M.R.O. 14—13,000—27-9-24.

MADRAS RECORD OFFICE.

Government of Madras.

Revenue **DEPARTMENT.**

G.O. No. 2025 Press ~~Mis.~~

126-128

Dated 10-11- ~~19~~ 1863

Not to be folded or roughly handled

Proceedings of the Madras Government, Revenue Department, 10th November 1863.

Read the following papers:—

No. 126. From Captain R. H. BEDDOME, Officiating Conservator of Forests, to J. D. SIM, Esq., Secretary to Government, Fort Saint George, dated Manantoddy, 27th October 1863, No. 736.

SIR,

Agreeable to the Government Order No. 1,561 of the 25th August 1863, I have the honor to forward a letter from Major Morgan and Captain Farewell* upon the subject of a Saw Mill at Ootacamund.

* And a copy of a tender from Mr. Rhode.

From Major H. R. MORGAN, in charge of Mudumallay Forest, and Major W. FAREWELL, Executive Engineer, to Captain R. H. BEDDOME, Officiating Conservator of Forests, Madras, dated Ootacamund, 21st October 1863, No. 91.

SIR,

1. With reference to the Proceedings of Madras Government No. 1,561, under date the 25th August 1863, we have the honor to report as follows.

2. In reply to the first question, as to what quantity of timber will be required annually, we find that for the next four years the demand by the Public Works Department will be for about 200,000 square feet annually and the private demand may be set down at 100,000 square feet per annum.

3. In reply to the second question, we have no reliable data on which we can estimate the cost of an engine of 20-H.P. to drive the saws; but if the English price can be obtained, we reckon that the cost of freight by sea, carriage by land and other charges, the English price may with safety be doubled, or the Shilling turned into the Rupee. The fall being reckoned at 28 feet and the water present supply at 153 feet per minute if stored during the night gives sufficient power according to Williamson Brothers' *formula* to drive an 18-H.P. turbine at least, but if we allow for holidays, stoppage of engine, &c., 20-H.P. may be safely reckoned upon.

4. In answer to the third question, a 20-H. P. Engine worked for 7 hours per diem will cut about 2,000 square feet of timber into planks, joists, &c., while if reepers are required a much greater quantity of work will be done.

5. In reply to the fourth question, from experience in the cost of steam Saw Machine at Wellington, we find that by machine, sawing 50 square feet may be obtained for a Rupee.

6. In answer to the fifth question, the cost of sawing in the market is 24 square feet for a Rupee.

7. Though sites for a Mill are available at Kulhutty and the water power obtainable there is great, yet erecting a Mill at that station would cost an enormous amount for roads of approach, aqueducts, &c., and the advantages derivable from having the Mill at Kulhutty are more than over-balanced by the fact that there would be no demand or sale for the waste timber on the spot, while it would entail the necessity of a separate Establishment, which except at great expense could only be imperfectly supervised.

8. We have examined the site of the old water Mill at the out-fall of the Ootacamund lake, and find as before stated that there is an available fall of 28 feet, and after a variety of careful experiments we ascertained that the discharge from the lake amounted to 1,536 cubic feet of water per minute.

9. We found that the old water Mill and ground round it belong to Mr. Rohde, who on being communicated with on the subject of its sale, furnished us with the tender attached, allowing one month from date of despatch of this report for its acceptance.

Memorandum of the terms on which I will part with the Mill and so much ground as I have colored in my sketch.

1. That the sum of two thousand one hundred and fifty Rupees be paid to me or to my order before the 31st October 1863.

2. That the toil and all surplus water be delivered at the head of the level channel of my meadows.

3. That the main drain through my meadows and from them, be maintained at its present, or some lower, level; or that it be at my control.

4. That there shall be no interference with the sub-mains or other drainage of my meadows in the discharge.

5. That the purchaser shall construct and maintain a strong and permanent cattle fence on the line of division now formed.

6. That a direct right of way, suitable to cattle or carts be permitted to my meadows and kept in order from the present tank calingulah to the head of my channels.

7. That for every foot below the level, at which by article 2 the toil and waste water is passed to me, a further sum of five hundred Rupees be paid to me at the time of purchase, or if at any future time, within six months, the purchaser should desire to obtain a greater fall, by lowering the level at which the toil water is deliverable, then a further fine of five hundred Rupees in addition to the five hundred Rupees for each foot, shall be paid.

