

MADRAS RECORD OFFICE.

Government of Madras.

Revenue DEPARTMENT.

G.O. No.	2125	Press ~~Mis.~~
	7-9	
Dated	2-10-18	62

Not to be folded or roughly handled

*Proceedings of the Madras Government, Revenue Department,
2nd October 1862.*

Read the following papers :—

No. 7. Memorandum from W. G. McIVOR, Esq., Superintendent Government Chinchona Plantations, Ootacamund, dated 6th September 1862.

1. I would respectfully submit that the progress of the Chinchona experimental cultivation, and the present very promising condition of the plants, are such as to justify more extended operations than those already proposed. I would therefore recommend that, in addition to the land (150 acres) proposed to be opened at Neddivattam, during the present official year, a new plantation of at least a 100 acres be opened to the east of the Pycara water falls, as this is a site which will no doubt prove well suited for the cultivation of all the species of Chinchonas, and especially for the most valuable sorts, such as C. Succirubra, C. Calisaya, and C. Condaminea, in opening this plantation I would recommend that the land be cleared of forest and trenched, that is, in the first instance, lines of trenches to be made three feet wide and two feet deep, and ten feet apart for the C. Succirubra and C. Calisaya; and eight for C. Condaminea, this will leave an intervening space of five and seven feet, in each row of untrenched land, which can be turned over after the planting is finished, or perhaps portions of it may be trenched over with the greatest advantage, immediately before the roots of the plants reach the untrenched land.

2. I would also submit for the consideration of Government, that the pay of the Office Manager be increased from 40 to 50 Rupees per mensem, and that the salary of the second Writer be increased from 25 to 40 Rupees, and that he be required to furnish security to the extent of 2,000 Rupees, and to perform the duties of Pay Clerk or Shroff.

3. Subjoined is an estimate of the cost of this new work.

Estimate cost of forming a plantation of 100 acres of Chinchona trees on the east of the Pycara water falls.

PARTICULARS.	Cost of forming the plantation with buildings, roads, tools, &c.			Cost of fixed Establishment.		
	RS.	A.	P.	RS.	A.	P.
<i>Building and other contingent charges.</i>						
To house for the Assistant Superintendent, to consist of two main rooms 12 × 12, and four verandah rooms 6 × 12. Walls to be built of burnt brick in clay. Fireplaces, chimneys and corners of brick in chunam and plastered with chunam, roof to be constructed of teakwood, king beams, rafters of jungles wood and covered with thatch; doors and windows of teakwood...	1,200	0	0			
To out-houses, one kitchen 10 × 12, and two out-houses 10 × 15, constructed as above	330	0	0			
To tool rooms and store rooms each 10 × 15, constructed as above...	250	0	0			
To houses for 100 coolies, to consist of thirty rooms 7 × 10 each, constructed as above...	1,000	0	0			
To enclosing 100 acres with strong wooden fence, 5 feet high...	750	0	0			
To felling 100 acres at 15 Rupees per acre, lopping and clearing at 15 Rupees per acre, trenching 100 acres in lines 3 feet wide, 2 feet deep, at 80 Rupees per acre, shading plants at 7 Rupees per acre, carriage of plants and planting at 6 Rupees per acre...	12,300	0	0			
To forming cart roads 12 feet wide over 100 acres of land, at 300 Rupees per mile...	1,350	0	0			
To tools, 200 Pickaxes at 2 Rupees each, 200 felling axes at 2 Rupees each, 100 Bill-hooks at 1 Rupee 8 Annas each, 200 Mamooties at 1 Rupee each, 12 Steel Digging Forks at 4 Rupees each, 24 Steel Spades, at 2 Rupees each, 12 Crow-bars at 3 Rupees each	1,282	0	0			
A propagating house...	2,000	0	0			
Contingent charges at 10 per cent...	2,046	0	0			
<i>Fixed Establishment.</i>						
1 Assistant Superintendent ..				125	0	0
2 Peons at 7 Rupees each per mensem ..				14	0	0
Total...	22,508	0	0	139	0	0

Government Gardens,
Ootacamund,
6th September 1862.

