(1) Number of pages 62

(2) Date of repair 19-8-87

(3) Initials of the Referencer

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

P. W DEPARTME

G.O. No. B.P. No:	545 W	Press. Mis.
Dated	9 - 3 . 1885 ~~198~~.	

[illegible]

Not to be folded or roughly handled

Archives I--10,006 I -80.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following papers:—

From the Superintending Engineer, IV Circle, dated 5th December 1884, No. 535 E.W.
" " " " " 22nd January 1885, " 26 E.W.

From Colonel J. BEATTY, R.E., Superintending Engineer, IV Circle, to the Chief Engineer, Public Works Department, dated Coimbatore, 11th February 1885, No. 68 E.W.

In continuation of my letter No. 535, of 5th December 1884, I have the honor to forward, herewith, two letters from the Executive Engineer, Nilgiris, Nos. 564 and 580, of 30th ultimo and 4th instant, respectively.

2. In the first letter the Executive Engineer gives details of the unsatisfactory working of the lake brickfield up to date; and in the second he reports that the stone-breaking machine has been successfully worked by the 8-horse power engine which had been found insufficient to work the brick-making machine. Major Smith also now recommends the purchase of a 12-horse power engine to work the brick-making machine.

3. As to continuing work at the brickfield, I think there should be no hesitation. A large outlay has already been incurred in starting the field, which would be in a great measure thrown away if the work be stopped now. The field has been thoroughly examined, and all that is wanted, as has been long known, is efficient supervision and a powerful engine to work the machine.

4. The late superintendent, Mr. Mullane, has proved a failure, and his services have been dispensed with. He knew something of clays and brick-making, but was wanting in tact for dealing with labor, and was a bad manager. He has been replaced by a sub-overseer under the direction of Sub-Conductor Lord.

5. Good bricks are still badly wanted at Ootacamund and cannot be purchased. The case instanced by Major Smith shows this. He could not procure sufficiently good bricks for the arch of the Charing Cross bridge, and had to cart them up from Wellington. There bricks cost Rs. 12 a thousand, but with carriage to Ootacamund they would probably be double that rate. With proper supervision and a powerful engine to work the machine, I see no reason why the cost of brick-making should be greater than at Wellington, or the quality of the bricks inferior.

6. I recommend that the net loss up to date determined by the Examiner should be written off, and the working of the field continued with the aid of a 12-horse power engine specially purchased for the work.

From the Superintending Engineer, V Circle, dated 23rd February 1885, No. 4347.

9th March 1885, No. 545 W., Public Works.

Office note from the Examiner, Public Works Accounts, dated Madras, 5th March 1885, No. 884.

Your office note, No. [illegible]09 D., dated 16th February 1885.

The figures shown in the accounts are as follows :—

	Charges. Rs.	A.	P.	Outturn. Rs.	A.	P.
To end of March 1884	1,990	0	0	1,990	0	0
Charges and outturn in current year to end of December 1884	10,556	9	10	7,853	9	8
	12,546	9	10	9,843	9	8
Difference ...	2,703	0	2			
Deduct materials at site as per Executive Engineer's letter	1,045	2	3			
Net loss ...	1,657	13	11			

2. In my opinion a further sum of Rs. 1,540 should also be dealt with on account of land and kiln charges, which should have been debited to operations for the seven months, June to end of December. The Executive Engineer suggests that the amount of Rs. 21,253 might be covered in eight years, or at the rate of Rs. 2,656 per annum, or Rs. 220 per mensem. For the seven months, at this computation, Rs. 1,540 should have been charged to the cost of manufacture, the outturn from which has been thereby undercharged.

3. The amount to be adjusted is, therefore, I consider, Rs. 3,197-13-11, which should be charged off to works in progress.

Order—dated 9th March 1885, No. 545 W., Public Works.

The Government regret to learn that the operations at the lake brickfield at Ootacamund have hitherto proved so unsatisfactory, but they concur with the Superintending Engineer that the experiment should be continued.

