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MADRAS RECORD OFFICE.

Government of Madras.

Revenue DEPARTMENT.

G.O. No.

1955

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Mis.

Dated

21-12-1881.

Not to be folded or roughly handled

GOVERNMENT OF MADRAS.
REVENUE DEPARTMENT.

21st 1881
November 1881, No. 1955

READ THE FOLLOWING PAPER:—

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	8,750	0	0
175 shillings			
Outturn of 3,000 lb. Chinchonidine Sulph.	6,750	0	0
at 45 shillings			
" 305 bales (G.O., No. 1102, 21st July 1881)	8,091	19	8
" 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.

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 *O. 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.

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:—

Naduvatum 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 =		7,500	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 3 =		125	0 0
Total	40,000		12,400	0 0
Grand Total	1,45,000		33,086	13 4 = Rs. 3,97,040 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 *O. Succirubra* (except for estate purposes) and to confine our attention to that of *O. Officinalis* and *O. Pubescens*, for which there is now a fair demand from the plateau, where all house-owners are now turning their waste compounds into chincona 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 Naduvatum 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 Naduvatum 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 Naduvatum 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.

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 (Naduvatum) 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 Chincona 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 Naduvatum, 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 *O. 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 Cutch Cooly lines having had to be erected on the "Wood." Rs. 3,000 are entered in the Budget Estimate of Naduvatum 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 Naduvatum. 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.

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62009
Chinchona Budget
Estimate 1882-83

Recd

In L.O. No. 19558 21-12-81

GOVERNMENT OF MADRAS.
REVENUE DEPARTMENT.

21st December 1881, No. 1955.

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

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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 Naduvatom 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 Naduvatom, 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 Naduvatom 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 Mannantody, 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 Naduvatom 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, amount-

ing 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. 1367, 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.

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 Naduvatom, 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 Naduvatom 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 due provision will be made.

6. *Assistant Superintendent's Quarters.*—These 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 line.*—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, Naduvatom.

Particulars.	Rate.	Amount.
<i>Overseer's Quarters.</i>	RS.	RS. A. P.
8.25 Squares—Roofing ...	50	412 8 0
<i>Clerk's, &c., Quarters.</i>		
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. RS.	Sanctioned Estimate. 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.

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

Vide paragraph 2 of the Despatch above quoted.

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:—

The other items call for no remark. The total receipts† then come to Rs. 5³/₄ 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

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:—

	RS.
Sanctioned amount ...	20,000
Amount entered as such in the Budget Statement ...	36,700
Difference ...	16,700
(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 Naduvatom 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.	
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, Naduvatom	10,000 X
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 Naduvatom 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

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 Naduvatom 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.)

(Signed) C. G. MASTER,
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.

Original

Gobt. of (1881) Madras.
REVENUE.

THE CONSERVATOR OF FORESTS,

At, At, At.

Dated December 21st, 1881.

Printed January 17th, 1882.

Recd.

Encl.

G.O., 21st December 1881, No. 1055.

DECEMBER.

Nos. 291-293.

Summary.

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

No. 305

Office of Deputy Conservator of Forests
Cotacamund, 19th October, 1881

From, Lt. Col. N. S. Sago
Deputy Conservator of Forests
Nilgiris

To
Col. R. W. Reddome
Conservator of Forests
Madras

Sir, I have the honor to submit the
Budget Estimate of Receipts & Expenditure
of the Govt. 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 amount to Rs 630,104-3-2 Against
Sanctioned estimate of Rs 1,50,000 as shown
below:—

By 1215 Bales (G.O. No 964)
21st July 1881 = 22006-3-5

Forwarded Rs 22006-3-5

Brought forward 22006-25

By 250 Bales for Manufacture
of Quinine

(Out turn of 1000 lbs Quinine

Sulph. @ 175 Shillings = £ 8750 - - -

3000 lbs Chinchona Sulph.

