500	6,000	6,000	6,000	
Permanent establishment. Laboratory Assistant	1	1	133	115	151	61	90	151	151	169	
Temporary establishment. Factory Overseer	1	1	590	197	..	375	525	900	900	900	
Office expenses .. Rent of laboratory	..	..	600	760	600	250	350	600	600	600	
Contingencies	..	..	11,046	8,057	9,000	6,966	8,034	15,000	15,000	11,500	
Total ..	..	..	11,646	8,817	9,600	7,216	8,384	15,600	15,600	12,100	
Total, Quinologist's Department ..	3	3	18,369	15,129	15,751	10,152	12,499	22,651	22,651	19,169	
Total, Cinchona Plantations ..	8	8	32,836	29,307	30,619	16,178	21,041	37,219	37,219	34,057	

Budget Estimate of Expenditure for 1892-93 on account of the Government Cinchona Plantations, Nilgiris—*cont.*

Particulars.	Number. 1891-92.	Number. 1892-93.	Actuals for 1890-91.	Average expenditure for 3 years from 1888-89 to 1890-91.	Sanctioned budget estimate for 1891-92.	Actuals for the first five months from April to August 1891.	Probable charge for the remaining seven months of 1891-92.	Total.	Revised estimate for 1891-92.	Budget estimate for 1892-93.	Remarks.
DODABETTA.			Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Cinchona Department.											
Salaries .. .. Government Botanist and Director.	..	..	..	..	..	..	..	..	..	..	
Permanent establishment. Manager	..	..	..	180	..	..	..	..	..	..	
Clerk	1	1	235	223	240	100	140	240	240	240	
Storekeeper	..	..	..	..	..	..	..	..	..	..	
Peon	1	1	2,190	2,070	2,310	950	1,360	2,310	2,310	2,400	
Superintendent	1	1	600	600	600	250	350	600	600	600	
Sub-Overseer	..	..	..	..	..	..	..	..	..	..	
Total ..	3	3	3,025	3,073	3,150	1,300	1,850	3,150	3,150	3,240	
Temporary establishment. Maistries	3	3	..	..	..	210	294	504	504	504	at Rs. 17,13 and 12.
Supplies and services. Propagation	..	..	322	374	400	111	214	325	325	400	
Working charges	..	..	5,039	5,427	5,900	4,250	2,235	6,485	6,485	5,044	
Manure	..	..	2,764	2,503	2,220	1,104	882	1,986	1,986	2,400	
Collection of crop	..	..	2,592	2,111	3,000	97	103	200	200	3,000	
Repairs	..	..	180	164	200	188	..	188	188	200	
New works	..	..	..	..	..	..	..	..	..	..	
Factory	..	..	..	..	..	..	..	..	..	..	
Total ..	..	..	10,897	10,579	11,720	5,750	3,434	9,184	9,184	11,044	
Office expenses .. Contingencies	..	..	..	..	..	..	..	..	..	..	
Peons' clothing	..	..	..	..	..	..	..	..	..	..	
Total ..	..	..	..	..	..	..	..	..	..	..	
Stationery and printing. Printing charges	..	..	..	..	..	..	..	..	..	..	
Allowances .. Travelling allowance	..	..	..	..	..	..	..	..	..	..	
Total, Cinchona Department ..	6	6	13,922	13,652	14,870	7,260	5,578	12,838	12,838	14,788	
Quinologist Department.											
Salaries .. .. Government Quinologist	..	..	..	..	..	..	..	..	..	..	
Permanent establishment. Laboratory Assistant	..	..	..	..	..	..	..	..	..	..	
Temporary establishment. Factory Overseer	..	..	..	..	..	..	..	..	..	..	
Office expenses .. Rent of laboratory	..	..	..	..	..	..	..	..	..	..	
Contingencies	..	..	..	..	..	..	..	..	..	..	
Total ..	..	..	..	..	..	..	..	..	..	..	
Total, Quinologist's Department ..	..	..	..	..	..	..	..	..	..	..	
Total, Cinchona Plantations ..	..	..	..	..	..	..	..	..	..	..	

Budget Estimate of Expenditure for 1892-93 on account of the Government Cinchona Plantations, Nilgiris—*cont.*

Particulars.	Number. 1891-92.	Number. 1892-93.	Actuals for 1890-91.	Average expenditure for 3 years from 1888-89 to 1890-91.	Sanctioned budget estimate for 1891-92.	Actuals for the first five months from April to August 1891.	Probable charge for the remaining seven months of 1891-92.	Total.	Revised estimate for 1891-92.	Budget estimate for 1892-93.	Remarks.
NADUVATAM.			RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	
Cinchona Department.											
Salaries .. .. Government Botanist and Director.	..	..	..	..	..	..	..	..	..	..	
Permanent establishment. Manager	..	..	..	..	..	..	..	..	..	..	
Clerk	1	1	62	261	360	52	308	360	360	360	
Storekeeper	1	1	235	223	240	100	140	240	240	240	
Peon	..	..	..	..	..	..	..	..	..	..	
Superintendent	1	1	2,350	2,230	2,400	1,000	1,400	2,400	2,400	2,400	
Sub-Overseer	1	1	600	600	600	250	350	600	600	600	
Total ..	4	4	3,247	3,314	3,600	1,402	2,198	3,600	3,600	3,600	
Temporarye establishment. Maistries	2	3	..	..	..	..	490	490	490	720	at Rs. 20.
Supplies and services. Propagation	..	..	516	462	420	192	188	380	380	400	
Working charges	..	..	8,199	8,237	8,390	2,287	3,367	5,654	5,654	8,294	
Manure	..	..	2,458	2,957	2,872	1,306	1,413	2,719	2,719	2,914	
Collection of crop	..	..	1,542	1,464	1,450	550	140	690	690	2,460	
Repairs	..	..	1,266	910	1,100	1,011	89	1,100	1,100	800	
New works	..	..	416	620	..	..	..	..	..	..	
Factory	..	..	1,377	459	1,000	670	1,005	1,675	1,675	1,675	
Total ..	..	..	15,774	15,109	15,232	6,016	6,202	12,218	12,218	16,543	
Office expenses .. Contingencies	..	..	..	..	..	..	..	..	..	..	
Peons' clothing	..	..	..	..	..	..	..	..	..	..	
Total ..	..	..	..	..	..	..	..	..	..	..	
Stationery and printing. Printing charges	..	..	..	..	..	..	..	..	..	..	
Allowances .. Travelling allowance	..	..	..	..	..	..	..	..	..	..	
Total, Cinchona Department ..	6	7	19,021	18,423	18,832	7,418	8,890	16,308	16,308	20,863	
Quinologist's Department.											
Salaries .. .. Government Quinologist	..	..	..	..	..	..	..	..	..	..	
Permanent establishment. Laboratory Assistant	..	..	..	..	..	..	..	..	..	..	
Temporary establishment. Factory Overseer	..	..	..	..	..	..	..	..	..	..	
Office expenses .. Rent of laboratory	..	..	..	..	..	..	..	..	..	..	
Contingencies	..	..	..	..	..	..	..	..	..	..	
Total ..	..	..	..	..	..	..	..	..	..	..	
Total, Quinologist's Department ..	..	..	..	..	..	..	..	..	..	..	
Total, Cinchona Plantations ..	..	..	..	..	..	..	..	..	..	..	