(Signed) W. G. McIVOR,
Supt. Govt. Chinchona Plantations.

*Proceedings of the Madras Government, Revenue Department,
2nd October 1862.*

No. 8. MINUTE BY THE HONORABLE THE PRESIDENT.

I visited Neddivattam a few days ago, and found the state of the plantation to be as follows:—

1. At the top of the hill, a height of about 6,000 feet above the sea, a number of plants had been in the ground for upwards of a year; they had been exposed to the cold of the winter, the drought of the spring, the wet of the monsoon, yet nothing could look more healthy and flourishing than the whole of these. The tenderest species, *C. Succirubra*, seemed to flourish best, for a plant not more than fifteen months old was 3 feet 6 inches high. Further down the hill a piece of ground about 68 acres in extent had been cleared and prepared for plants; this site occupied two sides of a valley, and was sheltered by belts of trees on the ridges separating it from the adjacent valleys. About 18 acres of this were planted, and the plants looked healthy and flourishing. The planting had been delayed by the wet weather, but Mr. McIvor expected to plant at the rate of about ten acres per week. In an adjacent valley, at a lower level, about 180 acres had been felled and partially burned, and below this again was the propagating house and the nursery for young plants. The permanent buildings for the coolies and Superintendent had yet to be erected, and the fence round the plantation to be completed. Great credit, however, is due to Mr. McIvor for the energy which he has shown in pushing on the experiment and for the amount of work which he has got through; nothing can look better than the plants, and every thing seems to me to testify to the success of the experiment. I should therefore be disposed to recommend that this should be pushed on steadily and regularly, and that 150 acres should be added annually to the plantations for a period of nine or ten years at least, at the expiration of which period we shall be able to ascertain whether Mr. McIvor's views, as to the possibility of getting a return from the loppings and prunings of the trees, are correct. Should they be so, the size of the annual plantation may be diminished.

2. I have proposed to plant 150 acres annually, because I am of opinion that the Government will have to depend very much on its own exertions to provide Chinchona Bark to an extent at all commensurate with its consumption: it is perfectly true that many persons have asked for plants and professed their intention of making plantations, but looking to the fact that they must, under any circumstances, remain without any interest upon their outlay for nine or ten years, and that this outlay will amount, with interest, to about £100 per acre, I do not think that any great extent of land will be planted. Should the lopping and pruning produce the quantity of Bark anticipated by Mr. McIvor, the return will be sufficient to repay the capital expended in about ten years, inclusive of interest, but the supply will not be large enough to produce any great effect on the market price of Quinine, which will go on increasing until the trees now planted arrive at their full growth, say forty years, when the return might amount to 40,000 lbs. of Bark per acre, or for 180 acres six millions of pounds. The cost to the Government would be at the utmost, supposing there to be no return in the interval, about £1,000 per acre, and the return even at present prices would be at least £16,000 per acre.

3. With reference then to the accompanying proposal from Mr. McIvor, that he should be allowed to make a new plantation at Pycara, at a cost of 22,508 Rupees, I should recommend that it be acceded to, *to this extent*; that he should be allowed to clear away the timber from 100 acres during the dry season, when alone it can be done with advantage, and that for this purpose he should be allowed to expend 3,000 Rupees; while he should also be allowed to build a propagating house and houses for the Superintendent and the coolies at a cost not exceeding 4,000 Rupees,—the remainder of the work to be included in the estimate for 1863-64, which must also include the completion of the plantations to the extent of 300 acres and the clearance of the ground, 150 acres, for the plantation of 1864-65. The other propositions of Mr. McIvor seem reasonable.

September 1862.

W. T. DENISON.

No. 9. ORDER THEREON, 2nd October 1862, No. 2,125.