2. The Superintending Engineer will submit definite proposals for the purchase of a 12-horse power engine, after inquiry whether one can be obtained from the Wynaad gold mines, or elsewhere.

3. The sum of Rs. 3,197-13-11 will, as recommended by the Examiner, Public Works Accounts, be charged off to works in progress.

(True Extract.)

Major, R.E.,
Under Secy. to Govt., P.W.D.

To the Superintending Engineer, IV Circle, with copy of note to Superintending Engineer, V Circle, No. 410 D., dated 16th February 1885, and of reply, No. 4347, dated 23rd February 1885.
" Examiner, Public Works Accounts.

Exd. E. Fernandez.
[illegible] Copies

GENERAL.
ACCOUNT.

Govt. of (1885) Madras,

PUBLIC WORKS.

Dated March, 9th.

Recd. Encl.

G.O., 9th March 1885, No. 545 W.

MARCH.

Lake Brickfield, Ootacamund

Orders on report of the operations at the —.

No 535
E.W

Supg. Engineer's Office, 4th Circle
Coimbatore 5th December 1884.

545
3

From,

The Superintending Engineer
4th Circle.

To,

The Chief Engineer
P.W.D.

Sir,

I have the honor to forward for your information two letters from the Executive Engineer Nilgiris on the working of the Lake Brickfield, Ootacamund. Enclosure - 2

2. The figures he gives show a much more unfavorable state of things, as regards cost, than those furnished by his predecessor, which were possibly incorrect. I have asked for an account showing the details of outlay and expenditure up to date; with a view to deciding whether any and what increase of rate will be necessary to clear off the

on the working now reported.

I have the honor to be,
Sir,
Your Most Obt. Servant.

Colonel R.E.
Supg. Engineer 4th Circle.

545/6

No

From
The Supdg Engr
IV Circle

No. 535
Gtr

Dated 5th Decr/84.

Enclosure.

SECRETARIAT TO GOVERNMENT
7 DEC 84
P.W. DEPARTMENT

Lake Brickfield
Ooty —
Forwards Reports
on the working of —

to W. for perusal
CS
8.12.84

From S.E. IV Circ.
W. 535 of 5-12-84.

575

S.E. makes no proposal respecting brickfield. and evidently intends to write again.

(a) Further letter must be awaited.

Meanwhile these papers can be put up to accompany me at Ootacamund at Xmas.

8.12.84

PR
to the other files already called for
CS
8.12.84

(a) Await further letter —
CS
7-1-85

(33)

To W. for perusal

C.S.

8.12.84

No. 26
E.W.

Supg. Engr's Office, 4th circle
Camp Vellore, 22nd Jany: 1885.

545
6

From

The Supg. Engineer,
Fourth circle.

To

The Chief Engineer,
P. W. D.

Sir,

Enclo: 1
1 O. Letter No: 525 of 17th Jany: 85

With reference to the accompanying letter of the Executive Engineer Nilgiris, reporting that after a long trial he is of opinion that Mr. Mullane is not fit for the Post of Superintendent of the Lake Brickfield, I have the honor to inform you that I have authorised Major Smith to dispense with Mr. Mullane's services.

2. I shall send you the report promised on the trial of the Engine at working the stone breaking machine as soon as I receive it. I

much regret to find that it has proved not powerful enough to work the Brickmaking machine.

I have the honor to be
Sir,
your most Obedt. servant.

L. Beatty - Col. R.E.,
Supg. Engineer 4th circle.

545/7

From

The Supg. Engineer
IV. Circle

Dated 22nd }
Despd. 24th } January 1885.
Recd. }

26 JAN 85

No. 26
E.W.

Enclosure - One -

Lake Brickfield at
Ootacamund -

Informing that Major Smith has been authorized to dispense with Mr. Mullane's Services as he is reported not fit for the post of Superintendent of the —

CJ
26.1.85

No. 409

Executive Engineer's Office
Ootacamund 17th November 84.