Budget Estimate of Expenditure for 1892-93 on account of the Government Cinchona Plantations, Nilgiris—*cont.*

Particulars.	Number. 1891-92.	Number. 1892-93.	Actuals for 1890-91.	Average expenditure for 3 years from 1888-89 to 1890-91.	Sanctioned budget estimate for 1891-92.	Actuals for the first five months from April to August 1891.	Probable charge for the remaining seven months of 1891-92.	Total.	Revised estimate for 1891-92.	Budget estimate for 1892-93.	Remarks.
PYKARA.			RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	
Cinchona Department.											
Salaries .. .. Government Botanist and Director.	..	..	..	..	..	..	..	..	..	..	
Permanent establishment. Manager	..	..	..	..	..	..	..	..	..	..	
Clerk	1	1	203	190	215	89	126	215	215	227	
Storekeeper	..	..	..	..	..	..	..	..	..	..	
Peon	..	..	..	..	..	..	..	..	..	..	
Superintendent	1	1	2,350	2,230	2,400	1,000	1,400	2,400	2,400	2,400	
Sub-Overseer	1	1	600	600	600	250	350	600	600	600	
Total ..	3	3	3,153	3,020	3,215	1,339	1,876	3,215	3,215	3,227	
Temporary establishment. Maistries	3	3	..	..	..	261	399	660	660	660	2 at Rs. 20 and 1 at Rs. 15.
Supplies and services. Propagation	..	..	517	561	500	225	175	400	400	500	
Working charges	..	..	4,617	4,643	6,394	1,540	2,319	3,859	3,859	7,100	
Manure	..	..	696	723	870	250	425	675	675	880	
Collection of crop	..	..	79	319	250	220	30	250	250	275	
Repairs	..	..	73	214	450	558	18	576	576	450	
New works	..	..	..	..	..	..	..	..	..	..	
Factory	..	..	..	..	..	..	..	..	..	..	
Total ..	..	..	5,982	6,460	8,464	2,793	2,967	5,760	5,760	9,205	
Office expenses .. Contingencies	..	..	..	..	..	..	..	..	..	..	
Peons' clothing	..	..	..	..	..	..	..	..	..	..	
Total ..	..	..	..	..	..	..	..	..	..	..	
Stationery and printing. Printing charges	..	..	..	..	..	..	..	..	..	..	
Allowances .. Travelling allowance	..	..	..	..	..	..	..	..	..	..	
Total, Cinchona Department ..	6	6	9,135	9,480	11,679	4,393	5,242	9,635	9,635	13,092	
Quinologist's Department.											
Salaries .. .. Government Quinologist	..	..	..	..	..	..	..	..	..	..	
Permanent establishment. Laboratory Assistant	..	..	..	..	..	..	..	..	..	..	
Temporary establishment. Factory Overseer	..	..	..	..	..	..	..	..	..	..	
Office expenses .. Rent of laboratory	..	..	..	..	..	..	..	..	..	..	
Contingences	..	..	..	..	..	..	..	..	..	..	
Total ..	..	..	..	..	..	..	..	..	..	..	
Total, Quinologist's Department ..	..	..	..	..	..	..	..	..	..	..	
Total, Cinchona Plantations ..	..	..	..	..	..	..	..	..	..	..	

Budget estimate of Expenditure for 1892-93 on account of the Government Cinchona Plantations, Nilgiris—*cont.*

Particulars.	Number. 1891-92.	Number. 1892-93.	Actuals for 1890-91.	Average expenditure for 3 years from 1888-89 to 1890-91.	Sanctioned budget estimate for 1891-92.	Actuals for the first five months from April to August 1891.	Probable charge for the remaining seven months of 1891-92.	Total.	Revised estimate for 1891-92.	Budget estimate for 1892-93.	Remarks.
			Total.								
Cinchona Department.			Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Salaries .. .. Government Botanist and Director.	1	1	9,340	9,100	9,580	3,980	5,600	9,580	9,580	9,600	
Permanent establishment. Manager	1	1	1,750	1,630	1,800	750	1,050	1,800	1,800	1,800	
Clerk	2	2	662	1,039	960	302	658	960	960	960	
Storekeeper	4	4	908	859	935	349	586	935	935	947	
Peons	1	1	96	104	96	40	56	96	96	96	
Superintendent	3	3	6,890	6,530	7,110	2,950	4,160	7,110	7,110	7,200	
Sub-Overseer	3	3	1,800	1,800	1,800	750	1,050	1,800	1,800	1,800	
Total ..	14	14	12,106	11,962	12,701	5,141	7,560	12,701	12,701	12,803	
Temporary establishment. Maistries	8	9	..	..	..	471	1,183	1,654	1,654	1,884	The maistries were not paid in full till September, as their case has only been recently settled by Government.
Supplies and services. Propagation	..	..	1,355	1,397	1,320	528	577	1,105	1,105	1,300	
Working charges	..	..	17,855	18,307	20,684	8,077	7,921	15,998	15,998	20,438	The more important works having been finished.
Manure	..	..	5,918	6,183	5,962	2,660	2,720	5,380	5,380	6,194	The greater part of the manuring has been done.
Collection of crop	..	..	4,213	3,894	4,700	867	273	1,140	1,140	5,735	
Repairs	..	..	1,718	1,538	2,050	1,757	107	1,864	1,864	1,750	The repairs of most of the buildings have been completed.
New works	..	..	416	620	..	..	..	..	..	..	
Factory	..	..	1,377	459	1,000	670	1,005	1,675	1,675	1,675	
Total ..	..	..	32,852	32,398	35,716	14,559	12,603	27,162	27,162	37,092	
Office expenses .. Contingencies	..	..	700	741	700	101	599	700	700	700	The Municipal taxes have not yet been paid.
Peons' clothing	..	..	12	16	12	12	..	12	12	12	
Total ..	..	..	712	757	712	113	599	712	712	712	
Stationery and printing. Printing charges	..	..	35	24	40	13	27	40	40	40	
Allowances .. Travelling allowance	..	..	1,500	1,492	1,500	820	680	1,500	1,500	1,500	
Total, Cinchona Department ..	23	24	56,545	55,733	60,249	25,097	28,252	53,349	53,349	63,631	

Budget estimate of Expenditure for 1892-93 on account of the Government Cinchona Plantations, Nilgiris—*cont.*

Particulars.	Number. 1891-92.	Number. 1892-93.	Actuals for 1890-91.	Average expenditure for 3 years from 1888-89 to 1890-91.	Sanctioned budget estimate for 1891-92.	Actuals for the first five months from April to August 1891.	Probable charge for the remaining seven months of 1891-92.	Total.	Revised estimate for 1891-92.	Budget estimate for 1892-93.	Remarks.
			Total—*cont.*								
Quinologist's Department.			Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Salaries .. .. Government Quinologist	1	1	6,000	6,000	6,000	2,500	3,500	6,000	6,000	6,000	
Permanent establishment. Laboratory Assistant	1	1	133	115	151	61	90	151	151	169	
Temporary establishment. Factory Overseer	1	1	590	197	..	375	525	900	900	900	
Office expenses .. Rent of laboratory	..	..	600	760	600	250	350	600	600	600	
Contingencies	..	..	11,046	8,057	9,000	6,966	8,034	15,000	15,000	11,500	The difference is owing to the chemicals purchased locally having been paid for.
Total ..	..	..	11,646	8,817	9,600	7,216	8,384	15,600	15,600	12,100	
Total, Quinologist's Department ..	3	3	18,369	15,129	15,751	10,152	12,499	22,651	22,651	19,169	
Total, Cinchona Plantations ..	26	27	74,914	70,862	76,000	35,249	40,751	76,000	76,000	82,800	

OOTACAMUND,
28th September 1891.