@ 15 Shillings = £ 6750 - - -

305 Bales (C.O. No 1102)
(21st Sept 1881) = £ 8091 12-3

438 Bales (C.O. No 1111)
(24th Sept 1881) = £ 6220 - - -

56 Bales About = £ 690 - - -

Total (Ls. 52508-13-8 = £ 630124-3-2 @

The increase may be accounted for by both
prices being obtained than anticipated, but
principally from the valuation of the Alkaloids
to be extracted from the 250 bales retained by
the Right Honourable the Secretary of State
for the purpose of experimenting whether it would
pay better to extract on Govt Account or sell
the raw product in the open market. From
the estimate of the probable out turn of the Quinine
& Chinchona & according to the prices quoted
for the above salts in C.O. No 1395 dated 25th Feb 1881

* Para 3 of Despatch
dated 19th May 1881
recorded in C.O. No.
961 of 21st June 1881

1881

1880, a sum of £ 186,000 is the result, & 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.

The Regular Estimate of receipts from
Plants & Seed is the same as usual and calls
for no remark. I may here state however
that the demand for plants of *C. Succirubra* as
has entirely stopped, and there are whole nurseries
at Keddriakum & Pykora which are filled
with 2 years to 18 months old plants, the major
portion of which will have to be cast away
owing to there being no call for them. £ 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 50 Bales amounted to £ 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 Govt bark worthy of consideration of the Hon^{ble} Government.

1136
C.O. No. 1366
dated 5th August
1881.

The value of the crop of the current season (which forms the Budget Estimate for 1882-83) is estimated at Rs 397040. As under

Kodumattam & Pukara Plantations

Crown to S.P. L. H. D.
Natural 1900 @ 1/2 = 1610

Mixed 9500 @ 1/8 = 3166 13-4

Reserved 24000 @ 6/4 = 7600

Branch 6600 @ 3/4 = 1100

Total 47000 = 13476-13-4

Red L. H. D.

Natural 30700 @ 2/2 = 3325-16-8

Mixed 1700 @ 3/4 = 705

Reserved 9300 @ 4/6 = 2092-10-0

Root 900 @ 2/4 = 105

Branch 12400 @ 1/7 = 981-13-4

Total 58000 = 7210

Crown Dodabetta Plantations

Natural 8000 @ 5/7 = 2233-6-8

Mixed 10000 @ 6/4 = 3041-13-4

Reserved 20000 @ 7/4 = 7000

Branch 2000 @ 1/3 = 125

Total 40000 = 12400

Grand total 145000 = 33386-13-4 = Rs 397040 @ 1/2

Rs 7500 are estimated as the receipt from Plants &c for 1882/83. It is proposed to abandon the propagation of *C. Succumbra* (except for Estate purposes) and to confine our attention to that of *C. officinalis*, & *C. pubescens* for which there is now a fair demand from the plateau where all house owners are now turning their waste compounds into *Chrysomela* Estates!

Charges — The Charges for 1882/83 are estimated at Rs 110657

Salaries — A sum of Rs 2700 is entered as the salary of the Superintendent for 1882-83, against the Regular Estimate for 1881-82 of Rs 2500 & a sanctioned estimate of Rs 2400 for the same year, as the Govt have been pleased to raise the Travelling allowance of this Officer i.e. the Deputy Conservator of Forests, Nilgiris.

Propagation & Nurseries.—The Allotment
is the same as for the previous year & calls for
no remark.

Upkeep.—(a) Working Charges.—The
Allotment also calls for no remark.

(b) Manure.—The Regular Estimate
for Neddiathum exceeds the sanctioned
estimate for the current year by Rs 1000.—
This latter amount was specially sanctioned
by Govt. for experiments in patent manure
vide their proceedings No. 962 dated 21st June
1881. A saving of Rs 1000 under this head is
shown for the Dodabetta Plantation
which is due to the system of purchasing,
& carting manure from the Ootacamund
Town not having been commenced as yet.
Rs 3700 are budgetted for the Neddiathum
Plantation for the year 1882-83. Govt.
in para 3 of their order above referred to desire
that every effort should be made to increase
the quantity of cattle manure obtainable at
present.