Ootacamund,
30th September 1863. (Signed) J. ROHDE.

No. 127. MINUTE BY THE HONORABLE THE PRESIDENT.

1. On reference to my Minute of 20th July 1863, I find that I required information on the following points:—

First.—Quantity of timber to be cut annually.
Second.—Cost of machinery.
Third.—Amount of work which such engine could perform.
Fourth.—Cost of working the same.
Fifth.—Cost of sawing by *hand.*

2. In these papers I have an Estimate of the quantity of timber required for Government purpose, which is put at 200,000 square feet per annum for the next four years, and the private demand is put at 100,000 square feet per annum. As however the machinery, if ordered at once, would hardly be prepared, sent out, fitted, and at work, for a couple of years, the benefit derived by the Government from the saving of expense of sawing would be limited to that upon 400,000 square feet of timber, while at the end of two years the machine would have only the private demand to look to.

3. The cost of the machinery is not stated, but a guess may be made at the cost of the scheme to the Government.

	Rs.
In the first place the land is charged at 2,150 Rupees, and to this must be added the cost of fencing, the charge for deepening the out fall, &c., so that first and last the cost of the site would not be less than	4,000
The cost of the Engine, Saw frames, &c., including Mill wheel, race, &c., &c., I cannot put at less than, (and I think it will cost more) ...	25,000
The cost of the house for the Millwright, the Mill itself, roads to and from this, &c., &c., I cannot put at less than	8,000
Total. ...	37,000

4. The annual payment on account of capital will be

5 per cent. on	4,000 =	200
20 per cent. on	25,000 =	5,000
10 per cent. on	8,000 =	800
Rupees ...		6,000

5. The cost of Mill sawing, in which I suppose all the working expenses are included, is put at 50 feet for a Rupee; or, looking to the fact that 2,000 feet is the estimated daily outturn, the expenses daily would be 40 Rupees, while the cost of hand-sawing the same amount of timber would be $^{2000}/_{24}$, 83 Rupees; the gain being 43 Rupees per day, or rather 43 Rupees per 2,000 feet of timber, and as the quantity of timber to be sawn by the Government would amount to 200,000 square feet per annum, the saving would be $43 \times {}^{200000}/_{2000} =$ Rupees 4,300 per annum, a good deal less than the interest of the money expended, and as the Government work would not last for more than two years, and the private work would only supply work for fifty days in the course of the year, I do not think that it would be worth while to go to the expense of making the experiment.

(Signed) W. T. DENISON.
5th November 1863.

I concur in the President's opinion.

(Signed) E. MALTBY.
(„) T. PYCROFT.

No. 128. ORDER THEREON, 10th November 1863, No. 2,025.

1. In their Proceedings 25th August 1863, No. 1,561, the Government called for information on the following points in connection with the proposal for the erection of a water Saw Mill at Ootacamund:—

First.—Quantity of timber to be cut annually.
Second.—Cost of Machinery.
Third.—Amount of work which such Engine could perform.
Fourth.—Cost of working the same.
Fifth.—Cost of sawing by *hand.*

2. The Officiating Conservator now forwards a letter from Majors Morgan and Farewell in reply to this reference. The quantity of timber required for Government purposes is set down at 200,000 square feet per annum for the next four years, and the private demand at 100,000 square feet per annum. It appears to the Governor in Council that the machinery if ordered at once would hardly be prepared, sent out, fitted and at work for a couple of years hence, so that the benefit to be derived by the Government from the saving of the expense of sawing would be limited to that upon 400,000 square feet of timber; while at the end of two years the machine would have only the private demand to look to.

3. The cost of the machinery is not stated; but the following may be taken as the approximate cost of the scheme:—

	Rs.
Site for the Mill as stated in the present papers Rupees 2,150, *plus* cost of fencing, charge for deepening the out-fall, &c.	4,000
Cost of the Engine Saw frames, &c., including Mill wheel, race, &c., &c.	25,000
Cost of the house for the Millwright, the Mill itself, roads to and from this, &c., &c.	8,000
Total.....	37,000

4. The annual payment on account of this capital will be

5 per cent. on	4,000 =	200
20 per cent. on	25,000 =	5,000
10 per cent. on	8,000 =	800
Total.....		6,000

Proceedings of the Madras Government, Revenue Department, 10th November 1863.