(Signed) M. A. LAWSON,
Government Botanist and Director.

EXPLANATORY NOTE ON THE BUDGET ESTIMATE OF THE GOVERNMENT CINCHONA PLANTATIONS, NILGIRIS, FOR THE YEAR 1892-93.

I.—ACTUALS OF 1890-91.

(*a*) *Receipts.*—In G.O. No 946 of 25th November 1889, Revenue, a sum of Rs. 40,000 was sanctioned by Government as the budget estimate for the year, and in G.O. No 886 of 7th November 1890, Revenue, the same figure was accepted as the revised estimate. Instead of this anticipated income, the actual receipts realized aggregated only Rs. 28,876, or Rupees 11,124 less. This reduction was due to a considerable amount of the quinine manufactured during the year not having been sold, and also to some of the quinine and bark issued during the year not having been paid for before its close. Had the full amount of money for these been received, the receipts for the year would have aggregated Rs. 73,555, as fully explained in the administration report.

(*b*) *Expenditure.*—The budget estimate for the year, as sanctioned in G.O. No. 946 of 25th November 1889, Revenue, was Rs. 75,300. This was reduced to Rs. 75,000 as the revised estimate. The actual expenditure was Rs. 74,914, which was Rs. 336 less than the budget estimate and Rs. 86 less than the revised estimate.

The difference between the revised estimate and the actual expenditure for the year is still further explained :—

	Rs.	Rs.	Rs.
Revised estimate for 1890-91		...	75,000
Actual for the year		...	74,914
Decrease under—			
Salaries	298		
Nurseries	15		
Working charges	1,840		
Manure	338		
Crop	837		
Other heads	9		
		3,337	
Increase under—		78,251	
Repairs	138		
Factory	377		
Working charges	2,736		
		3,251	
			75,000

The decrease under salaries was due to the greater part of the pay of the Naduvatam clerk having been unspent, owing to his having been transferred to the Census office, Madras, since May 1890, and the reduction under the other heads was owing to the expenditure on the upkeep of the estates being kept as low as possible in order to provide the necessary funds for the payment of Fusel oil, and for the purchase of other chemicals and more machinery which was required for the manufacture of quinine.

II.—REVISED ESTIMATE FOR 1891-92.

(*a*) *Receipts.*—In G.O. No. 886, dated 7th November 1890, Revenue, the budget estimate for the year was passed by Government at Rs. 60,000. Taking into account the several indents for sulphate of quinine and febrifuge which have been received from the various Indian Medical departments and which have been already almost all complied with, the sum amounts to Rs. 60,600 thus—

	Rs.	A.	P.
Sulphate of quinine (indented for by Madras 1,500 lb., by Ceylon 1,000 lb. and by Bombay 400 lb.—total 2,900 lb.).	42,780	14	5
Febrifuge (indented for by Madras 1,100 lb. by Bombay 500 lb.—total 1,600 lb.).	16,017	8	0
	58,798	6	5
Bark supplied to the Medical Stores, Madras and Bombay.	1,150	0	0
Miscellaneous	650	0	0
	60,598	6	5

As stated above the whole of these indents have already been complied with, with the exception of two consignments of 250 lb. each of sulphate of quinine, which are due to the Medical Stores department, Ceylon, in December and March next, so that the Rs. 60,600 may be made sure of. It is anticipated however that, in addition to the 500 lb. of quinine alluded to above, 3,000 lb. of quinine and 1,500 lb. of febrifuge will be manufactured before the close of the current official year in spite of 61 days of enforced stoppages since the 31st March last. The value of these would be (Rs. 44,100 + 15,000) or Rs. 59,100, and this, with the Rs. 60,600, the value of the indents already received, would be Rs. 1,19,700. It is uncertain, however, how much more quinine and febrifuge may be purchased before the close of the year, and so only Rs. 60,600 have been entered as the revised estimate.

In G.O. No. 706, dated 4th September 1890, Revenue, Government fixed the price of quinine for the last year at Rs. 16-7-9 per pound, and in G O. No 7964, dated 10th December 1889, Revenue, the febrifuge at Rs. 14, but in G.O. No. 1865, dated 17th March 1891, Revenue, Government reduced the prices to Rs. 14-11-3 and Rs. 10 per pound respectively. This reduction in the price of the drugs has caused a corresponding decrease in the money received. Had the prices of the last year been maintained, the revised estimate for the current year would have amounted to Rs. 72,200, instead of Rs. 60,600, and this would have made the actual receipts only Rs. 3,800 below the budget estimate of expenditure.

It is estimated that the following crop of bark will be harvested during the current official year :—

Estates.	Crown.		Red.		Total.	
	Bales.	Lb.	Bales.	Lb.	Bales.	Lb.
Dodabetta	200	20,000	..	..	200	20,000
Naduvatam	..	..	400	40,000	400	40,000
Pykara	100	10,000	..	..	100	10,000
Total ..	300	30,000	400	40,000	700	70,000

It would be possible to take double this amount, but it would be very inconvenient to do so, as the stock in hand is still very great.

(*b*) *Expenditure.*—In G.O. No. 886 of 7th November 1890, Revenue, a sum of Rupees 76,000 was sanctioned by Government as the budget estimate for the year, and the revised estimate has been put down at the same figure. Some changes have been made in the several allotments. This has been found to be necessary in order to provide extra funds under Quinologist's contingencies, as, owing to the late arrival of the chemicals indented for from England, temporary supplies had to be purchased in the local market. The cost of these have been defrayed in addition to those indented for. The cost of these chemicals with rail and other charges amounted to Rs. 2,700. Besides this, Rs. 1,051 have been spent on tins and packing cases, which was an item that was overlooked when drawing up the budget. Indeed, at the time the budget was drawn up, there was no expectation that the quinine and febrifuge would have to be sent out otherwise than in bulk. In addition to the above extra items of expenditure Rs. 2,300 have been spent on the purchase of vats, casks and a boiler for the factory; also on the laying on of water through the several buildings.