From,
The Executive Engineer
Nilgiri Division

To,
The Superintending Engr.
4th Circle

Sir,

I have the honor to state the following facts connected with the working of the Lake Brick-Yield Ooty and submit for your consideration whether or no this expensive, and I think, unnecessary manufacture should be stopped.

2. The total cost of operations excluding land and Kiln charges from the commencement in October 1883

to 30th September 1884 is Rupees 9,156 and the total Outturn has been 348,000 bricks or under 30,000 bricks a month. This gives the actual value of bricks at Rs 26 per 1000.

3. In addition to this Rs 5 per 1000 was at first estimated as the correct charge for land and kilns but this Rs 5 per 1000 was calculated on an outlay of Rupees 16,000 for land and kilns, whereas the actual outlay to end of September on this head has been Rupees 21,608, so the Rs 5 per 1000 would have to be increased to Rs 6½ at least, this will make the total cost of the bricks Rs: 32-8- per 1000!
But only Rs: 20 per 1000 has been charged to works or a total of Rupees 7010 credited to the

Brickfield

Brickfield accounts, leaving a loss of Rs: 9156 - 7010 = Rs: 2146 on the working account of the field.

4. Such a condition of things is disheartening enough, but to this is to be added the fact that the bricks turned out are of very inferior quality and I am I think correct in saying that no Engineer on a Railway would look at them, and I am sure I would not have used such bricks for any important work in the plains.

5. It is this last considera-tion which compels me to condemn the brick field, for even supposing that, with great care and watchfulness we could reduce the price of bricks in future to Rs 15 per 1000, or with charges

for Sand and labour and cartage to Rs 20 (which I am convinced would be the minimum of possible reduction), will it be worth our while to pay this price - to say nothing of the endless trouble in accounts &c. taking up time which might with advantage be otherwise employed - for a most inferior article, when we can for the same money obtain in the market a very good brick.

6 Supposing we were to stop work at once the total loss to end of September would be Rupees 23,754. Against this might be set off a certain sum for the sale of the property. The Engine could be used to work the stone breakers with advantage, the brick making machines might be sold.

7. Another reason for discontinuing the manufacture is that I do not see any immediate demand for bricks and were we to turn them out in such quantities as would at all pay for the Sand and Kiln &c. charges, we would have a lot of stocks on hand which it might take us years to use up.

8. Under the circumstances therefore, I strongly recommend the discontinuance of this profitless work.

I have the honor to be
Sir,
Your most Obt. Servant.

A L Smith Major R.E.
Executive Engr.

SUPDG. ENGINEER'S OFFICE
No. 700 N.I
18 NOV. 84
P.W.D.
FOURTH CIRCLE

From

The Executive Engineer,
Nilgiri Division

No. 409

Dated 17.11.84

Received

Enclosures. 0

Lake Brickfield — recommends under circumstances mentioned the discontinuance of stock manufacture in the —

No [illegible]30 Executive Engineer's office
Ootacamund 26th November 84

545/18

From,

The Executive Engineer
Nilgiri Division

To,

The Superintending Engineer
4th Circle

Sir,

In reply to your memo. No 583/22 dated 19 Instant on the subject of the Lake Brick-field, I have the honor to state that, by the "very good brick" referred to as obtainable in the market here, I do not mean what I should call a first class brick in the plains, but a very good brick compared to the rubbish hitherto turned out in the Lake Brickfield. I have seen some very fair bricks as to quality of material though certainly not as to shape in the market here. My expression was a comparative one. The brick I refer to is to be purchased at Rs: 12 per 1000, and is over and over again worth that amount compared to the Rs: 30 per 1000 bricks that has up to date been turned out in our field.

2. As to the reason why I see no prospect of turning out good bricks "at a reasonable price" I have already pointed out that the manufacture up to date has proved so costly that in order to make the concern pay the price will be rupees 30 per 1000 irrespective of the quality of the brick and this latter up to date has been as already reported, and I cannot call Rs: 30 per 1000 a reasonable price even for a first class article.