Chinchoru (1887) Department

To

The Secretary to Government
Revenue Department

Fort St George
through the Commissioner of Forests

Dated 10 }
Recd 1 } November 1887

N^o 432

Rev: 6/11/87.

Encls: 4.

Subject

Forwarding explanations
for certain items of the Budget
Estimate for 1882-83 as required
in the Official Memo N^o 385
dated 2^d instant

present. It is therefore proposed to erect at
Keddiahallam a Chutrum on the same principle
a Nungapa Roor's Chutrum on the same principle
vide para 12 of this letter. Of the above
sum of Rs 3700 it is proposed to lay out
Rs 700 on four carts & bullocks for carting
the manure from the Chutrum to the Estate
& Rs 1000 for its application. Rs 2000 are for
the usual manuring operations &c. of this Estate

(ref —: (A) Collection of Crop —: A
sum of Rs 24 650 is entered in the Budget
Estimate for 1882-83 to collect crop of 165000
Hrs of dry bark, and Rs 2000 for constructing
barbagues on the several Plantations for
the purpose of drying bark by the heat of
the Sun, vide para 19 of L. 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.

Buildings —: as New Works —: The
Sum of Rs 34700, under Sanctioned Estimate
(Kodumathum) for 1881-82, is made up of
For construction of Dryupshed &
Barkstore Rs 32700 —

reconstructing Cuddy Lines — 2000 —
The amount allotted in Ls. O. No. 127 dated 17th
January 1881 was only Rs 16000 for the former work,
but I am informed by the Executive Engineer, West
Coast Division in his letter of 25th ultimo
that Rs 32700 has been allotted in the Budget
of 1880-82 for Chuchoua buildings, the sum
required in 1882-83 will be about Rs 10000, 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 12000 are entered for Kodumathum, which
consists of the Rs 10000 above referred to, & Rs 2000
for a Chutram to be built on the main Road
Myaad bordering this Estate. This
station is one of the halting places for carts &
Europe

22
enroute to Myaad, and Ootacamund, but
the place for halting is not limited to
one particular spot. By erecting a Chutram
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 & rich in quality.
The plan & estimate for this Chutram have
been submitted to you

Under this head for Pykara Rs 5000
have been allotted for 1882-83. For the
Wood & Hooker Estates there is only one
shed for drying the bark situated on the
"Wood". As the Govt 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 2 1/2 miles
and then to be sent across the river on

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 *Le. Officinalis* plants
on the Hooker are fit to crop it will
be absolutely necessary to erect a Drying
Shed on this Estate.

14. (a) Repairs—: The Regular Estimate
for Pykara exceeds the sanctioned by
Rs 150, due to a new set of Cutcha Cooly
Quies having had to be erected on the
"Wood". Rs 3000 are entered in the Budget.
Estimate of Neddiattam under this head.
The present quarters of the Quere, & 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 1500 in accordance with your

20.
Suggestion contained in paragraph 31 of
your report recorded in L. O. No 1280 dated
29th August last. Rs 1000 are allotted for
letting No. 1 Bungalow now occupied by the
Conservator & Deputy Conservator during
their visits to Neddiattam. This sum
was entered in the Regular Estimate
of the current year, under L. O. No 127 dated
17th January 1881, but was not utilized.

15. Firewood Plantation—: The Regular
Estimate under this head is entered at
Rs 1800 against Rs 1000 Sanctioned. The
excess is due to a larger number of pits
being dug than anticipated as labor
was very abundant. Rs 1000 are required
for next year for planting & upkeep.