The differences are thus explained :—

	Rs.	Rs.	Rs.
Budget estimate for 1891-92		...	76,000
Revised estimate		76,000	
Decrease under—			
Propagation	215		
Working charges	4,686		
Manure	582		
Crop	3,560		
Repairs	186		
		9,229	
		66,771	
Increase under—			
Maistries	1,654		
Factory Overseer	900		
Factory...	675		
Quinologist's contingencies	6,000		
		9,229	
			76,000

From the above statement it will be observed that the sums allotted in the budget estimate for the upkeep of the several estates have been reduced to meet the increased outlay under "Quinologist's contingencies" and "Factory charges." The increase under "Maistries" and "Factory Overseer" is only apparent, and is explained by a change having been made in the system of accounts introduced at the desire of the Accountant-General.

III.—BUDGET ESTIMATES for 1892-93.

(*a*) *Receipts.*—In framing the budget estimate of receipts for the year 1892-93, some difficulty is experienced, first, because it is impossible to say how much quinine and febrifuge will be sold, and, secondly, because the prices of these drugs may change again; it would be safer therefore to take the low figure of Rs. 60,600 as the estimate for the actual receipts, though the amount of quinine and febrifuge which it is expected will be turned out would authorize an higher one. The amount of quinine which it is expected will be manufactured during the next year is 5,000 lb. and of febrifuge 3,000 lb., and the value of these at the current rates would be Rs. 1,03,500; and taking the miscellaneous items, the total value of the products of the estates would amount to Rs. 1,05,500.

(*b*) *Expenditure.*—The budget estimate of expenditure for the year 1892-93 has been put down at Rs. 82,800. This is Rs. 6,800 more than the budget estimate for the current official year sanctioned by Government in G.O. No. 886 of 7th November 1890, Revenue. The increase is due to a more liberal allotment being provided for the upkeep of the several estates, as cultural operations have been considerably curtailed during the past three years in order to provide the necessary funds for the establishing of the quinine factory at Naduvatam.

The difference between the revised estimate for the current official year and the budget estimate for the next year is thus explained:—

	Rs.	Rs.	Rs.
Budget estimate for 1892-93			82,800
Revised estimate for 1891-92		76,000	
Increase under—			
Salaries	140		
Mastries	230		
Propogation	195		
Working charges	4,440		
Manure	814		
Crop	4,595		
		10,414	
		86,414	
Decrease under—			
Repairs	114		
Quinologist's contingencies	3,500		
		3,614	
			82,800

Salaries.—The increase under this head is due to the increments sanctioned in G.O. No. 4102 of 8th August 1885, Revenue, and G.O. No. 4547 of 27th August 1885, Revenue, and which will be earned during the year.

Maistries.—The increase here is caused by the three maistries sanctioned in G.O. No. 3951, dated 10th July 1891, Revenue, being employed at Naduvatam next year in the place of only two this year.

Working charges and manure.—The increase under this head is due to its being intended to carry out more renovations which are much needed on the Naduvatam and Pykara estates.

Crop.—It is intended to take a heavy crop during the year 1892-93, and as a large portion of this will be harvested from young trees by the stripping process, the cost will necessarily be great, but it is of importance that the barking of these trees should not be delayed, as their analysis shows that the natural bark upon them has reached its maximum.

Quinologist's contingencies.—The decrease under this head is caused by a more extended experience in the manufacture of quinine, by which very considerable reductions have been effected in the consumption of the chemicals used.

OOTACAMUND,
28th September 1891.

(Signed) M. A. LAWSON,
Government Botanist and Director.

READ—also the following letter from M. A. LAWSON, Esq., Government Botanist and Director of Government Cinchona Plantations, &c., Nilgiris, to the Secretary to Government, Revenue Department, dated Ootacamund, 2nd November 1891, No. 63:—

Since I sent in my budget estimates of the Government Cinchona Department, there have been received indents for quinine and febrifuge amounting to over Rs. 10,000; the estimated actual receipts for the current year may, therefore, be taken at Rs. 71,000, instead of at Rs. 60,600 as given in my budget.

ORDER—dated 23rd November 1891, No. 1116, Revenue.

Miscellaneous.

With the first of the papers read above, Mr. Lawson submits the budget estimates of receipts and charges for the Government Cinchona Plantations, Nilgiris, for the year 1892–93, and in the second, reports that as indents have since come in for over Rs. 10,000 worth of quinine and febrifuge, his revised estimate of receipts for the current official year may be raised from Rs. 60,600 to Rs. 71,000.

2. The following statement shows the actuals of the past year, the sanctioned and revised estimates for the current year, and the Director's budget estimate for 1892–93:—

—	Actuals, 1890–91.	Sanctioned estimate, 1891–92.	Revised estimate, 1891–92.	Budget estimate, 1892–93.
	Rs.	Rs.	Rs.	Rs.
Receipts	28,876	60,000	71,000	60,600
Charges	74,914	76,000	76,000	82,800

3. *Actuals*, 1890–91.—The actual receipts during the past official year (Rs. 28,876) fell short of the revised estimate by Rs. 11,124. The reasons for this were fully explained in the Director's annual report reviewed by Government in G.O., dated 9th September 1891, No. 851. The charges approximated the revised estimate.

4. *Revised estimates*, 1891–92—*Receipts.*—Mr. Lawson estimates the revised receipts for the current year at Rs. 71,000, or Rs. 11,000 more than the sanctioned estimate. Indents for nearly Rs. 60,600 worth of quinine, febrifuge and bark received up to September last are reported to have been complied with in nearly all cases, and as stated in paragraph 1 *supra*, indents to the value of over Rs. 10,000 have since been received. No allowance is, however, made for unforeseen indents, and the Government considers that the revised estimate may be safely raised to Rs. 75,000.

Charges.—The revised estimate of charges is fixed by the Director at Rs. 76,000, which is the same as the budget estimate sanctioned by the Government for the current year. Mr. Lawson reports that owing to the late arrival of chemicals from England and the consequent necessity for purchasing supplies in the local market, and owing also to certain omissions in framing the original budget and to certain unforeseen charges, which had to be incurred, the grant under "Quinologist's contingencies" has had to be raised by Rs. 6,000. This has been done by reducing the grants made in the budget estimate for the upkeep of the several estates. The other changes made in the allotments are unimportant and call for no remarks. The revised estimate of charges has been carefully framed and is accepted.

5. *Budget estimates for* 1892–93—*Receipts.*—The receipts for 1892–93 are estimated at Rs. 60,600, the figures of the revised estimate for the current year, as originally framed, having been adopted. This latter estimate has since been raised to Rs. 71,000, and His Excellency in Council sees no reason why this sum at least should not be realized in the coming year. Mr. Lawson expects that quinine and febrifuge

to the value of Rs. 1,03,500 will be manufactured during 1892–93, and that including the miscellaneous items, the total income from the estates will amount to about Rs. 1,05,500 at the current rates. The Director points out the difficulty of estimating the future revenue, owing to the possible changes in the value of the drugs manufactured and to the uncertainty of the demand therefor. These difficulties must always exist, but it is unlikely that the price of quinine will fall much lower than it is at present, and the demand should in future increase rather than diminish. The Government has recently sanctioned the sale of quinine to the general public at Rs. 16–8–0 per lb., and endeavours are being made to create a market for the drug in the feverish parts of the Presidency. In these circumstances, it seems probable that the demand will keep pace with the supply as it has hitherto done, and Mr. Lawson should have no difficulty in disposing of the whole quantity of quinine manufactured. The value of 5,000 lb. of quinine at the current rate (Rs. 14–11–3 per lb.) amounts to Rs. 73,515 and the receipts on account of the sale of febrifuge and under other miscellaneous heads should be at least Rs. 20,000 more. The budget estimate of receipts will accordingly be fixed at Rs. 90,000.

