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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

~~REVENUE~~ P.W. DEPARTMENT

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GOVERNMENT OF MADRAS.

REVENUE DEPARTMENT.

READ—the following Office Note by H. A. GASS, Esq., Deputy Conservator of Forests, in charge of Government Cinchona Plantations, to the Collector of Nílgiris, dated Ootacamund, 13th June 1883, No. 149-C :—

I beg to forward herewith the Budget Estimate of the Cinchona Plantations of the Nílgiri District for the Official year 1884-85, with explanatory note and three enclosures.

2. This is early for its submission, but I have been specially asked to prepare it before leaving the District. I should be much obliged if you would send it on to Government as early as possible, with any remarks you may wish to offer.

3. It should be stated here that in the absence of the new forms, &c., promised in paragraph 1 of G.O., No. 1955, dated 21st December 1881, the Budget Estimate has been this year again submitted in the old form.

ENCLOSURES.

Explanatory Note to accompany the Budget Estimate of the Cinchona Plantations for the Official Year 1884-85.

1. ACTUALS, 1882-83—*Receipts.*—The actuals for 1882-83 amounted to Rs. 2,08,000 in round figures, as noted below :—

	RS.	A.	P.
Value of 62,518 pounds of bark sent Home	97,684	6	0
Value of 69,611¾ pounds sold locally	1,06,396	0	1
Sale proceeds of seed plants, &c.	4,200	7	10
Miscellaneous	145	0	0
Total ...	2,08,425	13	11

The value of the bark sent Home has been calculated at the rate of Rs. 1-9-0 per pound all round, which is an average obtained from the sales of Government bark held on four different occasions in Madras, and may be accepted as the market value.

In Statements A. and B. attached, the actuals are given, first, according to market value of crop sent Home, *plus* other actual receipts ; and, second, calculated according to the Secretary of State's despatch, No. 31, dated 14th September 1882, embodied in G.O., No. 1163, dated 23rd October 1882.

The first only should be necessary, as far as the actuals of 1882-83, sanctioned budget and regular estimates for 1883-84, are concerned, for, as remarked in paragraph 12 of G.O., No. 1409, dated 14th December last, the despatch arrived too late to permit of the instructions contained in it being carried out in the preparation of the budget estimate for the current year, and as that estimate is worked out in accordance with the old system, so must the regular estimate for this year be done in the same way. However, to facilitate matters, I have prepared two statements, worked out in the two different ways, including the Budget Estimate for 1884-85.

2. ACTUALS, 1882-83—*Expenditure.*—The total amount expended during the year amounted to Rs. 83,351. Under *Salaries*, I have to remark that the amount shown as drawn by the Superintendent includes Rs. 1,800 drawn by me, and Rs. 514-4-7 salary drawn in March by Mr. M. A. Lawson. The Assistant Superintendent's pay appears both under Dodabetta and Naduvatam, because Mr. Rowson did not resign his appointment till 1st July 1882, and the Assistant Superintendent was then transferred from Naduvatam to Dodabetta, which arrangement has since been sanctioned in G.O., No. 1852, dated 5th May 1883. The same remark applies to the Head Overseer's pay. This was drawn first for Dodabetta, and subsequently for Naduvatam, when the change above referred to was made.

	Rs.
The sanctioned grant for Assistant Superintendent's pay was ...	3,600
Actuals	3,040
Difference ...	560

This consists of Rs. 300, savings on account of reduced pay drawn by Mr. Narrainasawmy Naidu (an objection was taken to his drawing the same pay, viz., Rs. 300 a-month, as Mr. Rowson drew one hundred rupees a-month, having been regarded as a personal allowance to Mr. Rawson) less Rs. 240 drawn by him as deputation allowance in the absence of Mr. Rowson.

Head Overseer's salary—

	Rs.
Sanctioned grant	2,640
Actuals	2,320
Difference ...	320

Explained as follows:—

Retrenched by the Accountant-General	240
Savings...	80
Total ...	320

The retrenchment was made on the salary of the Head Overseer, as the Accountant-General considered Rs. 30 of it to have been a personal allowance. This matter has been disposed of by Government in G.O., No. 1852, dated 5th May 1883.

Manager's pay—

	Rs.
Sanctioned	1,200
Actuals	977
Difference ...	223

is due to the Acting Manager having drawn the full pay of the office for one month only, and for the remaining eleven months he drew only 80 rupees, viz.—

	Rs.
His pay as Head Clerk, Forest Office	60
Deputation Allowance as Acting Manager	20

Nurseries—

	Rs.
Sanctioned...	5,900
Actuals	5 160
Difference ...	740

is due to less estimated sowing operations at Naduvatam.

Upkeep—

Well within the estimate, no remarks to offer.

Crop—

	Rs.
Sanctioned	25,850
Actuals	20,293
Difference ...	5,557

due to a small crop having been harvested. The same remark applies to the small saving of Rs. 200 under Carriage.

The charges were, it is admitted, rather high, a fact due to increased costs, owing to difficulties in taking crop, and in transport bales having been carried by coolies instead of carts into Ootacamund for some time, while the Pykara bridge was destroyed and the roads so bad.

New Works—

	Rs.
Sanctioned	9,000
Actuals	1,950
Difference ...	7,050

The actuals represent the building of chattram, sanctioned in G.O., 2nd May 1882, No. 452.

The saving is due to neither Hooker Drying Shed nor the Barbaques having been built.

Repairs—

	Rs.
Sanctioned...	4,000
Actuals	5,460
Difference ...	1,460

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Increase due to extensive repairs having been made to nearly every building at Naduvatam, and notably to the old drying shed which cost no less than Rs. 500.

The repairs to this last were absolutely necessary as the new sheds were hardly commenced and we had to fall back again on the old sheds, which we had hoped were discarded for ever. A further sum of Rs. 700 in addition to the original estimate was allotted by Government in the Regular Estimate of 1882-83 (*vide* G.O., 14th December 1882, No. 1409), but proved to be quite insufficient, and as the difference between that sum and Rs. 1,460 was urgently required and had to be expended, it was taken from savings under "Buildings," New Works.

3. SANCTIONED BUDGET ESTIMATE FOR 1883-84—*Receipts.*—In paragraph 5 of G.O., No. 1409, dated 14th December 1882, the sanctioned budget estimate is set down at Rs. 4,10,000. In paragraphs 8 and 31 of my Administration Report for 1882-83, I have given reasons to show why the figures above quoted are inapplicable, as they refer to the crop of bark taken in 1882-83 and not to the crop which will be taken this year, and will form the receipts of this year. In my opinion those figures should be discarded and the figures I have set down below as the regular estimate of this year substituted for them. The change must be made some time or other, and as the change in calculating receipts is now being made, I should think it advisable to make the necessary alteration to the budget estimate figures at the same time.