16. Unforeseen Charges—: Miscellaneous.
Mr. Leroc's salary for 1880-81 amounts
to Rs 11432-10-2. The Regular Estimate
for the current year for the same purpose
amounts to Rs 3000. Rs 1000 are entered

as the Budget Estimate for 1882-83 to
meet any unforeseen charges which may
arise during the year.

Received by
the Dy. Commr.
of the
Forest
Dept.
No. 355
Dated 19th
Dec. 1882
Submitted to the Dy. Commr.
for his signature on the
Budget Estimate for 1882-83
and forwarded to the
Conservator of Forests.

No. 663. Office of Conserv. of Forests
Ootacamund, 20th Oct. '82

From
Colonel R. E. Reddome,
Conservator of Forests.

To, C. G. Master Esquire
Secretary to Government
Revenue Department
Ootacamund.

Sir, I have the honor to for-
ward the Budget Estimate of
the Government Cinchona planta-
tions for 1882-83 together with a
covering letter from Colonel Jago,
the Officer in Charge, who ex-
plains that the delay in sub-
mitting it is due partly to
his Overseer at Reddickham
having been ill, and partly to
the difficulty he has had in
arriving at actual data, when
he has only been 8 months in
charge.

I have the honor to be
Sir,
Your most obedt. Servt.
R. E. Reddome Colonel
Conservator of Forests.

10.17.1.87 Not 3149-50

Special
Revenue 1882 Report
No 54/43

Not on 2.11.81 No 385

Revenue Forest
From Print
3/11
The Conservator of Forests
To The Secretary to Govt.
Revenue Department
Cochin.

Dated 20th October '81
Recd 20th

No 663
(Enclosures No 3)

Subject

Govt. Cinchona plantations
on the Nilgiris

Submitting the Budget
estimate of —
for 1882-83

20.12.81 R. 21.12.81

No 760. 2
Official Memorandum

With reference to Official Memo
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 Nedivattam Cinchona 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.

Hampden Smith Major
Office of Conservator of Forests
Madras. } For Conservator of Forests
16 November 1881

To.
The Secretary to Government
Revenue Department
Fort Saint George.

CP 5773/81

Revenue Department
No. 6417

1881-82.

Revenue - Forests

J. M.
From,

The Conservator of Forests

To The Secy. to Govt.
Rev. Depart.
Fort St. George.

Dated 16th
Despd: 17th
Recd: 18th Novr. '81

No. 760
(Enclosure One)
Subject.

Chichona Buildings at
Maddurattam.

Forwarding Report
and Estimate for Construc-
-tion of _____ as cal-
-led for in O. M. No. 385
dated 2nd Novr. '81.

Executive Engineer's Office
Davalah 28th September 1881

To, A

From

Enclosure No

The Executive Engineer
West Coast Division

To,

The Deputy Conservator of Forests
in Charge of Chichona
Plantation

Sir

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

I have the honor to be
Sir

Your most obed^t servant,
Edw. C. V. Pringle
Executive Engineer

True Copy

W. J. J. Lins (signed)
Deputy Conservator of Forests
in charge

Encl.

No 317.

Potacumund
By Conservators office
30 Sept 1881

From

The Dy. Conserv. of Forests
in Charge Chinchona

To The Executive Engineer
West coast Division,

Sir,

I infer from your letter of
the 28. Instant no. 7, that Rs. 22,700 out
of the sanctioned sum of Rs. 32,700
will be expended during the current
year on the ^{new} Reddwarthum Chinchona
building at Reddwarthum, thus leaving
a balance of Rupees 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 year
the building in question will be completed
& ready for the purpose of dropping Chinchona
back.

2. I have already brought to your notice
in para 2 of my letter No 173 of the 5. ultimo
the condition of the present dropping

shed at Reddewattam & the
consequent loss to Government
in this years 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 Govt. separately
on the subject on receipt of
your reply to this letter.