3. The Superintendent of experience Mr. Mullane, always speaks in a most sanguine way of the future quality and cost of brick he intends turning out, but with the exception of a few picked bricks and some samples made of the old Kandal field clay the bricks turned out up to date of my report are as then reported.

4. The bricks referred to by you as having been made by Major Morant are doubtless very good, but they were not made at the Lake Brickfield.

5. In justice to myself I have represented facts as I have found them. I have been perhaps hasty in condemning the field altogether without further trial, and in any case I would not stop work (I did not intend you to conclude this from my letter) at once as we have a certain demand just at present and fair weather in front of us for 2 or 3 months, so that perhaps it will be better to suspend judgment until further trial and we may perhaps be able to reduce the actual cost of manufacture considerably

6. I am now able to report that the last bricks burnt

decidedly better than those up to date but even now I cannot get a brick fit to put in the arches of the new Charing cross bridge. I have however started a small press machine for this purpose.

7. Also I have great hopes of being able to work the Engine—sent up in an incomplete state—in a day or two. I started it this morning and only a few minor alterations are required as far as I can see at present to make it work satisfactorily

8. In conclusion if the clay at the New field is capable of being worked up into a good stuff, I shall be able to turn out good bricks here but

sent they [illegible] what I call
costly.

I have the honor to be
Sir
Your most obt Svt

A L Smith Major RE
Executive Engineer

True

ENGINEER'S OFFICE
736 N I
28 NOV 84
P.W.D.
FOURTH CIRCLE

From

The Executive Engineer
Nilgiri Division

No. 1
501 of 84

No. 430

Dated 26th } November 1884.
Received. }

Enclosure. Nil

Brick Manufacture at the Lake Brick Field Ootacamund

Submits further explanation in regard to discontinuing the —

Ootacamund 545/10
No. 385 14th January 1885.

ENGINEER'S OFFICE
35 N I
19 JAN. 85
P.W.D.
FOURTH CIRCLE

From
Sub Conductor A. C. Lord.
Supervisor.

To
The Executive Engineer
Nilgiri Division.

Sir,

In reply to your No. 797 d/6th instant, I beg to state, that arrangements have been made for the taking of the Engine, now in the Brickfield, out to where Mr. Mullane has a lot of stone broken ready for crushing, in order to give the machine a trial.

2. Repeated trials have only gone to show that the above Engine is not sufficiently powerful to make bricks by the Machine, even with the new gear, it will work the machine while the clay is soft, but then the bricks when made cannot be handled, and as soon as the clay is put in so stiff as to admit of their ex

being handled, the machine stops for want of power in the Engine. The consequence is that I am obliged to put down the outturn as next to nothing; the few bricks that have been made being so badly shaped, from the above causes, as to be hardly worth taking into account.

3. With regard to the management of the field I fear it will be necessary to make a change, as Mr Mullane seems to be deficient in 2 very essential points viz. Command of labor, and Command of respect from work people, and others employed about the field, that he can make bricks, there is not a doubt, but I believe he has failed from the above causes.

I beg &c &c

Sgd/ A. C. Lord. Act Cond.
Superior.

(True copy)

A Smith Major R.E
Executive Engineer

565
17

No. 525. Nilgiri Division Office
Ootacamund 17th January 85.

From
The Executive Engineer,
Nilgiri Division,

To
The Superintending Engineer,
II Circle.

Enclosure
Copy of report from Mr Lord

Sir,

In continuation of my letter No. 523A D/~~16~~17th instant, and with reference to your endorsement No. 667/N.I of 24th ultimo, it is with much regret I have the honor to report that the Engine lately purchased for the Brick making machine is not powerful enough to work it.

2. Also that Mr Mullane to whom I have now given a fair trial is not capable of managing a Concern like this Brick Manufactory as he is unable to Command respect from his

Coolies and he has no command of labor and has no method whatever.