5. The cost of Mill sawing, in which it is believed all the working expenses are included, is given as 50 square feet for a Rupee; or looking to the fact that 2,000 square feet is the estimated daily outturn, the expenses daily would be 40 Rupees, while the cost of hand-sawing the same amount of timber at 24 square feet the Rupee would be 83 Rupees. The gain would thus be 43 Rupees per day, or rather 43 Rupees per 2,000 square feet of timber; and as the quantity of timber to be sawn by the Government is estimated, as already remarked, at 200,000 square feet per annum, the annual saving would be Rupees 4,300, a sum much below the interest of the money expended. It is also noticed that the Government work would not last for more than two years, and that the private demand would supply work for only fifty days in the course of the year. On these grounds the Governor in Council does not consider it advisable to incur the expense of making the experiment.

6. These Proceedings will be brought to the notice of the Secretary of State, with reference to paragraph 25 of his Despatch, 24th April 1863, No. 14.

(True Extract.)

(Signed) J. D. SIM,
Secretary to Government.

To the Officiating Conservator of Forests.
" Board of Revenue.

Exd. S. T. Augustin.

No 736 From Camp. 3 Kooroor 27 October 1863.

Captain R. H. Beddome
Asst Conservator of Forests.

To J. D. Sim Esquire
Secretary to Government

Agreeable to the Governm[ent]
order No 1501 of the 25th August 1863
I have the honor to forward a letter
from Major Morgan and Captain
& a copy of a tender from Forrest upon the subject of a
Mr Rohde
Felt at Coteacamund—
I have the honor to
Sir
Your most obedt humble Servant
R. H. Beddome
Asst Conservator of Forests

For Orders.

In G.O. 25 Augt 63, Major Morgan & Capt Farnell were required to answer certain questions connected with the erection of a Water-Saw-Mill on the Hills.

Their replies are enclosed. Also the terms on which Mr Rohde is willing to sell his Mill &c at the End of the City lake.

L. A. L.

Pro. 25th August 63 N° 257-258

Copy sent a Letter to Lieut Colonel Nov. 63 N° 119

Rec'd 1863 Oct 1st
Pro: of Govt for order
N°. 2657.

From,
The Officer Commanding Forces
The Secretary to Govt Colonial Dept
Forwarding
Dated 27 October 1863
Received 31st
N°. 736
Enclosures 2
Subject
Forwarding a letter from Major Morgan & Capt Farnell relative to the Interpretation of Land Regulations

N° 126

G.O. N° 2025 - 10 Rec

would be limited to that
upon 200000 Superficial
of timber. whilst the
end upon given the
Machine would have
only the private demand
to work. —

The cost of the Machinery
is not stated — but a
guess may be made at.
The cost of the scheme
to the Govt —
In the first place the
land is charged at 2100
Rs. and to this must be
added the cost of fencing
the charge for deepening the
outfall &c — do that
first place the cost
for this would not
be less than £000.0.0
The cost of the Engine
Saw Frames &c
including millwheel
races — Boat &c &c
I cannot put at
less than — £1 25000.0.0
Trench I will not
more.
The cost of the Steam
for the millwright
the Mill sluice road
Land fence this &c
&c — cannot put
at less than — 8000.0.0

Total 37000.0.0

The Annual payments
on account of Capital

5 per cent on 40.00 = 2000.0.0
20 per cent on 25000 = 5000.0.0
10 per cent on 8000 = 800.0.0
£ 6000.0.0

The cost of Mill Sawing
must I suppose all
the working expenses
included in just as
50 ft for a Rupee or
looking to the fact that
2000 feet is the estimated
daily outturn, the ex
pence daily would be
40 Rupees. while the
saw'd Land sawing the
same amount of Timber
then would be 2000/24
83 Rupees — the fair
being 43 Rupees per day
or rather 43 Rupees per
2000 feet of Timber and
as the quantity of Timber
this sawn by the Govt
would amount to 200
square feet per annum
the saving would be 430
per annum a sum
less than the interest
the money expended
and as the Govt work
would not last for more
than 2 years and the
Sawed work would

Lubbock - work for 60
days in the county this
year - I do not think
that should be work
which is to be expen
ditures by the expen
diture

W Mercer

- I concur in the President
Junction. Elle

JP

What will be done
with Steam Saw
Mill at Wellington?
I see that Bury in Tem -
- mill proposed to be
is not contemplated
in the work if so
Lavaca Victoria
for Capt Baldwin
Matter 12 Nov 62 p 5
Steam Ready Rifle Pits
1 Dec 1862 JP

Revenue Department

No: 2025.