	Rs.
The sanctioned charges for the year were	1,08,500
Deduct accuals	83,351
Difference ...	25,149

This is to be accounted for, partly by the smallness of the crop and consequent reduction under that head, partly by the fact that the sum of money, 10,000 rupees, allotted for the new Cinchona buildings does not appear in our books at all, partly because the drying-shed at Hooker was for various reasons not built and a saving of Rs. 5,000 thus effected, and lastly the saving made by not constructing the Barbaques:—

Under "*Miscellaneous*" sanctioned 1,000 rupees, whereas a sum of Rs. 2,042-11-1 is shown as expended. The details of this are as follows:—

	Rs.	A.	P.
Passage money to Mr. Cross	682	0	0
Travelling Allowance to Dr. Bidie	57	14	9
Rents and taxes	180	0	0
Travelling allowance of Mr. Gass for proceeding to Madras on three occasions	460	0	0
Fixed travelling allowance of officer in charge	600	0	0
Travelling batta of Clerk and Peons, &c., ...	62	12	4
Total ...	2,042	11	1
Difference ...	1,042	11	1

The Government Orders sanctioning this expenditure are as follows:—

13th December 1881, No. 1926.
24th January 1882, No. 99.
8th December ,, No. 1381.
30th January 1883, No. 403.
10th February ,, No. 204-B.

4. REGULAR ESTIMATE, 1883-84—*Receipts.*—The regular estimate is entered at Rs. 2,40,000 as noted below:—

	Rs.
1,50,000 pound of bark at Rs. 1-9-0	2,35,000
Sale-proceeds of seed plant, &c.	5,000
Total ...	2,40,000

Judging from the first two months of the current official year, I am not inclined to think that the actuals of this year from sale-proceeds of seed, plant, &c., will exceed those of the last year. I have therefore entered only Rs. 5,000 under this head in the regular estimate.

As regards crop, the harvesting was continued from the 1st April, and up to end of last month, about 10,000 pounds had been dried, and about 5,000 pounds of it packed.

	BALES.
Dodabetta	500
Wood	100
Hooker	150
Naduvatam	750
Total ..	1,500

It is expected that the crop of the year will amount altogether to 1,50,000 pounds of bark or 1,500 bales distributed over the four estates as marginally noted. This quantity agrees exactly with that proposed in the Budget Estimate for 1882-83 to be collected. I can see no reason to suppose that the quality of the bark this year will be in any way superior to that of last year, and therefore consider that a market value of Rs. 1-9-0 a pound, all round, irrespective of quality is a fair valuation to put upon it. This is accordingly done in the regular estimate and the total comes to Rs. 2,35,000, and calculated in accordance with the Secretary of State's despatch, the amount entered is Rs. 97,859, which represents the expenditure connected with the proposed crop of the year. No shipments of bark have been made this year as yet. The shipments during the year will consist of 1,50,000 pounds of bark in all, unless Government issue any orders to the contrary or regarding local sales.

It is not possible here to give the different qualities likely to be harvested and so fix the probable receipts, as so much of the crop will be taken from uprooted and coppiced trees.

5. REGULAR ESTIMATE, 1883-84—*Expenditure.*—The total charges for the current year are entered at Rs. 97,800 in the regular estimate. The sanctioned grant for 1883-84 is Rs. 1,00,500, there will thus be a small saving of Rs. 2,700. The difference is made up of the saving effected on the Superintendent's pay which is entered now as Rs. 7,800, viz., Rs. 7,200 for Mr. Lawson and 600 for the Forest Officer acting as Superintendent for four months. The pay of the Assistant Superintendent is entered at Rs. 200 a month, and that of the Head Overseer at Rs. 150—*vide* G.O., No. 1852, dated 5th May 1853. No particular remarks are necessary under the other headings, as the allotments are as usual and will all be required. The amount Rs. 1,000, sanctioned for new huts at Dodabetta in paragraph 7 of G.O., No. 1409, dated 14th December 1882, will be expended. A detailed estimate is being prepared and will be furnished shortly. Rs. 1,200 sanctioned for packing presses will also be expended; a detailed estimate has been sent in.

The whole amount allotted under "Miscellaneous" has been already expended as noted below, and in fact exceeded by Rs. 51-11-0 :—

	RS.	A.	P.
Travelling allowance of officer in charge, *vide* G.O., 30th January 1883, No. 403	200	0	0
Travelling allowance of Mr. Lawson, *vide* G.O., No. 204-B, dated 10th February 1883	241	3	0
Railway fare to Mr. Lawson	79	8	0
Establishment Travelling Allowance, *vide* G.O., No. 1926, dated 13th December 1881	31	0	0
Extraordinary repairs to the Jail, *vide* this office note to the Collector, No. 105-25-C, dated 21st May 1883	500	0	0
Total ...	1,051	11	0

The reason for this is that items are entered here, such as travelling allowances, because there is no proper heading under which to enter them.

In connection with this I may mention that I have written a separate letter on the subject of certain additional funds as—

	RS.
(1) A water-supply for the Superintendent's Bungalow at Naduvatam	1,500
(2) Crop and Manure	1,500
(3) Repairs to Buildings, &c.	500
(4) Wire-fencing, &c.	3,000
(5) Travelling allowance	1,400
(6) Unforeseen charges	150
Total ...	8,050

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which I think are necessarily required at once, and if Government are pleased to approve of my proposals, a sum of money might be allotted in the regular estimate for this year to meet the increased expenditure under the different headings in anticipation of detailed estimates.

There is no heading for travelling allowances. I presume it is intended to grant Mr. Lawson the usual allowance of 5 rupees per diem. Batta is also required for the subordinates for authorized and necessary journeys. It is, in fact, sanctioned in G.O., No. 1926, dated 13th December 1881—Rs. 1,200 is required for Mr. Lawson and about Rs. 200 for the subordinates.

6. BUDGET ESTIMATE FOR 1884-85—*Receipts.*—The receipts for the next official year are estimated roughly at Rs. 1,34,375 and Rs. 83,800, according to the two methods of calculations,—market value and the Secretary of State's despatch. In this case again, the average rate of Rs. 1-9-0 per pound of bark has been accepted, and it is proposed to harvest about 86,000 pounds of bark or 860 bales taken from the four estates in the proportions noted below :—

Dodabetta	510 bales.
Wood	25 ,,
Naduvatam	300 ,,
Hooker	25 ,,
Total ...	860

The crop is small as compared with that proposed for the current official year and actual crops of the last few years. The reasons for this have been set forth in paragraph 33 of my Administration Report for 1882-83. Under Sale-proceeds from Seed and Plants, I have entered the same sum as for the present year, and see no reason to suppose we shall get either more or less than this amount.

7. BUDGET ESTIMATE FOR 1884-85—*Expenditure.*—The expenditure for the ensuing year is estimated in round figures at Rs. 83,800.

Under *Salaries*, Rs. 7,200 is entered—Mr. Lawson's pay at the rate of Rs. 600 a-month for twelve months—Rs. 200 and 150 a-month are entered as the pay of the Assistant Superintendent and Head Overseer respectively, as it is presumed that Government intend to grant those rates of pay. The other charges under Salaries are the same as usual and call for no remark. Under *Propagation* and *Nurseries* the amount entered is the same as usual and calls for no remark. It will all be required. Under *Up-keep* the amount budgetted for is the same as usual, and though rather high, still I think it will be needed as there is a very large area of young planting to look after, and also to plant up this year. Efforts must be made however to gradually reduce it to a lower figure per acre—Rs. 30, as it now stands, being very high.