3. I enclose a report from Mr. Lord on the subject.

4. I am now trying the Engine on the Stone breaker and will report the result.

I have the honor to be
Sir
Your most obedient Servant

A. Smith Major RE
Executive Engineer Nilgiri Div

True

Encl: No 1 in S. E.'s letter No 26/E.W. d/22/1/85

35 W.J.
S. ENGINEER'S OFFICE
19 JAN 85
P.W.D.
FOURTH CIRCLE

From

The Executive Engineer
Nilgiri Division

No 525

Dated 17th } January 1885
Received }

Enclosure 1

Lake Brick field - Ooty

Reports on the Engine purchased for the - and the management of work there by Mr. Mullane

To await a report promised in the

No 564. Nilgiri Division Office
Ootacamund 30th January/85

565/19

From,
The Executive Engineer
Nilgiri Division

To,
The Superintending Engineer
IVth Circle

Sir,

With reference to your letter No 62/N.I dated 5th December 1884, calling for a complete account shewing the details of Receipts and expenditure on the Lake Brick Field up to date, I have the honor to report as follows:-

1	Cost of operations from commencement in October 1883 to end of December 1884	Rs: 12,546-9-10
2	Land and Kiln & ca charges: Do — Do	" 21,253-6-4
3	Machinery and Tools and Plant in use in the Brick field	" 4,411-2-5
	Total expended	" 38,211-2-7

×
Brick drying Shed 3,957-0-3
Brickfield levelling trenching } [illegible]296-6-1
Total 21,253-6-4

[illegible] 11740-1-7

38211-2-7

Deduct value of out turn to end of December 1884 as detailed in the margin. 8396-·-·

Liabilities roughly stated not as yet covered by out turn. 29815-2-7

Burnt bricks	No.
December 1883 (out-turn)	24,500
Jany 1884	57,000
Feby — " —	Nil
March — " —	18,000
April " —	108,000
May " —	58,000
June " —	Nil
July " —	26,000
August " —	23,000
Septr — " —	45,000
October — " —	39,300
Novr — " —	30,000
Decr — " —	Nil
Total No.	419,800
Issues to works to end of December 1884	404,451
No. in hand on 1st January 1885	15,349
Valued at Rs.	460

2 I would here explain that Item (3) has not been actually debited to the Brickfield, but to the separate head "Tools and Plant," although in preparing a regular Capital account of the undertaking it would be necessary to take into consideration, not only the value of Machinery specially obtained for the working of the Factory, but also the share of establishment as well as interest at the mercantile rate on the Capital outlay incurred, as is done in the case of Productive Public Works carried out from Borrowed Funds; but as these additional items would tend to add largely, and perhaps hopelessly to the already indebted state of this profitable field, which is scarcely able to bear its own legitimate working expenses, let alone the charges for land and Kilns, I have only taken into account in this report, the cost of operations, plus a fair percentage of land and Kilns, and setting off against this the out-turn to end of December 1884, bring out the actual loss to that date.

3. The total cost of operations (including proportionate charges for Land, Kilns &co. to end of May 1884) from the commencement to end of December 1884 is Rs: 12,546-9-10. I would here explain that the proportionate charge to manufacture on account of land and Kilns is not now made, as it has been considered advisable to hold them in abeyance until it can be shown that the manufacture is able to pay its own working expenses, which up to this date it cannot be said to have yet done.

4. The following therefore is the

actual state of the account, according to the books of this Office to end of December 1884:-

The total cost of operations including land and Kiln charges
to end of May 1884 —— 12,546-9-10
Deduct value of outturn to end of December 1884 —— 8,396-0-0 ×
Loss on working —— 4,150-9-10
Deduct value of materials at site at end of December 1884. 1,045-2-3
Net actual loss to end of December 1884 —— 3105-7-7 ×