I have the honor to be
Sir

/signed/ R. S. Jago Lt Col
Dy Commr. of Forests

/True copy/

W. Jago Lieut Colonel
Dy Commr. of Forests

To, 480

Executive Engrs office W.C. D.
Camp Kundaray 15th October 1881

From

The Executive Engineer
W.C. Division

To,

The Dy Commr. of Forests
in Charge Chinchana Depts.
Belgiris

Sir

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 Reddewattam 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 Chinchana 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 ribs are banded 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.

I have &c

/True copy/ W. J. Pringle
Ex. Engrs W.C. D.
W. Jago Lieut Colonel
Dy Commr. of Forests in Charge

No. 3

432

Office of
Government Chinaman Department
October 10 November 1877

From,

The Deputy Conservator of Forests
in Charge Chinaman Department

To,

The Secretary to Government
Revenue Department

Through the Conservator of Forests
Madras.

I have the honor to forward
the following remarks on ^{Government} Official Memo
No. 385 dated 20 Instant.

1. Sheds for drying and storing bark.
With his letter No. 109 dated 15 November
1877, the late Mr. A. M. C. Melister then
Commissioner of the Nilgiris and in charge
of the Chinaman 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
18 January 1878 decided upon the construc-
tion 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. 109 dated 15 November 1877.

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. 1367 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. 1651, dated 7th December 1880, certain other modifications were directed to be made in the Plans &c.

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 Meddivattam, I find that the following

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following is all that is ready towards the construction of these buildings.

about 70,000 Country made bricks
18,000 Machine

15,000 Parahs of river sand.

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

4 Gram Stone. Ragi stone was completed in 1879 at a cost of Rs 3250. vide G. O. No. 21 dated 7th January 1879.

5 Cooly lines. I give below the number of cooly lines in existence on the Meddivattam 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		5552	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 2000 was allotted in the Budget Estimate for the current year for their re-erection elsewhere. This will be completed before the close

of

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 due provision will be made.

6. Asst. Superintendent's Quarters. These 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 Asst. 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.

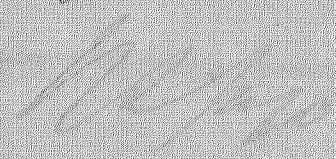
8. Reconstruction

8. Reconstruction of Cooly line. This work alluded to in para 5 will be completed before the close of the current Official year.

9. Repairs to Overseer's and Clerk's Quarters. The roofs of these buildings consist of grass; it is therefore proposed to redo them substituting iron for the grass. I enclose a detailed Estimate.

I have the honor to be
Sir

your most Obedt. servant

 Lieut Colonel

5th Conservator of Forests
in Charge Chindwara

49

Estimate for re-roofing of Quersens Clerks
quarters at the Govt. Chincha Plantation, Mollwathum

Particulars	Rate	Amount
<u>Quersens Quarters</u>		
8-25 Squares Roofing	50	412 8
<u>Clerks Quarters</u>		
21-75 Squares Roofing	50	1087 8
Total Rupees		1500

Office of Capt. Sup. to
Govt. Chincha Plantation
Mollwathum 9th November
1881

(Sd) H. H. H. H.
By Capt. Superintendent
Mollwathum

Done



Revenue Department

C. No 511/3

Draft G.O. No 1955-728 December 1881

C. no 5773

Read letter with 3 en-
losures from the Conservator
of Forests dated 20 October
1881 No. 663.

C no 6417

Read also O. No. 2466
2nd November 1881 No. 385 &
letter from Conservator
dated 16 November 1881 No.
460 with enclosed.

The Conservator of
Forests submits, without
remark, the Budget Estimate
of the Government Chin-
chona Plantations for 1882-
83, as prepared by the
Deputy Conservator in charge
of those Plantations. In-
structions will be issued
separately in regard to
the future preparations

By order of the
Secretary to the Government

G. H. and
2/12/81

and submission of this Budget.

2. Regular Estimate 1881-82.

Receipts. The receipts for the current year are calculated at Rs. 6,18,000, i.e. Rs. 1,84,000 in excess of the sanctioned estimate, and consist of the following items.