Expenditure.—The expenditure during the year is fixed at Rs. 82,800 or Rs. 6,800 more than the revised estimate for the current year. The necessity for this increase is explained by the Director in his explanatory note, and the estimate will be accepted in round numbers at Rs. 83,000, the difference between this amount and that proposed by the Director being added to the allotment for working charges.

6. The revised estimates for 1891–92, and the budget estimates for 1892–93 as passed by Government are given below :—

	Revised estimates, 1891–92.	Budget estimates, 1892–93.
	RS.	RS.
Receipts	75,000	90,000
Charges	76,000	83,000

(True Extract.)

(Signed) C. A. GALTON,
Secretary to Government.

To the Government Botanist, &c.
„ the Financial Department.
„ the Accountant-General.

Exd. A. Aubert.

45 Copies.

Original

Govt. of {1891} Madras.

REVENUE.

K.C. No. 3494 gsr

Issued

Recd.

Encl.

G.O., 23rd November 1891, No. 1116.

NOVEMBER.

Budget estimates.

Reviewing the — of receipts and charges for the Government Cinchona Plantations, Nilgiris, for 1892-93.

Budget Estimate of Expend

Particulars			
Cinchona Department			
Head office and General			
Salaries	Government Botanist and Director		
Permanent Establishment	Manager		
	Clerk		
	Storekeeper		
	Peon		
	Superintendent		
	Sub Overseer		
		Total	
Temporary Establishment	Mistries		
Supplies and Services	Propagation		
	Working Charges		
	Manure		
	Collection of Crop.		
	Repairs		
	New Works		
	Factory		
		Total	
Office Expenses	Contingencies		
	Peons Clothing		
		Total	
Stationery and Printing	Printing Charges		
Allowances	Travelling allowances		
		Total Cinchona Department	
Quinologist's Department			
Salaries	Government Quinologist		
Permanent Establishment	Laboratory Assistant		
Temporary Establishment	Factory Overseer		
Office Expenses	Rent of Laboratory		
	Contingencies		
		Total	
		Total Quinologist's Department	
		Total Cinchona Plantations	
Director's office			

Plantations Nilgiries

93 on account of the Government Cinchona

Revised Estimate for 1891-92	Budget Estimate for 1892-93	Remarks		Actuals for 1890-91	Average expenditure for three years from 1888-89 to	Sanctioned Budget Estimate for 92-93	Actuals for the first five months from April to August 1891	Probable charge for the remaining seven months of 1891-92	Total
									97
					12				19
9,580	9,600		1	1	9340	9100	9580	3980	5,600	9580
1800	1,800		1	1	1,750	1,630	1800	750	1050	1800
960	960		2	2	662	1039	960	302	658	960
935	947		4	4	908	859	935	349	586	935
96	96		1	1	96	104	96	40	56	96
7,110	7,200		3	3	6890	6530	7110	2950	4160	7110
1800	1800		3	3 V	1800	1800	1800	750	1050	1800
12701	12,803 V		14	14	12,106	11,962 V	12,701 V	5141 V	7,560 V	12,701 V
1,654	1884	The Maistries were not paid in full till September, as their case has only been recently settled by Government.	8	9	"	"	"	471	1183	1654
1105	1,300				1,355	1397	1320	528	577	1105
15,998	20,438	The more important works having been finished.			17855	18307	20,684	8077	7,921	15,998
5380	6194	The greater part of the manuring has been done.			5,918	6183	5962	2660	2720	5380
1,140	5,735				4213	3894	4700	867	273	1140
1864	1750	The repairs of most of the buildings have been completed.			1,718	1,538	2050	1757	107	1864
"	"				416	620	"	"	"	"
1675	1675				1877	459	1,000	670	1,005	1675
27,162	37,092 V				32852 V	32398 V	35,716	14,559 V	12,603 V	27162 V
700	700	The Municipal Taxes have not yet been paid.			700	741	700	101	599	700
12	12				12	16	12	12	"	12
712	712 V				712 V	757	712 V	113	599 V	712 V
40	40				35	24	40	13	27	40
1,500	1,500				1,500	1492	1,500	820	680	1,500
53349	63,631		23	24	56,545	55,733	60,249	25097	28,252	53349
6000	6,000		1	1	6000	6,000	6,000	2,500	3,500	6,000
157	169		1	1	133	115	151	61	90	157
900	900		1	1	590	197	"	375	525	900
600	600				600	760	600	250	350	600
15000	11500	The difference is owing to the chemicals purchased locally having been paid for.			11,046	8057	9000	6966	8034	15,000
15,600	12,100 V				11,646 V	8817 V	9600	7216 V	8384 V	15,600 V
22651	19,169		3	3	18,369	15,129	15,751	10,152	12499	22,651
76,000	82,800		26	27	74,914	70,862	76,000	35249	40,751	76,000

13

M. A. Lawson
Govt Botanist and Director

Plantations Nilgiris

93 on account of the Government Cinchona

Revised Estimate for 1891-92	Budget Estimate for 1892-93	Remarks		Actuals for 1890-91	Average expenditure for three years from 1888-89 to 90-91	Sanctioned Budget Estimate for 1891-92	Actuals for the first five months from April to August 1891	Probable charge for the remaining seven months of 1891-92	Total 97
									Pykara
									21
215	224			1	1	203	190	215	89	126	215
2400	2,400			1	1	2,350	2,230	2400	1,000	1400	2400
600	600			1	1	600	600	600	250	350	600
3215	3224			3	3	3,153	3020	3215	1339	1876	3215
660	660	2 at Rs 20 and 1 at Rs 15		3	3	"	"	"	261	399	660
400	500					517	561	500	225	175	400
3859	7100					4,617	4,643	6394	1540	2319	3859
675	880					696	723	870	250	425	675
250	275					79	319	250	220	30	250
576	450					73	214	450	558	10	576
5760	9205					5982	6460	8464	2793	2967	5760
9635	13,092			6	6	9135	9480	11,679	4393	5242	9635