The cost of *manure* remains the same.

There is a less amount entered for *collection of crop* and *carriage*, Rs. 20,000 in all. This calculation is based on previous actuals, and is taken proportionately to the amount of crop proposed to be harvested.

Under *New Works* nothing is entered, as it is not proposed to build anything. The construction of the drying shed at Hooker may be postponed for several years, if not abandoned altogether, as the amount of bark that estate will yield for the next few years may well be carried either to Wood or Naduvatam to be dried.

Under *Repairs* the amount is increased to Rs. 2,500, as the number of buildings, &c., we have now to look after is so largely increased, our expenses are much higher than they used to be.

The cost of *peons' clothing* remains the same, the number of peons being four.

The same amount is entered under *Contingencies* and will be required.

The amount entered under *Firewood Plantations* is reduced to Rs. 1,000, as I think this will be sufficient, if firewood be cut on the estates, in the sholahs, until the Eucalyptus plantations, &c., grow up and are serviceable for fuel.

Under *Miscellaneous* I have kept to the same figures and have no remarks to offer.

I have added a heading "Travelling Allowance" under which I have entered Rs. 2,000, viz., Rs. 1,800 for Mr. Lawson, and 200 for incidental travelling charges of subordinates in general.

OOTACAMUND,
18th June 1883.

(Signed) H. A. GASS,
Deputy Conservator of Forests,
in charge.

A.—Budget Estimate of Receipts of the Government Cinchona Plantations, Nilgiris, for the Official Year 1884-85, calculated according to the Market value, viz., Rs. 1-9-0 per pound of Cinchona Bark.

Particulars.	Actuals for 1882-83.	Sanctioned Budget Estimate for 1883-84.	Regular Estimate for 1883-84.	Budget Estimate for 1884-85.
	Rs. A. P.	Rs.	Rs.	Rs.
Value of bark sent Home	97,684 6 0		2,35,000	1,34,375
Do. supplied to the Madras Medical Department	...		...	...
Do. to Bombay	...	4,10,000	...	...
Do. sold locally	1,06,396 0 1		...	...
Sale proceeds of plants and seed	4,200 7 10		5,000	5,000
Miscellaneous	145 0 0		...	...
Total ...	2,08,425 13 11	4,10,000	2,40,000	1,39,375

OOTACAMUND,
13th June 1883.

(Signed) H. A. GASS,
Deputy Conservator of Forests,
in charge.

B.—Budget Estimate of Receipts of the Government Cinchona Plantations, Nilgiris, for the Official Year 1884-85, calculated according to the Secretary of State's Despatch, No. 31, dated 14th September 1882, embodied in G.O., No. 1163, dated 23rd October 1882.

Particulars.	Actuals for 1882-83.	Sanctioned Budget Estimate for 1883-84.	Regular Estimate for 1883-84.	Budget Estimate for 1884-85.
	Rs. A. P.	Rs.	Rs.	Rs.
Value of the whole crop	83,350 15 11		97,859	83,800
Do. bark supplied to the Madras Medical Department ...	...		...	...
Do. Bombay	...	4,10,000	...	...
Do. sold locally	...		...	...
Sale proceeds of seed and plant	4,200 7 10		5,000	5,000
Miscellaneous	145 0 0		...	...
Total ...	87,696 7 9	4,10,000	1,02,859	88,800

OOTACAMUND,
13th June 1883.

(Signed) H. A. GASS,
Deputy Conservator of Forests,
in charge.

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C.—Budget Estimate of Expenditure of the Government Cinchona Plantations, Nilgiris, for 1884-85.

Expenditure.	Office and General.				Naduvattam Plantation.			
	Actuals, 1882-83.	Sanctioned Budget Estimate, 1883-84.	Regular Estimate, 1883-84.	Budget Estimate, 1884-85.	Actuals, 1882-83.	Sanctioned Budget Estimate, 1883-84.	Regular Estimate, 1883-84.	Budget Estimate, 1884-85.	Amendment by Government.
	Rs. A. P.	Rs.	Rs.	Rs.	Rs. A. P.	Rs.	Rs.	Rs.	Rs.
Salaries.									
Superintendent	2,314 4 7	10,405	7,800	7,200	1,440 0 0	...	...	...	...
Assistant Superintendent ...	...	...	...	...	...	...	...	...	...
Manager	976 11 4	1,200	1,200	1,200	420 0 0	420	420	420	...
Clerks	430 0 0	420	420	420	153 0 0	192	192	192	...
Peons	172 8 0	192	192	192	360 0 0	1,800	1,800	600	...
Head Overseer ...	...	...	...	...	310 7 9	600	600	600	...
Assistant Overseers ...	...	...	...	...	...	...	...	...	...
Propagation.									
Nurseries	...	...	...	...	2,406 0 0	2,500	2,500	2,500	...
Upkeep.									
Working Charges ...	...	...	...	...	10,374 2 2	9,045	9,045	9,045	...
Manure	...	...	...	...	2,489 15 1	3,000	3,000	3,000	...
Crop.									
Collection of Crop ...	...	...	...	...	10,979 12 2	11,400	11,400	5,200	...
Carriage, &c.	4,925 4 4	7,000	7,000	...	915 2 6	600	600	...	...
Buildings.									
New Works	...	...	...	...	1,939 6 6	1,000	1,000	1,000	...
Repairs	...	...	...	...	4,513 11 0	...	...	...	...
Miscellaneous.									
Peons' Clothing	25 0 0	50	50	50	48 0 0	60	60	25	...
Contingencies	555 1 10	1,400	1,400	1,400	248 1 1	400	400	400	...
Miscellaneous—									
Firewood Plantations ...	...	...	...	...	453 4 3	1,700	1,700	1,700	...
Unforseen Charges.									
Miscellaneous	2,043 7 11	1,000	1,000	1,000	...	...	...	...	...
Travelling Allowance ...	...	...	...	1,400	...	...	...	...	...
Total ...	11,473 6 10	21,068	20,462	20,462	35,722 14 6	32,707	32,811	25,786	...

C.—Budget Estimate of Expenditure of the Government Cinchona Plantations, Nilgiris, for 1884-85—*(Continued)*.