1. On a consideration of the President's Minute above recorded, in which His Excellency has detailed the success of the Chinchona plantation at Nedivattam, and has strongly recommended the gradual extension of these plantations, the Government resolve to sanction the proposal made

*Proceedings of the Madras Government, Revenue Department,
2nd October 1862.*

by Mr. McIvor to form a new plantation at Pycara, at a total cost of Rupees 22,508, limiting however his operations during the current year to clearing-away the timber from 100 acres, during the dry season, when alone it can be done with advantage. To carry into effect this commencement of the new plantation, 3,000 Rupees will be allotted to Mr. McIvor.

2. A further sum of 4,000 Rupees will be allowed for building a propagating house, and houses for the Superintendent and coolies.

3. Mr. McIvor will make provision for the remainder of the work, in framing the Budget Estimate for 1863-64, in which should also be included the completion of the plantation to the extent of 300 acres and the clearing of 150 acres for the plantation of 1864-65.

4. The Government approve also of the proposal made by Mr. McIvor to increase the salaries of the Office Manager and of the second Writer from 40 to 50 Rupees, the second Writer being required to furnish security to the extent of Rupees 2,000 and performing the duties of Shroff. Application will accordingly be made to the Government of India for sanction to this increase of salaries.

5. Mr. McIvor will be called upon to report whether the additional expenditure sanctioned in this Order can be met from the sums entered in the Budget for 1862-63 for the cultivation of Chinchona.

(Signed) T. PYCROFT,
Chief Secretary.

in this to the accompanying proposal from the 10th

Memorandum
I visited Reddewellton a few days ago and found that the
of the plantation to be as follows -
at the top of the hill, a height of about 600 feet above the sea, a number of
plants had been in the ground for upwards of 4 years - they had been
exposed to the cold of the winter, the drought of the spring - the rest of the
season yet nothing could look more healthy & flourishing than
the whole of them - the tenderest species of Quercus seemed to flourish
best - for a plant not more than 15 from the old was $3\frac{1}{2}$ high -
further down the hill a piece of ground about 68 Acres in extent
had been cleared and prepared for Quercus - this site occupied two sides
of a valley and was sheltered by belts of trees on the ridge separating
it from the adjacent valleys - about 18 Acres of this were planted and
the plants looked healthy & flourishing - the planting had been delayed
by the wet weather but Mr. Wilson expected to plant at the rate of
about 20 acres per week - in an adjacent valley at a lower level
about 100 Acres had been felled & partially burned - and below this
again was the preparation of Quercus and the ground for young plants
the permanent buildings for the Quercus & Superintendent had got to
be erected and the fence round the plantation then completed -
Great credit however is due to Mr. Wilson for the energy which he
has shown in pushing in the experiment and for the amount of
work which he has got through - nothing can look better than
the Quercus and everything seems to me to testify to the success
of the experiment - I should therefore be disposed to recom-
mend that this should be pushed on steadily and regularly
and that 150 Acres should be added annually to the plantation
for a period of 4 or 5 years at least - at the expiration of which period
we shall be able to ascertain whether Mr. Wilson's view, as to the possi-
bility of getting a return from the topsoil & pruning of the trees, are
correct - should they be so the size of the annual plantation
might be diminished -
I have proposed to plant 150 Acres annually because I am
of opinion that the Govt. will have to depend very much on its
own exertions to provide American Bark to an extent at all
commensurate with its consumption - It is perfectly true that
many persons have asked for Quercus & proposed their intention
of making plantations - but looking to the fact that they must
under any circumstances remain without any interest
upon their outlay for 4 or 5 years & that this outlay will amount
with interest to about 1000 £ per acre I do not think that any great
extent of plantation is probable - should the topsoil & pruning
produce the quantity of Bark anticipated by Mr. Wilson
the return will be sufficient to repay the capital expended
in about ten years, exclusive of interest, but the supply will
not be large enough to produce any great effect on the market
price of Quercus which will go on increasing until the new
plantations arrive at their full growth when the return
might amount to 4000 lb. of Bark per acre or for 140 Acres
to 6 millions of Dollars ~~exceedingly~~ ^{as high} from the sale of the
cost to the Govt. would be the utmost, supposing them to be no
return in the interest, about 1000 £ per acre and the return even
at present prices would be at least 16000 £ per acre -
with reference then to the accompanying proposal from Mr. Wilson

and to perform the duties of Pay Clerk
or Sheriff.