9840-0-8
8703-0-2
1657-13-11

Of this amount Rs 1447-9-8 representing the net loss on last years operations have been adjusted to debit of works in progress in the accounts for December 1884. Vide Code para 2227- leaving a balance of Rupees 1657-13-11 to be absorbed in the operations of the current Official year. The value of the out-turn (419,800 bricks) has been entered at Rs. 8396 calculated at Rs 20 per 1000 bricks. If to this the net loss up to date (viz Rs. 3,105-7-7) be added, the value of the out turn, excluding land & Kiln &c charges, will be Rs. 9661 or Rs 23 per 1000. To the rate thus obtained, should be added a fair per centage on account of land and Kiln &c charges calculated in the following manner vide Code para 2234. Say the manufacture will turn out within 8 years 32 lacs of bricks i.e. about an average of 4 lacs a year, which at Rs 7 per 1000 would about cover the Rupees 21253 expended on Land, Kilns &c; this will increase the rate to Rs: 30 per 1000. If the cost of Tools and Plant, Share of establishment charges and interest on Capital be taken into account, the rate will be still further increased.

Without these latter charges which may be set down as indirect so far as the works are concerned; the cost of cartage of the bricks from the Govts Brick field to the site of works, should be taken into consideration, as forming a direct charge to the works; this will bring up the rate to about Rs. 34 or 35 per 1000.

5. Thus at the rate at which the factory has been worked to end of December 1884 the cost of bricks per 1000 should have been charged for at Rs 30 instead of Rs. 20.

6. I regret to add that up to this date, the outturn from the field, has been so inferior, as to justify the recommendation made in my letter No. 409 of 17th November 1884 that it should be at once closed as a profitless undertaking; to give a practical and forcible illustration of the worthless outturn hitherto I would refer to the recent issue of a supply of these bricks for the Charing Cross bridge. The bricks were found to be so inferior that they had to be summarily rejected, and a fresh supply obtained from the stock in hand at Wellington, which are found to be infinitely superior, although they only cost Rs 12 per 1000. Perhaps the cause of failure has to be attributed in a great measure to the want of proper management, or rather to mismanagement of affairs on the part [illegible] Mr. Mullany the superintendent, whose services are to be dispensed with on the 31st of the current month. Having in view the particular desire of Government as expressed in your Endorsement [illegible] 33/ns dated 19th November 1884, that nothing should be left undone on the part of the Department, to turn out good bricks, the field will be given a further trial under change of supervision, but

Encl. No. 2 to S.E.'s letter No. 69 d/11/2/85
E.M.

I may at once say that consider-ing the indebtedness of the field and the heavy outlay that has already been incurred, it will take years before we can possibly hope to work the factory at any thing like a profit, and even then there must be a continuous demand for the bricks as they are turned out, which seems extremely doubtful, considering that the only two of the principal works in progress on which they are likely to be extensively used, are having their demands met from the stock at Wellington.

7. A further report on the sub-[illegible] will be submitted at the [illegible]e current official year.

I have the honor to be
Sir,
your most obdt. St.
(Sgd) A. C. Smith Maj. RE
Exec Engineer.

(True Copy)

J. Beatty — Colonel RE
Supdg Engr. 4th Circle.

Nilgiri Division office
No. 580. Ootacamund 4th February/85

565/32

From,
The Executive Engineer
Nilgiri Division

To,
The Superintending Engineer
4th Circle

Sir,

I have the honor to report that I have now tried the 8 H.P. Engine, which has failed to work the brick-maker and the Stone breaker; and I find it will turn out 12 c.yds per day of small metal. It does this working easily with only 30 lb pressure and I have no doubt it will work both Stone-breakers at once. I would therefore strongly recommend that this Engine be kept for this work.

2 With regard to the Brick-field, I have the honor to request

sanction for the purchase of a 12 H.P. Engine as it is impossible to work the clay stiff enough without higher power than we possess at present, and unless this clay is worked very stiff, I am satisfied we shall never make good bricks from it.

I have &c

(Signed) A. C. Smith Major R.E.
Executive Engineer 4th Dn.