Plantations Nilgiris

93 on account of the Government Cinchona

Revised Estimate for 1891-92	Budget Estimate for 1892-93	Remarks	Actuals for 1890-91	Average expenditure for three years from 1888-89 to	Sanctioned Budget Estimate for 92	Actuals for the first five months from April to August 1891	Probable charge for the remaining seven months of 1891-92	Total 97
							Naduvatam	
								23
360	360							
240	240							
2400	2400							
600	600							
3600	3600							
490	720	at R. 20						
380	400							
5654	8294							
2719	2914							
690	2460							
1100	800							
"	"							
1675	1675							
12218	16543							
16308	20863							
			1	1	62	264	360	52	308	360
			1	1	235	223	240	100	140	240
			1	1	2350	2230	2400	1000	1400	2400
			1	1	600	600	600	250	350	600
			4	4	3247	3314	3600	1402	2198	3600
									490	490
			2	3	"	"	"	"	188	380
					516	462	420	192		
					8199	8237	8390	2287	3367	5654
					2458	2954	2842	1306	1413	2719
					1542	1464	1450	550	140	690
					1266	910	1100	1011	89	1100
					416	620	"	"	"	"
					1377	459	1000	670	1005	1675
					15774	15709	15232	6016	6202	12218
			6	7	19021	18423	18832	7418	8890	16308

Plantations Nilgiris

93 on account of the Government Cinchona

Revised Estimate for 1891-92	Budget Estimate for 1892-93	Remarks		Actuals for 1890-91	Average expenditure for three years from 1888-89 to 1890-91	Sanctioned Budget Estimate for 1891-92	Actuals for the first five months from April to August 1891	Probable charge for the remaining seven months of 1891-92	Total 27
									Dodabetta 25
"	"			"	180			"	"
240	240		1	1	235	223	240	100	140	240
2310	2400		1	1	2190	2,070	2,310	950	1360	2,310
600	600		1	1	600	600	600	250	350	600
3,150	3240		3	3	3025	3073	3150	1300	1850	3150
504	504	@ Rs 17, 13 and 12.	3	3	"	"	"	210	294	504
325	400				322	374	400	111	214	325
6485	5044				5039	5427	5900	4250	2235	6485
1986	2400				2764	2503	2220	1104	882	1986
200	3000				2592	2111	3,000	97	103	200
188	200				180	164	200	188	"	188
9184	11,044				10,897	10,579	11,720	5750	3434	9184
12,838	14,788		6	6	13,922	13,652	14,870	7,260	5578	12,838

Plantations Nilgiris

Revised Estimate for 1891-92	Budget Estimate for 1892-93	Remarks
9,580	9,600	
1,800	1,800	
600	600	
240	240	
96	96	
2736	2,736	
"	300	
"	300	
700	700	
12	12	
712	712	
40	40	
1,500	1,500	
14,568	14,888	
6000	6000	
151	169	
900	900	
600	600	
15000	11500	
15,600	12,100	
22,651	19,169	
37,219	34,057	

ure for 1892-93 on account of the Government Cinchona

Number 1891-92	Number 1892-93	Actuals for 1890-91	Average expenditure for three years from 1888-89 to 1890-91	Sanctioned Budget Estimate for 1891-92	Actuals for the first five months from April to August 1891	Probable charge for the remaining seven months of 1891-92	Total 27 4
1	1	9340	9100	9,580	3980	5600	9,580
1	1	1750	1630	1800	750	1050	1800
1	1	600	598	600	250	350	600
1	1	235	223	240	60	180	240
1	1	96	104	96	40	56	96
4	4	2,681	2555	2736	1100	1,636	2,736
		199	250	300	-	-	-
		199	250	300	"	"	"
		700	741	700	101	599	700
		12	16	12	12	"	12
		712	757	712	113	599	712
		35	24	40	13	27	40
		1,500	1492	1,500	820	680	1,500
5	5	14,467	14178	14,868	6026	8542	14,568
1	1	6000	6000	6000	2500	3500	6,000
1	1	133	115	151	61	90	151
1	1	590	197	"	375	525	900
		600	760	600	250	350	600
		11,046	8057	9000	6966	8034	15,000
		11,646	8817	9,600	7,216	8384	15,600
3	3	18,369	15,129	15,751	10152	12499	22,651
8	8	32,836	29,307	30,619	16,178	21,041	37,219

No 2

Enclosure to letter from the Govt Botanist and Director of Govt Cinchona Plantation Nilgiris to the Secretary to Government, Revenue Department, Ootacamund, No 50 dated 28th September 1891.

Budget Estimate of Expenditure for 1892-93 on account of the Government Cinchona Plantations Nilgiris.

Rec'd 4/10/91.

Explanatory Note on the Budget Estimate of the Government Cinchona Plantations, Nilgiris, for the year 1892-93.

I Actuals of 1890-91

6. Receipts- In G.O. No 946 of 25 November 1889, Revenue, a sum of Rs 40,000 was sanctioned by Government as the Budget Estimate for the year, and in G.O. No 886 of 7th November 1890, Revenue- the same figure was accepted as the Revised Estimate. Instead of this anticipated income, the actual receipts realized aggregated only Rs 28876, or Rs 11124 less. This reduction was due to a considerable amount of the quinine, manufactured during the year, not having been sold, and also to some of the quinine and bark issued during the year not having been paid for before its close. Had the full amount of money for these been received, the receipts for the year, would have

have aggregated Rs 73,555 as fully explained in the Administration Report.

(b) Expenditure The Budget Estimate for the year, as sanctioned in G.O No 946 of 25th November 1889 - Revenue - was Rs 75,300. This was reduced to Rs 75,000 as the Revised Estimate. The actual expenditure was Rs 74,914, which was Rs 386 less than the Budget Estimate, and Rs 86 less than the Revised Estimate.

The difference between the Revised Estimate and the actual expenditure for the year is still further explained:-

Revised Estimate for 1890-91 — Rs 75,000

Actual for the year - Rs 74,914

Decrease under		
Salaries	Rs 298	
Nurseries	" 15	
Working Charges	" 1860	
Manure	" 338	
Crop	" 837	
Other heads	" 9	3337
		78,257
Increase under		
Repairs	Rs 130	
Factory	" 377	
Working Charges	" 2736	3251
		75,000

The decrease under salaries was due to the greater part of the pay of the Nadiwatam clerk having been suspent, owing to his having been transferred to the Census office, Madras, since May 1890, and the reduction under the other heads was owing to the expenditure on the upkeep of the Estates being kept as low as possible, in order to provide the necessary funds for the payment of Fusel oil, and for the purchase of other chemicals, and more machinery, which was required for the manufacture of quinine.

II Revised Estimate for 1891-92.

(a) Receipts In G.O. No 886 dated 7th November 1890 - Revenue - the Budged Estimate for the year was passed by Government at Rs 60,000. Taking into account the several Indents for Sulphate of quinine and febrifuge which have been received from the various Indian Medical Departments, and which have been already almost all complied with, the

the sum amounts to Rs 60,600 thus:-

Sulphate of quinine (indented for
by Madras 1500 tb, by Ceylon 1000 tb, &
by Bombay 400 tb - Total 2900 tb) — Rs 42,780-14-5

Febrifuge (indented for by
Madras 1100 tb, by Bombay 500 tb -
Total 1600 tb) — " 16,017-8-0

58798-6-5

Bark supplied to the Medical
Stores Madras and Bombay — " 1150-0-0

Miscellaneous — 650-0-0

60,598-6-5

As stated above, the whole of these Indents have already been complied with, with the exception of two consignments of 250 tb each of Sulphate of quinine, which are due to the Medical Stores Department, Ceylon, in December and March next, so that the Rs 60,600 may be made sure of. It is anticipated, however, that in addition to the 500 pounds of quinine, alluded to above, 3000 pounds of quinine and 1500 pounds of febrifuge will be

be manufactured before the close of the current official year in spite of sixty one days of inforced stoppages since the 31st March last. The value of these would be (Rs 44,100 + 15,000) or Rs 59,100 and this with the Rs 60,600, the value of the Indents already received, would be Rs 119,700. It is uncertain, however, how much more quinine and febrifuge may be purchased before the close of the year, and so only Rs 60,600 have been entered as the Revised Estimate.