	1881-82	
	Regular Estimate	Sanctioned Estimate
(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 bark and seeds &c.	8,000	8,000
(d) Value of Bark supplied to Medical Dept ^s Madras & Bombay	"	6,000
	<u>6,48,104</u>	<u>4,64,000</u>

3. The Deputy Conservator explains that the increase in (a) is due partly to "better prices being obtained than anticipated" or sales of the bark already effected in England but principally to the high value of

* Para 3 of Despatch 19 May 1881 No. 14 in G. O. 21 June 1881 N. 964.

the alkaloids to be extracted from the 250 bales retained by the Secretary of State. His calculation of Rs. 1,84,000 is based on the produce of the 250 bales being 1000 lbs of Quinine Sulphate and 3000 lbs of Cinchonidine Sulphate. The latter figure however is a mistake for 300 lbs and this at once reduces the estimate for that item from Rs. 6450 to Rs. 645. The cost of manufacture can not 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. 5³/₄ lakhs in round numbers.

	Rs.
* Value of Bark	
£ 46,433-13-8	
at 18 8d	
Other items	18,000
	<u>5,45,204</u>

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 of prices for Chinchona bark), but chiefly by the larger consignments of the Bark sent home as shewn below, and partly to the greater profit expected to be realized from manufacture in lieu of sale of 250 bales of the Bark.

Quantity estimated to be shipped in framing the Budget, 1881-82 ^{the} 2,00,000
 2 of G.O. 14th Jan'y 1881, No. 122.

Quantity actually shipped, the sale proceeds of which are likely to be realized this year ^{the} 2,40,433

- (1) G.O. 26th Jan'y 1881, No. 185 — 152,000
- (2) G.O. 8th March/81, No. 116 — 31,334
- (3) G.O. 16th May/81, No. 441 — 51,355
- (4) G.O. 15th July/81, No. 1099 — 5,694

Vide para 2 of the Despatch above quoted.

G.O. 14th January 1881, No. 122.

Sanctioned amount —	Rs. 24,000
Amount entered as such in the Budget Statement	30,400
Difference	6,400

4. The instruction in para 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. 1,14,659, the grant being Rs. 1,03,809 not Rs. 1,00,509 as entered in the Statement. The difference (Rs. 10,850) 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

sanctioned estimate occurs chiefly in the following items:-

(a) Carriage of crop —	R ₂ 2,500
(b) Buildings New Works —	6,400
(c) Enforcement Charges —	3,600
	<u>12,500</u>

The necessity for items (a) and (c) is explained in the Deputy Conservator's paras 11 and 16 and item (b) will be allowed to stand, as the allotment in the sanctioned estimate for the Buildings at Madhavaram is only R₂ 16,000 and it is expected (P.W.G.O. 29 November 1881 No. 2975 N.S.P.) that R₂ 22,000 will be spent this year. The total amount of R₂ 22,400 should be placed to the credit of the Public Works Provincial Budget. Further, the Regular estimate will be enhanced by R₂ 18,100 which is the

Budget Estimate for 1881-82

Receipts —	R ₂ 4,64,000
Charges —	1,03,809
	<u>Surplus 3,60,191</u>

	Actuals R ₂
1876-77 —	1,10,457
1877-78 —	3,54,215
1878-79 —	4,00,354
1879-80 —	4,39,484
1880-81 —	4,34,261
Total 5	<u>14,42,071</u>
Average	<u>3,48,415</u>

the supplemental grant sanctioned by G.O. of 4 December 1881 No. 1882 for the purpose of uprooting the red barks on grass land.

b. The Regular Estimate as modified by Govt. stand as follows:-

Receipts —	R ₂ 5,45,200
Charges —	1,35,660
	<u>Surplus 4,09,540</u>

g. Budget Estimate 1882-83. Receipts The receipts for next year are estimated at R₂ 4,08,510, against R₂ 4,64,000 and R₂ 5,45,000 sanctioned and regular estimates respectively for the current year, the actuals of the last few years being as shown in the margin. The estimate is based on the

the expected outturn and value of the current year's crop as particularized in para 14 of the Deputy Conservator's report. The estimate of outturn however does not include the 1,00,000 lbs of dry bark referred to in the correspondence embodied in G.O. of December 1881. Rs 1882 which it is expected will 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.