Expenditure.	Totals and General.					Pykara Plantation.					Dodabetta Plantation.				
	Actuals, 1882-83.	Sanctioned Budget Estimate, 1883-84.	Regular Estimate, 1883-84.	Budget Estimate, 1884-85.	Amendment by Government.	Actuals, 1882-83.	Sanctioned Budget Estimate, 1883-84.	Regular Estimate, 1883-84.	Budget Estimate, 1884-85.	Amendment by Government.	Actuals, 1882-83.	Sanctioned Budget Estimate, 1883-84.	Regular Estimate, 1883-84.	Budget Estimate, 1884-85.	Amendment by Government.
	rs. a. p.	rs.	rs.	rs.	rs.	rs. a. p.	rs.	rs.	rs.	rs.	rs. a. p.	rs.	rs.	rs.	rs.
Salaries.															
Superintendent	2,814 4 7	2,400	2,400	2,400											
Assistant Superintendent	3,040 0 0	3,100	3,100	3,100											
Manager	976 11 4	1,200	1,200	1,200											
Clerks	1,750 12 11	1,250	1,250	1,200											
Peons	364 3 10	384	384	384											
Head Overseer	2,350 0 0	2,040	2,040	2,040											
Assistant Overseers	1,510 15 6	1,500	1,500	1,500											
Propagation.															
Nurseries ...	5,169 15 0	5,000	5,000	5,000											
Upkeep.															
Working Charges	23,098 14 1	96,426	96,426	99,426											
Manure	6,383 11 2	6,000	6,000	6,000											
Crop.															
Collection of Crop	20,292 13 11	25,850	25,850	16,092											
Carriage, &c.	6,618 8 1	8,400	8,400	6,000											
Buildings.															
New Works	1,961 2 7	1,000	1,000	1,000											
Repairs	5,469 15 10	2,000	2,000	2,000											
Miscellaneous.															
Peons' Clothing	83 0 0	100	100	100											
Contingencies	940 13 11	2,000	2,000	2,000											
Miscellaneous—															
Firewood Plantations	455 4 3	1,700	1,700	1,000											
Unforeseen Charges.															
Miscellaneous	2,043 7 11	1,000	1,000	1,000											
Travelling Allowances															
Total	83,350 15 11	1,00,459	97,859	93,909											

(Signed) H. A. GASS,
Deputy Conservator of Forests, in charge.

OOTACAMUND,
15th June 1883.

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ORDER—dated 18th September 1883, No. 1139, Revenue.

Miscellaneous.

His Excellency the Governor in Council observes that much confusion has been caused hitherto in the budget accounts and estimates of the Cinchona Department by attempts to make them exhibit the position of the estates and the whole results of the year, as well as the actual receipts and charges which enter into the finance accounts of the years to which they relate. In fact, endeavors have been made to show in these statements the value of the crop whether actually realised in money or not, in addition to the sums received and charges incurred in this country. Advices of the prices of bark sold or of products realised are necessarily received from Her Majesty's Secretary of State at long intervals and without reference to the accounts of any particular year; and therefore attempts to classify in budget accounts and estimates the results of each year's crop must only be misleading.

2. Another great cause of confusion and error is the practice which has hitherto prevailed of taking the outturn of a previous, as the basis of the crop estimate of a subsequent, year; instead of making a rational forecast with reference to the condition of the plantations and seasons, and to the quantities of bark which it is deemed expedient to harvest.

3. Whatever may be the necessity of entering in the administrative reports and accounts of the plantations, statements of outturn, value and disposal of the produce, it is clear that in the financial budget statements only receipts and charges entering into the provincial accounts should be shown; and accordingly such figures will alone be dealt with in the present review, analysis of the complete results for the years in question being left for the review of the annual report.

4. *Actuals* 1882-83—*Receipts.*—On the principles above stated, the figures to be adopted are—

	rs.
Value of bark locally sold	1,06,396
Sale of plants, seeds, &c., ...	4,200
Value of bark supplied to the Medical Department	100
Miscellaneous	45
Total ...	1,10,741

The local sale of bark was not anticipated when the estimate was framed; hence the increase.

Charges.—The actual charges in 1882-83 were Rs. 83,351, an amount less than the sanctioned and revised estimates by Rs. 25,182 and Rs. 22,763 respectively. The details are given in the margin. The variations are satisfactorily explained and are due in great measure to savings under Establishments.

	rs.
Sanctioned Estimate for 1882-83 ...	1,08,533
Revised do. do. ...	1,06,114
Actuals for 1882-83	83,351

5. REVISED ESTIMATE, 1883-84—*Receipts.*—It is observed that with the object of further developing a local demand, the sale of 625 bales of Cinchona bark in Madras, within the official year, has been ordered (G.O., 5th September 1883, No. 1080). The value of this bark may be taken at Rs. 97,656; and adding Rs. 5,000 under the minor items above noted, the revised estimate of receipts will be Rs. 1,02,600, in round numbers.

Charges.—The purchase of "Cinchona Villa" will be effected from Public Works funds, and will not be charged to Cinchona in the finance accounts, though the cost will of course be set against the plantations in the administrative accounts. The ordinary charges for the year are estimated at Rs. 97,800 against the sanctioned estimate of Rs. 1,00,500; and with Rs. 8,050, since specially sanctioned (G.O., 6th July 1883, No. 826), the revised estimate of expenditure will be Rs. 1,05,800, in round numbers.

6. *Budget*, 1884-85.—In the present uncertainty as to the future disposal of the produce of the plantations, the Government do not think it safe to enter any sums on account of local sales in 1884-85. The receipts will therefore be entered at Rs. 5,000 as usual. The Deputy Conservator's estimate of charges is Rs. 83,500, the considerable decrease being due, as explained, to a smaller anticipated crop. The Government note that the produce is expected to be only 86,000 lb. against 1,50,000 lb. in 1883-84. The details of the estimate of charges call for no remark.

(True Extract.)

Ag. Secretary to Government.

To the Director, Government Cinchona Plantations, Parks and Gardens, Nilgiris.
" the Accountant-General, with Budget Estimate.
" the Financial Department.
" the Public Works Department.
" the Board of Revenue.

Ex1. W. H. French.

100 Copies.

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Govt. of (1883) Madras.

REVENUE.

Issued

Recd. Enel.

G.O., 18th September 1883, No. 1139.

SEPTEMBER.

Cinchona Budget

for 1884-85.—Reviewing —.

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GOVERNMENT OF MADRAS.

REVENUE DEPARTMENT.

21st December 1881, No. 1955.

READ THE FOLLOWING PAPERS:—

No. 291. From Colonel R. H. BEDDOME, Conservator of Forests, to C. G. MASTER, Esq., Secretary to Government, Revenue Department, dated Ootacamund, 20th October 1881, No. 663.

I HAVE the honor to forward the Budget Estimate of the Government Chinchona Plantations for 1882-83, together with a covering letter from Colonel Jago, the officer in charge, who explains that the delay in submitting it is due partly to his Overseer at Naduvatam having been ill, and partly to the difficulty he has had in arriving at actual data when he has only been eight months in charge.

ENCLOSURE No. 1.

From Lieutenant-Colonel R. S. JAGO, Deputy Conservator of Forests, Nilgiris, to Colonel R. H. BEDDOME, Conservator of Forests, dated Ootacamund, 19th October 1881, No. 355.

I HAVE the honor to submit the Budget Estimate of Receipts and Expenditure of the Government Chinchona Plantations on the Nilgiris for the official year 1882-83.

2. *Receipts.*—The Regular Estimate of receipts from sale proceeds of crop in England amounts to Rs. 6,30,104-3-2 against sanctioned estimate of Rs. 4,50,000 as shown below:—

		£	s.	d.
By	1,215 bales (G.O., No. 964, dated 21st June 1881).	22,006	3	5
,,	250 bales for Manufacture of Quinine—			
	Outturn of 1,000 lb. Quinine Sulph. at 175 shillings	8,750	0	0
	Outturn of 3,000 lb. Chinchonidine Sulph. at 45 shillings	6,750	0	0
,,	305 bales (G.O., No. 1102, 21st July 1881) ...	8,091	19	3
,,	488 bales (G.O., No. 1414, 24th Sept. 1881) ...	6,220	11	0
,,	56 bales, about	690	0	0
	Total ...	52,508	13	8 = Rs. 6,30,124-3-2 at 1s. 8d.