Subjoined is an Estimate of
the cost of this new work.

That he should be allowed to make a new Plantation at Dyers
creek of 22500 Acres, I should recommend that it be decided
to this extent, that he should be allowed to clear away the
timber from 100 Acres during the dry season when done it can
be done with advantage, and that for this purpose he should be
allowed to expend 2000 Pesos while he should also be allowed
to build a preparatory house and house for the dry winter
and the coolies about not exceeding 2000 P. The remainder
of the work to be included in the Estimate for 63-64 which must
also include the completion of the Plantation to the extent of
- 300 Acres & the clearing of the ground 150 Acres for the Plantation of
1864-65 - The other propositions of Mr. Wilson seem reasonable.



Proceedings of the Madras Government. 29. October 1862

Read the following papers.

From the Superintendent Govt Chinnona plantations Colarumund.

Minute by the Honorable the President.

Here enter 6 Sep/62.

On a consideration of the President's Minute above recorded, in which His Excellency has detailed the success of the Chinnona plantation at Medinatham, and the gradual extension of the Chinnona plantations, and the progress made by the Govt resolve to sanction the proposals made by Mr. Mac Gooch to form a new plantation at Pycara, at a cost of Rs 22,500, limiting however his operations during the present year

W

Vol

Copy in a Letter to England dated 23rd October 1862

N^o 2639.

Minute by the Honorable the President

Dated 3 1862 - Received -

Rev = 1862 October 1862 No. of Govt for October N^o 2638.

Memo.

From Mr. S. M. Mac Gooch Esq. to Govt. for the form of plantation (Colarumund)

Dated 6th 3 1862 Received 18th 9

Under the Revenue

Referring to the Revenue of the plantation at Medinatham which was visited during his tour

No 748.

27 1862

It was stated, recommended that in addition to the 15 acres proposed the 15 acres of the present plantation, during the present year, a new plantation of at least 100 acres be opened in East of the Chinnona plantation. It was also recommended that the large office building be erected from 10 to 15 acres for the use of the plantation. It was also recommended that the 15 acres be increased from 15 to 20 acres, and the 15 acres be increased from 15 to 20 acres, and the 15 acres be increased from 15 to 20 acres.

to clearing away the timber
from 100 acres during the
dry season, when alone it
can be done with advantage.

To carry into effect this
commencement of the new
plantation, an 3000 Rs
will be allowed to Mr. Mac
Mahon.

2/ A further sum of 4000 Rs
will be allowed for building
a propagating house, and
houses for the laborers
and coolies.

3 Mr. Mac Mahon will make
provision for the remainder
of the work, in framing
the Budget Estimate for
63-64. in which should
also be included the
completion of the plantation

to the extent of 300 acres &
the clearing of 150 acres
for the plantation of 1864
-65.-

4 The Govt. approve, ^{also} of the
proposal made by Mr. Mac Mahon
to increase the salaries of
the office manager and of
the 2nd writer from 40 to
50 Rs, the 2nd writer being
required to furnish security
to the extent of Rs 2000 &
performing the duties of
shop. Application will
accordingly be made to
the Govt of India for sanction
to the increase of salaries.

5 Mr. Mac Mahon will be
called upon to report
whether the additional
expenditure sanctioned

in this order can be met
from the sums entered
in the Budget for 1862/63
for the cultivation of Chumona.
Rt

Sup of Plantation Dept
Com of Forest
C. P. J. ...
of the ...
of the ...

...
...
...
...
...
...
...

...
...
...

Copy in a letter to Perkins
dated 23rd Oct 1875 of 1862

Revenue 1862. 24th
220: of Govt for October.

Ms. 2725.

220: of the Madras Govt
22nd October 1862.

From the Govt of Madras.
22nd October 1862. 24th
220: of Govt for October.

Sanctioning proposal
to form a new Cutch
plantation at Sagar,
in the Madras
Mts.

Ms. 2725.