In G. O. No 706 dated 4th September 1890, Revenue - Government fixed the price of quinine for the last year at Rs 16.7.9 per pound, and in G. O 1187 dated 10th December 1889 - Revenue - the febrifuge at Rs 14-0-0, but in G.O. No 1865 dated 17 March 1891, Revenue - Government reduced the prices to Rs 14-11-3 and Rs 10-0-0, per pound, respectively. This reduction in the price of the drugs has caused a corresponding decrease in the money received. Had the prices of the last year been maintained, the Revised Estimate for the current year would have amounted

amounted to Rs 72,200 instead of Rs 60,600, and this would have made the actual receipts only Rs 3,800 below the Budget Estimate of expenditure.

It is estimated that the following crop of bark will be harvested during the current official year:—

Estates	Crown		Rid		Total	
	Bales	lbs	Bales	lbs	Bales	lbs
Dodabetta	200	20,000	"	"	200	20,000
Kadumakaw	"	"	400	40,000	400	40,000
Pykara	100	10,000	"	"	100	10,000
Total	300	30,000	400	40,000	700	70,000

It would be possible, to take double this amount, but it would be very inconvenient to do so, as the stock in hand is still very great.

(4) Expenditure. In G. O. No 886 of 7th November 1879 Revenue—a sum of Rs 76,000 was sanctioned by Government as the Budget Estimate for the year, and the Revised Estimate has been put down at the same figure. Some changes have been made in the several allotments. This has been found to be necessary in order to provide extra funds under Quinological Contingencies

1880

35

Contingencies, as owing to the late arrival of the Chemicals, indented for from England, temporary supplies had to be purchased in the local market. The cost of these have been defrayed, in addition to those indented for. The cost of these Chemicals, with Rail and other charges amounted to Rs 2700. Besides this Rs 1051 have been spent on tins and packing cases, which was an item that was overlooked when drawing up the Budget. Indeed at the time the Budget was drawn up there was no expectation that the quinine and febrifuge would have to be sent out otherwise than in bulk. In addition to the above extra items of expenditure, Rs 2300 have been spent on the purchase of vats, casks and a boiler for the Factory; also on the laying on of water through the several buildings.

The differences are thus

thus explained:—

Budget Estimate for 1891-92 — Rs 76,000

Revised Estimate — Rs 76,000

Decrease under

Propagation	Rs 215	
Working Charges	" 4686	
Manure	" 582	
Crop	" 3560	
Repairs	" 186	9229
		66,771

Increase under

Maistries	Rs 1654	
Factory Overseer	" 900	
Factory	" 675	
Cinchologist		
Contingencies	" 6000	9229
		Rs 76,000

From the above statement it will be observed that the sums allotted in the Budget Estimate for the upkeep of the several Estates have been reduced to meet the increased outlay under "Cinchologist's Contingencies" and "Factory charges". The increase under "Maistries" and "Factory Overseer" is only apparent, and is explained by a change having been made in the system of accounts, introduced at the desire of the Accountant General.

III Budget Estimates for 1892-93.

(a) Receipts. In framing the Budget Estimate of Receipts for the year 1892-93, some difficulty is experienced; first, because it is impossible to say how much quinine and febrifuge will be sold, and secondly, because the prices of these drugs may change again; it would be safer therefore to take the low figure of Rs 60,600 as the Estimate of quinine and febrifuge, which it is expected will be turned out, would authorize an higher one — The amount of quinine, which it is expected will be manufactured during the next year, is 5000 pounds and of febrifuge 3,000 pounds, and the value of these at the current rates would be Rs 103,500; and taking the Miscellaneous items, the total value of the products of the Estates would

would amount to Rs 105,500.

(b) Expenditure. The Budget Estimate of expenditure for the year 1892-93 has been put down at Rs 82,800. This is Rs 6800 more than the Budget Estimate for the current official year, sanctioned by Government in G.O. No. 886 of 7th November 1890-Revenue. The increase is due to a more liberal allotment being provided for the upkeep of the several Estates, as cultural operations have been considerably curtailed during the past three years, in order to provide the necessary funds for the establishing of the quinine Factory at Nadiwatam.

The difference between the Revised Estimate for the current official year, and the Budget Estimate for the next year is thus explained.

Budget Estimate for 1892-93		Rs 82,800
Revised Estimate for 1891-92		Rs 76,000
Increase under		
Salaries	Rs 140	
Maistries	" 230	
Propagation	" 195	
Working Charges	" 4440	
Manure	" 814	
Crop	" 4595	10,414
		86,414
Decrease under		
Repairs	Rs 114	
Cinchologist's Contingencies	" 3500	3614
		Rs 82,800

Salaries. The increase under this head is due to the increments, sanctioned in G.O. No. 4102 of 8th August 1885-Revenue and G.O. No. 4547 of 27th August 1885-Revenue and which will be earned during the year.

Maistries. The increase here is caused by the three Maistries, sanctioned in G.O. No. 3951 dated 10th July 1891-Revenue-being employed at Nadiwatam next year, in the place of only two this year.

Working Charges and Manure. The increase under this head is due to its being intended to carry out more renovations, which are much needed on the Nadiwatawe and Pykara Estates.

Crop. It is intended to take a heavy crop during the year 1892-93, and as a large portion of this will be harvested from young trees by the stripping process, the cost will necessarily be great; but it is of importance that the barking of these trees should not be delayed, as their analysis shows that the Natural bark upon them has reached its maximum.

Quinologists Contingencies. The decrease under this head is caused by a more extended experience in the manufacture of quinine, by which very Considerable reductions

have

have been effected in the Consumption of the Chemicals used. 41

N. A. Lawson

Director's office
Ootacamund
28 September 1891

Govt. Botanist and Director

No. 3

Enclosure to letter from the Govt. Botanist and Director of the Govt Cinchona Plantations Nilgiris to the Secretary to Government Revenue Department, Ootacamund No. 50 of 28th September 1891.

Explanatory Note on the Budget Estimate of the Government Cinchona Plantations Nilgiris for the Year 1892-93.

Rev 3/7819 Sept

Directors office
Ootacamund 28th Sept 1891

No. 50

From

M. A. Lawson Esqr.
Govt Botanist and Director of
Govt Cinchona Plantations
Nilgiris

To

The Secretary to Government
Revenue Department
Ootacamund.

Sir,

I have the honor to forward the Budget Estimates of the Government Cinchona Plantations, Nilgiris, for the year 1892-93.