The increase may be accounted for by better prices being obtained than anticipated, but principally from the valuation of the alkaloids to be extracted from the 250 bales retained by the Right Honorable the Secretary of State for the purpose of experimenting whether it would pay better to extract on Government account or sell the raw product in the open market. From the estimate* of the probable outturn of the Quinine and Chinchonidine, and according to the prices quoted for the above salts in G.O., No. 1395, dated 25th October 1880, a sum of Rs. 1,86,000 is the result, and this from 250 bales! The account sales of the last consignment, viz., 56 bales of last year's crop, not having been received, an approximate valuation has been made.

* Paragraph 3 of despatch dated 19th May 1881, recorded in G.O., No. 964, of 21st June 1881.

3. The Regular Estimate of receipts from plants and seed is the same as usual and calls for no remark. I may here state however that the demand for plants of *C. Succirubra* has entirely stopped, and there are whole nurseries at Naduvatam and Pykara which are filled with two years to eighteen months old plants, the major portion of which will have to be cast away owing to there being no call for them. Rs. 10,000 are entered as the Regular Estimate of bark to be

sold to private parties. The actuals for 1880-81 from this item for fifty bales amounted to Rs. 12,800. It is proposed to sell 100 bales† of our poor quality bark, as the good qualities pay better to manufacture than to sell. I think this point of extracting the febrifuge from the whole of the better qualities of Government bark worthy the consideration of the Home Government.

† G.O., No. 1136, dated 5th August 1881.

4. The value of the crop of the current season (which forms the Budget Estimate for 1882-83) is estimated at Rs. 3,97,040 as under :—

Naduvatam and Pykara Plantations.

		lb.	s. d.	£	s.	d.
Crown—						
Natural	... ...	6,900	at 4 8 =	1,610	0	0
Mossed	... ...	9,500	at 6 8 =	3,166	13	4
Renewed	... ...	24,000	at 6 4 =	7,600	0	0
Branch	... ...	6,600	at 3 4 =	1,100	0	0
	Total ...	47,000	=	13,476	13	4
Red—						
Natural	... ...	30,700	at 2 2 =	3,325	16	8
Mossed	... ...	4,700	at 3 0 =	705	0	0
Renewed	... ...	9,300	at 4 6 =	2,092	10	0
Root	... ...	900	at 2 4 =	105	0	0
Branch	... ...	12,400	at 1 7 =	981	13	4
	Total ...	58,000	=	7,210	0	0

Dodabetta Plantations.

Crown—						
Natural	... ...	8,000	at 5 7 =	2,233	6	8
Mossed	... ...	10,000	at 6 1 =	3,041	13	4
Renewed	... ...	20,000	at 7 0 =	7,000	0	0
Branch	... ...	2,000	at 1 8 =	125	0	0
	Total ...	40,000	=	12,400	0	0
	Grand Total ...	1,45,000	=	33,086	13	4 = Rs. 397,040 at 1s. 8d.

5. Rs. 7,500 are estimated as the receipts from plants, &c., for 1882-83. It is proposed to abandon the propagation of *C. Succirubra* (except for estate purposes) and to confine our attention to that of *C. Officinalis* and *C. Pubescens*, for which there is now a fair demand from the plateau, where all house-owners are now turning their waste compounds into chinchona estates!

6. *Charges.*—The charges for 1882-83 are estimated at Rs. 1,10,459.

7. *Salaries.*—A sum of Rs. 2,700 is entered as the salary of the Superintendent for 1882-83 against the Regular Estimate for 1881-82 of Rs. 2,500 and sanctioned estimate of Rs. 2,400 for the same year, as the Government have been pleased to raise the travelling allowance of this officer, *i.e.*, the Deputy Conservator of Forests, Nilgiri Range.

8. *Propagation and Nurseries.*—The allotment is the same as for the previous year and calls for no remark.

9. *Upkeep*—(*a*) *Working Charges.*—This allotment also calls for no remark.

10. (*b*) *Manure.*—The Regular Estimate for Naduvatam exceeds the sanctioned estimate for the current year by Rs. 1,000. This latter amount was specially sanctioned by Government for experiments in patent manure (*vide* their Proceedings, No. 962, dated 21st June 1881). A saving of Rs. 1,000 under this head is shown for the Dodabetta Plantation, which is due to the system of purchasing and carting manure from the Ootacamund Town not having been commenced as yet. Rs. 3,700 are budgeted for the Naduvatam Plantations for the year 1882-83. Government, in paragraph 3 of their Order above referred to, desired that every effort should be made to increase the quantity of cattle manure obtainable at present. It is therefore proposed to erect at Naduvatam a chattram on the same principle as Nunjapa Row's chattram on the Coonoor Ghât (*vide* paragraph 12 of this letter). Of the above sum of Rs. 3,700 it is proposed to lay out Rs. 700 on four carts and bullocks for carting the manure from the chattram to the estate and Rs. 1,000 for its application. Rs. 2,000 are for the usual manuring operations, &c., of this estate.

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11. *Crop*—(*a*) *Collection of Crop.*—A sum of Rs. 24,650 is entered in the Budget Estimate for 1882-83 to collect crop of 165,000 lb. of dry bark, and Rs. 2,000 for constructing barbaques on the several plantations for the purpose of drying bark by the heat of the sun (*vide* paragraph 19 of G.O., No. 1280, dated 29th August 1881). From the past year the premium for insurance of our bark has to be paid here, which accounts for the increase in the actuals, Regular and Budget Estimates under head "Carriage," &c.

12. *Buildings*—(*a*) *New Works.*—The sum of Rs. 34,700, under sanctioned estimate (Naduvatam) for 1881-82, is made up of—

	Rs.	A.	P.
For construction of drying shed and bark-store	32,700	0	0
,, reconstructing cooly lines	2,000	0	0

The amount allotted in G.O., No. 127, dated 17th January 1881, was only Rs. 16,000 for the former work, but I am informed by the Executive Engineer, West Coast Division, in his letter of 25th ultimo, that "Rs. 32,700 has been allotted in the Budget of 1881-82 for Chinchona buildings; the sum required in 1882-83 will be about Rs. 10,000, as in all probability this year's allotment will not be entirely spent owing to late sanction;" hence the decrease in the Regular Estimate.

Under Budget Estimate for 1882-83 Rs. 12,000 are entered for Naduvatam, which consists of the Rs. 10,000 above referred to, and Rs. 2,000 for a chattram to be built on the main road to Wynaad bordering this estate. This station is one of the halting places for carts, &c., *en route* to Wynaad and Ootacamund, but the places for halting is not limited to one particular spot. By erecting a chattram giving shelter to man and beast, cartmen and packmen will be induced to rest for the night at this building; the droppings thus collected will, it is estimated, be considerable in quantity and rich in quality. The plan and estimate for this chattram have been submitted to you.