Proceedings of the Board of Commissioners
held pursuant to the 10th Nov: 1863.

Read the following
Letter from Major
Miller Commanding
the Engineers Office
Esquimalt Harbour
Requesting
Instructions
as to the
Erection
of a Water
Closet
Ordered that
the Proposal
be referred
to the Colonial
Engineer
for report

Ordered that the Proposal for erecting a Water Closet at Esquimalt for the use of the Royal Engineers be referred to the Colonial Engineer for report

Certified a true Copy
Wm. A. G. Young
Colonial Secretary

Colonial Secretary's Office
10th November 1863.

Sir,

I am directed by the Board of Commissioners of Revenue to transmit herewith for your information a Letter from Major Miller Commanding the Royal Engineers, requesting instructions as to the erection of a Water Closet at Esquimalt for the use of the Royal Engineers.

I have the honor to be
Sir
Your most obedient
humble Servant
Wm. A. G. Young
Colonial Secretary

Lieut. Col. Parke
Royal Engineers
&c &c &c

Copy of a Letter to Col. Parke of 10th Nov: 1863: No: 119.

Rec: 1863 Nov: 12
Pro: of Govt Revenue 2736.

No: 2737.
Minute by the Hon: the Inspector General
Dated 12th Nov: 1863.
Received 12th 1863.

Minute by the Hon: the President
Dated 5th November 1863.
Received 12th 1863.

C. O. No 2025. 12th Nov

No: 2738.
Minute by the Hon: the Psychosl
Dated 12th November 1863
Received 12th

On the proposal of erecting a water closet &c &c &c.

C No 127.

2. The officiating Conservator now forwards a letter from Major Morgan, and Tabewell in reply to this reference the quantity of Timber required for Govt purposes is set down, at 200,000 square feet per annum for the next four years, and the private demand at 100,000 square feet per annum. It appears to the Governor in Council that the Machinery if ordered, at once would hardly be prepared, sent out, fitted and at work for a couple of years hence, so that the benefit to be derived by the Govt from the saving of fuel, would be limited to that upon 400,000 square feet of Timber, while at the end of two years the machine would have only the private demand to look to.

The cost of the machinery is not stated, but the following may be taken as the approximate cost of the scheme

Site for the mill as stated in the present papers Rs 2,150,
plus cost of fencing, charge for deepening the out fall &c — 4,000

Cost of the Engine Saw frames &c including Mill wheel, Race &c — 25,000

Cost of the House for the Millwright, the mill itself, roads to and from this &c — 8,000

Total - 37,000

The Annual payment on account of the Capital will be
5 per cent on 4,000 = 200.
20 per cent on 25,000 = 5,000.
8 per cent on 8,000 = 800.
Rs 6,000.

5. The cost of mill saving, in which item is included all the work expenses are included is given as 50 square feet for a Rupee of

looking to the fact that
2000 Square feet is the
estimated daily out turn,
the expenses daily would
be 40 Rupees, while the
cost of hand-sawing
the same amount of
timber at 24 Square feet
the Rupee, would be 83
Rupees - The gain would
thus be 43 Rupees per
day, or rather 43 Rupees
per 2,000 Square feet of
timber; and as the quan=
=tity of timber to be sawn
by the Govt is estimated
at already remarke
at 200,000 Square fe
per annum, the annual
saving would be Ru
=pees 4,300, a sum much
below the Interest of
the money expended - It
is also noticed that the
Govt work would not
last for more than 2
years, and that the
private demand would
supply work for only 50
men in the course of the

year - On these grounds
the Governor in Council
does not consider it
advisable to incur the
expence of making the
Experiment -

6 These Proceedings
will be brought to the
notice of the Secretary
of State with reference
to para 25 of his Despatch
24 April 1863 No 14.

I have &c

(Signed) [illegible]

1 Copies to the Offg Conservator of Forests & Offg Collector
11 " " Offg Revenue

Return a letter to England
of 10 November 1862 No. 119

Revenue 1862 Dept.
Pro: of Govt for 4 Nov.
No 2025.

Pro: of the Madras Govt.
of 10 Nov 63.

The proposition for
the erection of a Water Can
Machinery at Polacaumund
abandoned.

No 126 @ 128