+ Rs 1,15,000

5. Charges 1882-83. The charges are estimated at Rs 49,460 and compared 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	69,440
1878-79	43,680
1879-80	49,420
1880-81	96,100
	5,348,900
Average	46,480

Sanctioned Estimate 1881-82. 103,810
Regular — do — do — 135,660

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
	Sanctioned Estimate Rs.	Regular Budget Estimate Rs.
(a) Salaries	13,284	13,584
(b) Propagation	5,000	5,000
(c) Upkeep	33,425	33,125
(d) Crop	24,500	33,650
(e) Buildings	21,500	21,000
(f) Miscellaneous	3,100	4,100
Total	103,809	110,459

The increase of Rs. 300 under
(a) for extra travelling allow-
ance to the Deputy Conserv-
ator which has been dis-
allowed by the Government
of India (G.O. No. 1400 dated
11 November 1881) will be
struck out. The abnormal
increase against (d) 'crop'
in the Regular Estimate
has already been noticed.
Vide para 6 supra. The in-
crease 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. 29 August 1881
No. 1280 paragraph 19. It
is undesirable to provide
permanent

permanent accommodation
to meet the requirements
of an experimental opera-
tion but the provision
will be retained and
transferred to the head
'buildings' on the under-
standing that the outlay
is limited to actual and
unavoidable requirements.

(e) The provision for 'Buildings
New Works' is composed of the
following items.

I. Completion of Chir- chona Buildings Kedohattam	} 10,000
Rs.	
II Construction of a chattram on the Mainroad to Hyrad	} 2,000
III Construction of a dry- ing shed on the Hooker's estate	} 5,000
	17,000

I. The additional amount
required according to the
estimate for completing
the

+ G.O. 29 November 1881
No. 2945 W. O. W. D.

the Meddivattam build-
ings next year will be
Rs. 8344 (Rs. 22400 ^{altogether} having
been provided in the sanc-
tioned and Regular estimate
for the year) and that
amount will be placed
to the credit of the Public
Works Provincial Budget
for 1882-83, the estimate
in the Chinchona Budget
being reduced to the same
figure.

Estimates & plans
have not been submitted
for items II and III which
will however be allowed
to stand, but no expendi-
ture is to be incurred ^{on II} _{on II}
ing further report and
sanctions, & as regards ^{pending} _{decision} III ^{on the question referred to}
in para 5 of S. G. C. 1280
dated 29th August 1881.

The provision of Rs.
4000 for "repairs" is approved
under

? To be over again
all right I think
16,000 - 22,400 = 6,400
6,400 - 4,000 = 2,400
2,400

7632
under the circumstances
stated in paragraph 11 of
the Deputy Conservator's
letter and in his further
communication dated 6th
November 1881 No. 432.

Except as regards the
Meddivattam 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 ne-
cessary transfer of funds
may be made to the
Public Works Provincial
Budget.

The Budget estimates
as passed by Government
are

are as follows.

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

in round numbers 1,08,500.

Jan
19/12/81
C. W. D.

To

The Conservator of Forests.

Ind. Coy. Accountant General, with D. J. & Co. Secy. to Govt. Dec. 23, 1881

" Financial Dept.

" C. W. Department

" Board of Revenue.

Commr. of Nilgiris.

Drift
Ch. d. m. d. d. d.
1882-83

Print
571

Drift
Ch. d. m. d. d. d.

291 @ 290

c. 20-12-81. R. 2112-81