13. Under this head for Pykara Rs. 5,000 have been allotted for 1882-83. For the Wood and Hooker Estates there is only one shed for drying the bark situated on the "Wood." As the Government is in contemplation of selling or abandoning this latter place, it will be necessary to erect a drying shed on the "Hooker." Indeed, I think it necessary whether the "Wood" is sold or not, as the Hooker bark is now to be transported over a distance of two-and-a-half miles and then to be sent across the river over a wire shoot, a system attended with loss. Moreover it is quite impossible to keep the bark of the two estates separate owing to the limited accommodation in the present shed. In any case, by the time the whole of the *C. Officinalis* plants on the Hooker are fit to crop, it will be absolutely necessary to erect a drying shed on this estate.

14. (*b*) *Repairs.*—The Regular Estimate for Pykara exceeds the sanctioned by Rs. 150, due to a new set of Cutcha Cooly lines having had to be erected on the "Wood." Rs. 3,000 are entered in the Budget Estimate of Naduvatam under this head. The present quarters of the Overseer and Clerk are roofed with thatch, which may at any time take fire and, situated as they are, cause considerable damage to the Plantation. It is therefore proposed to substitute corrugated iron for grass on these buildings at a cost of Rs. 1,500 in accordance with your suggestion contained in paragraph 31 of your report recorded in G.O., No. 1280, dated 29th August last. Rs. 1,000 are allotted for tiling No. 1 bungalow now occupied by the Conservator and Deputy Conservators during their visits to Naduvatam. This sum was entered in the Regular Estimate of the current year (*vide* G.O., No. 127, dated 17th January 1881), but was not utilized.

15. *Firewood Plantation.*—The Regular Estimate under this head is entered at Rs. 1,800 against Rs. 1,000 sanctioned. The excess is due to a larger number of pits being dug than anticipated as labor was very abundant. Rs. 1,000 are required for next year for planting and upkeep.

16. *Unforeseen Charges—Miscellaneous.*—Mr. Cross' salary for 1880-81 amounted to Rs. 1,432-4-2. The Regular Estimate for the current year for the same purpose amounts to Rs. 3,600. Rs. 1,000 are entered as the Budget Estimate for 1882-83 to meet any unforeseen charges which may arise during the year.

Read Official Memorandum, dated 2nd November 1881, No. 385.

No. 292. Official Memorandum from the Conservator of Forests, to the Secretary to Government, Revenue Department, Fort St. George, dated 16th November 1881, No. 760.

WITH reference to Official Memorandum No. 385, the undersigned has the honor to forward a report (in original) from the Deputy Conservator, on the buildings and repair to buildings at Naduvatam Chinchona Plantation proposed for the official year 1882-83.

2. The undersigned having just assumed charge of the Conservator's office is not able to offer any remarks or explanation, and thinks it better not to delay the information furnished by the Deputy Conservator until he is in a position to do so.

(Signed) J. C. WALKER, Major,
for Conservator of Forests.

ENCLOSURE No. 1.

Letter from E. N. PRINGLE, Esq, Executive Engineer, West Coast Division, to Lieutenant-Colonel R. S. JAGO, Deputy Conservator of Forests, in charge of Chinchona Plantation, dated Devála, 28th September 1881, No. A-1.

IN reply to your letter No. 279, dated 21st September 1881, I have the honor to inform you that Rs. 32,700 has been allotted in the Budget of 1881-82 for Chinchona buildings, out of which Rs. 1,730 have been spent up to August. The sum required in 1882-83 will be about Rs. 10,000, as in all probability this year's allotment will not be entirely spent owing to late sanction.

ENCLOSURE No. 2.

Letter from Lieutenant-Colonel R. S. JAGO, Deputy Conservator of Forests, in charge of Chinchona Plantation, to E. N PRINGLE, Esq., Executive Engineer, West Coast Division, dated Ootacamund, 30th September 1881, No. 317.

I INFER from your letter of the 28th instant, No. A-1, that Rs. 22,700 out of the sanctioned sum of Rs. 32,700 will be expended during the current official year on the new Chinchona buildings at Naduvatam, thus leaving a balance of Rs. 10,000 for expenditure in 1882-83. I have now the honor to request that you will be so good as to inform me what time of the next official year the buildings in question will be completed and ready for the purpose of drying Chinchona bark.

2. I have already brought to your notice in paragraph 2 of my letter No. 173, dated the 5th ultimo, the condition of the present drying-shed at Naduvatam and the consequent loss to Government in this year's crop. Should the completion of the new drying-shed be delayed till next year there will be a further heavy loss to Government. I shall, however, address Government separately on the subject on receipt of your reply to this letter.

ENCLOSURE No. 3.

Letter from E. N. PRINGLE, Esq., Executive Engineer, West Coast Division, to Lieutenant-Colonel R. S. JAGO, Deputy Conservator of Forests in charge of Chinchona Department, Nilgiris, dated Mannanttody, 15th October 1881, No. 480.

IN reply to your letter No. 317, dated 30th September 1881, I have the honor to state that I hope to have the buildings at Naduratam completed by 31st July 1882; every exertion will be made to do this, but it will depend, of course, a good deal on the labor question. On my recent inspection of the existing Chinchona drying-shed, I find serious faults in design which will apparently be again carried out in the revised plan. For instance, the roof is a single one of corrugated iron, and as the fires are banked up at night and the fall of temperature externally is considerable, the moisture within the building is necessarily deposited upon the cooled iron and falls again on the bark.

ENCLOSURE No. 4.

Letter from Lieutenant-Colonel R. S. JAGO, Deputy Conservator of Forests, in charge of Chinchona Department, to the Secretary to Government, Revenue Department, Fort St. George (through the Conservator of Forests, Madras), dated Ootacamund, 10th November 1881, No. 432.

I HAVE the honor to forward the following remarks on Government Official Memorandum No. 385, dated 2nd instant:—

1. *Sheds for drying and storing bark.*—With his letter No. 149, dated 15th November 1877, the late Mr. A. McWebster, then Commissioner of the Nilgiris, and in charge of the Chinchona Department, submitted to Government plans and estimates for these works, amounting to Rs. 35,730. The system proposed for heating was by hot-water pipes. After the results of certain drying experiments were known, the Government in their Order No. 1, dated 3rd January 1880, decided upon the construction of these sheds, but disapproved of hot-water pipes; directing that the usual system of heating by hot-air flues should be continued. The plans and estimates were therefore forwarded to the Public Works Department for revision. In G.O., No. 2 of same date, Government were pleased to allot the sum of Rs. 20,000 towards the construction of these buildings for the official year 1880-81. In G.O., No. 1867, dated 20th October 1880, Government, while passing the revised plans and estimates submitted, and directing certain modifications, directed that a further allotment of Rs. 16,000 should be entered in the Budget Estimate for 1881-82. By G.O., No. 1654, dated 7th December 1880, certain other modifications were directed to be made in the plans, &c.

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2. No portions of the sums allotted for the official years 1879-80 and 1880-81 were spent, owing, I presume, to no final plans being ready.