I have the honor to be
Sir
Your most obdt Servant
M. A. Lawson
Govt Botanist and Director

Revenue Dept

REVENUE {1891 ~~CINCHONA~~.

From

M. A. LAWSON, ESQ.,

GOVERNMENT BOTANIST AND DIRECTOR OF

GOVERNMENT CINCHONA PLANTATIONS;

Nilgiris.

To *The Secretary to Government*
Revenue Department
Ootacamund

No. 50

Dated 28th
Despd. —
Recd. 2 Oct } *September* 1891.

ENCLOSURES— *3.*

SUBJECT.

Budget Estimates
Forwarding the
of the Government Cinchona
Plantations Nilgiris for
the year 1892–93.

Plant Ledger

15/10

Budget Estimate of Receipts for 1892-93 on account of the Government Cinchona Plantations Nilgiris.

Particulars	Actuals for 1890-91	Annual receipts for three years from 1888-89 to 1890-91	Actuals for the year ending 31st March 1891-92	Total Sanctioned Budget Estimate for 1891-92	Actuals for 6 months ending 30th Sept. 1891-92	Revised Budget Estimate for 1892-93	Remarks
Bark supplied to the Madras Medical Department	255	292	255	500		250	
Bark supplied to the Bombay Medical Dept.	360	225	400	500	400	400	
Bark supplied to Friends, Parties, Mysore, Burma	221	166	463	200	317	500	
Sale of Seeds and Plants	30	139	68	200	32	100	
Percentage of the Sales of the Govt. Quinologist	37	33	2	100	43	50	
Miscellaneous.	438	545	315	300	185	500	
Value of Febrifuge supplied to Madras Med. Dept.	2800	1955	2983	5000	1317	5000	
Value of Febrifuge supplied to Government and private parties	—	860	19133	53400	23667	16000	
Quinine	24,735	84824	42800	42800	42800	42,800	
Total	28846	12639	66600	66600	22813	66,600	

M. A. Lawson
Govt. Botanist and Director

Received in office
Ootacamund 28th Sept. 1891

No 1

Enclosure to letter from the Govt Botanist and Director of Govt Cinchona Plantations, Nilgiris to the Secretary to Government Revenue Department, Ootacamund No 50 of 28th September 1891.

Budget Estimate of Receipts for 1892-93 on account of the Government Cinchona Plantations Nilgiris.

Rec'd 7/8/91.

P 2549

NO. 63 Letter

DIRECTOR'S OFFICE.

OOTACAMUND, 2nd November 1891.

From

M. A. LAWSON, ESQ.,

GOVERNMENT BOTANIST AND DIRECTOR OF

GOVERNMENT CINCHONA PLANTATIONS, &c.,

Nilgiris.

To

The Secretary to Government.

Revenue Department.

Fort St George.

SIR,

Since I sent in my Budget Estimate of the Government Cinchona Department, there have been Received Indents for quinine & febrifuge amounting to over Rs 10000; the Estimated actual Receipts for the current Year may, therefore be taken at Rs 71000, instead of at Rs 60,600, as given in my Budget.

I have the honor to be
Sir
Your most obedient Servant.
M. A. Lawson
Govt Botanist &
Director.

Department.

REVENUE {1891 ~~CINCHONA.~~

Current Number 8870.

From

M. A. LAWSON, ESQ.,

GOVERNMENT BOTANIST AND DIRECTOR OF

GOVERNMENT CINCHONA PLANTATIONS;

Nilgiris.

To The Secretary to Government
Revenue Department
Fort St. George

No. 63

Dated 2
Despd. 2 } November 1891.
Recd. 4 "

GOVERNMENT OF MADRAS
ENCLOSURES
24 NOV 91
SUBJECT.
REVENUE DEPARTMENT

Budget Estimates

Informs that since submitting the — of the Government Cinchona Department, indents for quinine and febrifuge have come in for over Rs 10,000 and that therefore the Estimated receipts for the current official year may be taken at Rs 71000 instead of at Rs 60,600 as given in the Budget.

Read G. Nos 7819 and 8870 of
53

Order of 23 Nov. 1891, No: 1116.

With the first of the papers read above, Mr Lawson submits the budget estimates of receipts and charges for the Govt Cinchona Plantations, Nilgiris for the year 1892-93, and in the second, reports that as indents have since come in for over Rs 10,000 worth of quinine and febrifuge, his revised estimate of receipts for the current official year may be raised from Rs 60,600 to Rs 71,000.

J.H.S. 25/11/91

MCO 24 Nov

2. The following statement shows the actuals of the past year, the sanctioned and revised estimates for the current year, and the Director's budget estimate for 1892-93:—

—	Actuals, 1890-91	Sanctioned Estimate, 1891-92	Revised Estimate, 1891-92	Budget Estimate, 1892-93
	Rs	Rs	Rs	Rs
Receipts	28,876	60,000	71,000	60,600
Charges	74,914	76,000	76,000	82,800

3. Actuals 1890-91. The actual receipts during the past Official

could not be realized in the coming year. Mr Lawson expects that quinine and febrifuge to the value of Rs 103,500 will be manufactured during 1892-93, and that including the misc. items, the total ~~value of the products~~ income from of the estates will amount to about Rs 105,500 at the current rates. The Director points out the difficulty of estimating the future revenue, owing to the possible changes in the value of the drugs manufactured and to the uncertainty of the demand therefor. These difficulties must always exist, but it is unlikely that the price of quinine will fall much lower than it is at present, and the demand should in future increase rather than diminish. The Govt has recently sanctioned the sale of quinine to the general public at Rs 16-8-0 per lb, and endeavours are being made to create a market for the drug in the feverish parts of the Presy. In these circumstances it seems probable that the demand will keep pace with the supply as it has hitherto done, I do not see why Mr Lawson should have any difficulty in disposing of the whole quantity of quinine manufactured. The value of 5000 lbs of quinine at the current rate (Rs 14-11-3 per lb) amounts to Rs 73,515 and the receipts on account of the sale of febrifuge and under other misc: heads should be at least Rs 20,000 more. The budget estimate of receipts will accordingly be fixed at Rs 90,000

Expenditure - The expenditure during the year is fixed at Rs 82,800 or Rs 6,800 more than the revised estimate for the current year. The necessity for this increase is explained by the Director in his explanatory note, and the estimate will be accepted in round number at Rs 83,000, the difference between this amount and that proposed by the Director being added to the allotment for working charges.

6 The revised estimate for 1891-92, and the budget estimates for 1892-93, as passed by Government, are given below

Receipts

	Revised estimates, 1891-92	Budget Estimates, 1892-93	
	Rs	Rs	
Receipts	75,000	90,000	
Charges	76,000	83,000	

Rec
15.Nov.91.
19/11

45

The Govt Botanist &c

" Financial Dept.
" Acct General

24/11/91

45/5

24/11/91

E

Draft G.O.

Cinchona Department

: Budget for 1892-93

G. Ad/23 Nov: 1891, no: 1116

The Hon: Sir Garstin C.S.I.

The Hon: Sir Stokes C.S.I

C 19/11
B 23/11