3. I enclose copy of a letter from the Executive Engineer, West Coast Division, from which it will be seen that he proposes to spend about Rs. 22,700 on these buildings by the end of the current official year and suggests that a sum of Rs. 10,000 be carried forward into the next Budget estimate. Hence the entry in the Budget Estimate for 1882-83. So far as I was able to gather during my last visit to Naduvatam, I find that the following is all that is ready towards the construction of these buildings:—

About 70,000 country-made bricks.
" 18,000 machine "
" 1,500 Parahs of river sand.

I beg to enclose copies of two letters on the subject between the Executive Engineer and myself.

4. *Gram Store.*—Ragi store was completed in 1879 at a cost of Rs. 3,250—*vide* G.O., No. 21, dated 7th January 1879.

5. *Cooly lines.*—I give below the number of cooly lines in existence on the Naduvatam Plantation with their cost against the sanctioned Budget allotment.

Years.	Number of Huts.	Cost.	Budget Grant.
		RS. A. P.	RS.
1878-79	31	2,055 13 3	2,000
1879-80	52	1,523 12 11	4,000
1880-81		5,552 8 1	5,000

Of the 31 huts 20 have to be demolished during the current year to make room for the proposed drying-shed. The sum of Rs. 2,000 was allotted in the Budget estimate for the current year for their re-erection elsewhere. This will be completed before the close of the year, after which no more new lines will be required for this estate. Of course, all the lines will require annual repairs, for which the provision will be made.

6. *Assistant Superintendent's Quarters.*—Those were completed during the year 1880-81 at a cost of Rs. 2,000.

7. *Repairs to Superintendent's Quarters.*—The sum of Rs. 1,000 alluded to in the memorandum under reply (fourth work) was entered in the Regular Estimate for 1880-81, for securing the roof of the Superintendent's Bungalow and not the Assistant Superintendent's as stated. It was proposed to do the work within the year (1880-81), and therefore no provision was made in the Budget for the current year as erroneously mentioned; owing, however, to materials not being procurable, the repairs were not carried out. No allotment having been made and therefore no funds being available for the current year, and as the repairs are very necessary, a sum of Rs. 1,000 was entered in the Budget for 1882-83 for the purpose.

8. *Reconstruction of Cooly lins.*—This work alluded to in paragraph 5 will be completed before the close of the current official year.

9. *Repairs to Overseer and Clerk's Quarters.*—The roofs of these buildings consist of grass; it is therefore proposed to re-do them, substituting iron for the grass. I enclose a detailed estimate.

ESTIMATE for re-doing Roof of Overseer and Clerk's Quarters at the Government Chinchona Plantation, Naduvatam.

Particulars.	Rate.	Amount.
Overseer's Quarters.	RS.	RS. A. P.
8·25 Squares—Roofing ...	50	412 8 0
Clerk's, &c., Quarters.		
21·75 Squares—Roofing ...	50	1,087 8 0
Total ...	...	1,500 0 0

NADUVATAM,
9th November 1881.

(Signed) H. HILLIER,
Acting Assistant Superintendent.

No. 293. ORDER THEREON, 21st December 1881, No. 1955.

Miscellaneous.

THE Conservator of Forests submits, without remark, the Budget Estimate of the Government Chinchona Plantations for 1882-83, as prepared by the Deputy Conservator in charge of those Plantations. Instructions will be issued separately in regard to the future preparation and submission of this Budget.

2. REGULAR ESTIMATE, 1881-82—*Receipts.*—The receipts for the current year are calculated at Rs. 6,48,000, *i.e.*, Rs. 1,84,000 in excess of the Sanctioned Estimate, and consist of the following items :—

	1881-82. Regular Estimate.	1881-82. Sanctioned Estimate.
	RS.	RS.
(*a*) Value of bark sent home	6,30,104	4,50,000
(*b*) Value of bark supplied to private parties ...	10,000	...
(*c*) Sale proceeds of plant and seed, &c.	8,000	8,000
(*d*) Value of bark supplied to Medical Departments, Madras and Bombay	...	6,000
Total ...	6,48,104	4,64,000

3. The Deputy Conservator explains that the increase in (*a*) is due partly to "better prices being obtained than anticipated" on sales of the bark already effected in England, "but principally" to the high value of the alkaloids to be extracted from the 250 bales retained* by the Secretary of State. His calculation of Rs. 1,86,000 is based on the produce of the 250 bales being 1,000 lb. of quinine sulphate and 3,000 lb. of chinchonidine sulphate. The latter figure, however, is a mistake for 300 lb., and this at once reduces the estimate for that item from £6,750 to £675. The cost of manufacture cannot be taken into account as it is not at present known, so the gross value will be shown here, leaving the charges to be adjusted against the large surplus expected. The other items call for no remark. The total receipts† then come to Rs. 5¾ lakhs in round numbers and exceed the Sanctioned Estimate by Rs. 1,11,000. This excess is due, not to higher prices as stated (for there was a general fall in the market prices for Chinchona bark), but chiefly to the larger consignments of bark sent home as shown below, and partly to the greater profit expected to be realized from manufacture in lieu of sale of 250 bales of the bark :—

* Paragraph 3 of Despatch, 19th May 1881, No. 14, in G.O., 21st June 1881, No. 964.

	RS.
† Value of bark £46,433-13-8, at 1*s.* 8*d.*	5,57,204
Other items	18,000
Total ...	5,75,204

Vide paragraph 2 of the Despatch above quoted.

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	LBS.
Quantity estimated to be shipped in framing the Budget, 1881-82, *vide* paragraph 2 of G.O., 17th January 1881, No. 127 ...	2,00,000
Quantity actually shipped, the sale proceeds of which are likely to be realized this year—	LBS.
(1) G.O., 26th January 1881, No. 185 ...	152,044
(2) G.O., 8th March " " 416 ...	31,337
(3) G.O., 16th May " " 771 ...	51,355
(4) G.O., 15th July " " 1079 ...	5,697
	2,40,433

4. The instruction in paragraph 2 of G.O., 3rd January 1880, No. 2, in regard to rounding figures and omitting fractions of Rupees in Budget estimates should in future be carefully attended to.

5. REGULAR ESTIMATE—*Charges.*—The Charges are estimated at Rs. 1,17,659, the grant being Rs. 1,03,809 not Rs. 1,20,509 as entered in the Statement. The difference (Rs. 16,700) between the last two figures occurs under "Buildings—New Works." The amount will be struck out, as no authority can be traced sanctioning modification of the Budget grant. The excess of Rs. 13,850 in the Regular over the Sanctioned Estimate occurs chiefly in the following items :—

G.O., 17th January 1881, No. 127.

	RS.
Sanctioned amount	20,000
Amount entered as such in the Budget Statement	36,700
Difference ...	16,700

	RS.
(*a*) Carriage of Crop	2,500
(*b*) Buildings—New Works	6,700
(*c*) Unforeseen Charges	3,600
Total ...	12,800

The necessity for items (*a*) and (*c*) is explained in the Deputy Conservator's paragraphs 11 and 16 and item (*b*) will be allowed to stand, as the allotment in the Sanctioned Estimate for the Buildings at Naduvatam is only Rs. 16,000 and it is expected (Public Works G.O., 29th November 1881, No. 2975-W, Department) that Rs. 22,000 will be spent this year. The total amount of Rs. 22,700 should be placed to the credit of the Public Works Provincial Budget. Further, the Regular Estimate will be enhanced by Rs. 18,000, which is the supplemental grant sanctioned by G.O., 7th December 1881, No. 1882, for the purpose of uprooting the red barks on grass land.

6. The Regular Estimates as modified by Government stand as follow :—

Budget Estimate for 1881-82.	RS.		RS.
Receipts	4,64,000	Receipts	5,75,200
Charges	1,03,809	Charges	1,35,660
Surplus ...	3,60,191	Surplus ...	4,39,540

7. BUDGET ESTIMATE, 1882-83—*Receipts.*—The Receipts for next year are estimated at Rs. 4,08,540, against Rs. 4,64,000 and Rs. 5,75,000, the Sanctioned and Regular Estimates respectively for the current year, the actuals of the last five years being as shown in the margin. The estimate is based on the expected outturn* and value of the current year's crop as particularized in paragraph 4 of the Deputy Conservator's report. The estimate of outturn, however, does not include the 100,000 lbs. of dry bark referred to in the correspondence embodied in G.O., 7th December 1881, No. 1882, which it is expected will

	Actuals. RS.
1876-77	1,10,457
1877-78	3,57,215
1878-79	4,00,354
1879-80	4,39,787
1880-81	4,34,261
Total ...	5)17,42,074
Average ...	3,48,415

* lb. 1,45,000.

fetch about Rs. 1,00,000 according to the latest prices. The Estimate for 1882-83 will therefore be raised in round numbers to five lakhs of rupees.

8. *Charges*, 1882-83.—The Charges are estimated at Rs. 1,10,460 and compare as follows with the Actuals of the last five years and the Sanctioned and Regular Estimates for the current year:—

	Actuals. Rs.
1876-77	59,630
1877-78	69,770
1878-79	73,680
1879-80	79,720
1880-81	96,100
	5)3,78,900
Average ...	75,780
Sanctioned Estimate, 1881-82	1,03,810
Regular do. do.	1,35,660

9. The component items of the Estimate for 1882-83 as compared with those of the Sanctioned and Regular Estimate are shown below.

	1881-82.		1882-83, Budget Estimate.
	Sanctioned Estimate.	Regular Estimate.	
	Rs.	Rs.	Rs.
(a) Salaries	13,284	13,384	13,584
(b) Propagation	5,000	5,000	5,000
(c) Up-keep	33,425	33,425	33,125
(d) Crop	27,500	48,000	33,650
(e) Buildings...	21,500	28,350	21,000
(f) Miscellaneous	3,100	7,500	4,100
Total ...	1,03,809	1,35,659	1,10,459

The increase of Rs. 300 under (*a*) for extra travelling allowance to the Deputy Conservator, which has been disallowed by the Government of India (G.O., No. 1700, dated 11th November 1881), will be struck out. The abnormal increase against (*d*) "Crop" in the Regular Estimate has already been noticed—*vide* paragraph 6 *supra*. The increase over last year in the Budget Estimate against (*d*) includes Rs. 2,000 for constructing "barbaques for the purpose of drying bark by the heat of the sun,"—an experiment sanctioned by G.O., 29th August 1881, No. 1280, paragraph 19. It is undesirable to provide permanent accommodation to meet the requirements of an experimental operation, but the provision will be retained and transferred to the head "Buildings" on the understanding that the outlay is limited to actual and unavoidable requirements. (*e*) The provision for "Buildings—New Works" is composed of the following items:—

	Rs.
I. Completion of Chinchona Buildings, Naduvatam	10,000
II. Construction of a Chattram on the main road to Wynaad ...	2,000
III. Construction of a Drying-shed on the "Hooker" estate ...	5,000
Total ...	17,000

I. The additional amount required according to the estimate* for completing the Naduvatam buildings next year will be Rs. 8,374 (Rs. 22,700 having altogether been provided in the Sanctioned and Regular Estimate for the year), and that amount will be placed to the

* G.O., 29th November 1881, No. 2975-W, P.W.D.

credit of the Public Works Provincial Budget for 1882-83, the estimate in the Chinchona Budget being reduced to the same figure.

Estimates and plans have not been submitted for items II and III which will however be allowed to stand; but no expenditure is to be incurred on II, pending further report and sanction, and as regards III, pending decision on the question referred to in paragraph 5 of G.O., No. 1280, dated 29th August 1881.

The provision of Rs. 4,000 for "Repairs" is approved under the circumstances stated in paragraph 14 of the Deputy Conservator's letter and in his further communication, dated 10th November 1881, No. 432.

Except as regards the Naduvatam buildings, it is not clear whether any of the "New Works and Repairs" are intended to be undertaken by the Public Works Department. If any are, they should be specified so that the necessary transfer of funds may be made to the Public Works Provincial Budget.

The Budget estimates as passed by Government are as follows:—

	Rs.
Receipts	5,00,000
Charges	1,08,533

or in round numbers—1,08,500.

(True Extract.)

Secretary to Government.

To the Conservator of Forests.
" the Accountant-General, with Budget Estimates.
" the Financial Department.
" the Public Works Department.
" the Board of Revenue.
" the Commissioner of Nilgiris.

Exd. J. W. Fischer.

80 Copies.

Govt. of {1881} Madras.

REVENUE.

To

THE CONSERVATOR OF FORESTS,

&c., &c., &c.

Dated December 21st, 1881.

Printed January 17th, 1882.

Read. 3rd July 82 *Encl.*

G.O., 21st December 1881, No. 1955.

DECEMBER.

Nos. 291—293.

SUBJECT.

Chinchona Budget Estimate, 1882-83.—Passing orders on —.

B/

No 338 W.

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 7th July 1882

Read the following :—

1139/82

Proceedings Rev Dept (No 1955 of 21st Dec 1881)

Communicated to the Superintending Engineer 4th Circle and the Examiner Public Works Account.

2. The sum of Rs 22,700 placed at the disposal of the Department will be taken as an addition to the Public Works Provincial Grant for 1881-82, also Rs 8,374 in the budget Estimate of 1882-83. No provision has been made by the Revenue Department on account of Establishment Charges and Tools and Plant.

S.E 4 Circle ✓
Exr P W Acct ✓
Rev Dept ✓
Financial Dept ✓
Despd 8-2-82

C4 6-2-82

1139/13 Revenue Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read G.O. Public Works Department. No. 338 W, dated 7th February 1882, stating that the sums of Rs. 22,700 and 8,374 will be taken as additional P.W. Provincial grants for the years 1881-82 and 1882-83 respectively.

Order thereon, 17th February 1882, No. 350.

Records.

(True Extract.)

[signature]

Ag. under Secy. to Govt.

To
The P.W. Deptt.
" Board of Rev.
" Conservator of Forests.

Encl. C.S.

B. No. 338 Wat 7th Feby 82

Subd in Receipt Regr.

Subdn Regr

B № 475 Wapp.t Felyer
Lodge