(True copy) -

J. Beatty - Colonel R.E.
Superintending Engineer
4 Circle

Encl: No 1 to S. E's letter No 68/E.W. d/11/2/85

p 3

No 68/E.W.

Supg. Engineer's Office IV Circle
Coimbatore 11th February 1885

545

From

The Superintending Engineer
IV Circle

To

The Chief Engineer
Public Works Department

Sir,

Enclosures 2.

In Continuation of my letter No 535 of 5th December 1884, I have the honor to forward herewith two letters from the Executive Engineers Nilgiris No 564 & 580 of 30th Ulto, and 4th instant respectively.

2. In the first letter, the Executive Engineer gives details of the unsatisfactory working of the Lake Brickfield up to date; and in the second he reports that the stone-breaking machine has been successfully worked by the 8 Horse Power Engine which had been found insufficient to work the Brick making

machine. Major Smith also now recommends the purchase of a 12 Horse Power engine to work the brickmaking machine.

3. As to continuing works at the Brickfield, I think there should be no hesitation. A large outlay has already been incurred in starting the field, which would be in a great measure thrown away, if the work be stopped now.

The field has been thoroughly examined, and all that is wanted, as has been long known, is efficient supervision and a powerful engine to work the machine.

4. The late Superintendent, Mr. Mullane, has proved a failure; and his services have been dispensed with. He knew something of Clays and brick making, but was wanting in tact for dealing with labor, and was a bad manager. He has been replaced by a Sub Overseer under the direction of Sub Contractor Lord.

5. Good bricks are still badly wanted at Ooty, and cannot be purchased.

545/30

The case instanced by Major Smith shows this. He could not procure sufficiently good bricks for the Arch of the Charing Cross bridge and had to cart them up from Wellington. These bricks cost 12 Rupees a thousand, but with carriage to Ooty they would probably be double that rate. With proper supervision, and a powerful engine to work the machine, I see no reason why the cost of brick making should be greater than at Wellington or the quality of the bricks inferior.

6. I recommend that the net loss up to date, determined by the Examiner, should be written off, and the working of the field continued with the aid of a 12 Horse power engine specially purchased for the work.

I have the honor to be,
Sir,
Your most obedt. Servt.,

J. Beatty Col: R.E.
Superintending Engineer 3rd Circle

R No. 794

16/17 2 85

No. 409 D of 16th February /85

To C.

With reference to the last para of this letter from Supg Engr IV Circle please report the amount which should be written off, as suggested by the Supdg. Engineer

CM.

16.2.85

From

The Supg. Engineer IV Circle.

Dated 11th } February 1885.
Despd }
Recd }

17 FEB 85

No. 68 / P.W.

Enclosures 2.

Brick making operations at the Cake Brickfield Ootacamund.

Submits two letters regarding - - - - - and recommends purchase of a 12 H.P. Engine.

To

R No 5956
21-2-85

There was one for sale in Madras, a short time back, but it has been lately sold & removed. There must be several belonging to defunct gold mines, lying useless in the hills. None available in Stores. Can be purchased new in Bombay for Rs. 440.

J. B. de Covinton

20.2.85.

No 4347
To the Depy Chief Engr
[illegible]
23/2/85

R No 5818
16-2-

No. 410 D.

GOVT. OF MADRAS } 188 545/10 { P. W. DEPT.

SECRETARY.

Chepák, 16th February 1885.

OFFICE NOTE.

From Wks C No 2019
W.

To S. E. V

The S. E. IV Circle applies for sanction to the purchase of a 12 H.P. Steam engine for the brickfields at Dolavaram.

Please report whether such an engine is available in the P. W. Stores, or whether the Genl Supt knows how one may be obtained without much delay.

Files put up with the memo no. 814 C d/26/2/86

KEEP WITH Genl. No.
dated 188

[Form No. viii.]

GOVT. OF MADRAS } 1885 545/18 { P. W. DEPT.

EXAMINER, P. W. ACCOUNTS.

Madras, 5th March 1885.

OFFICE NOTE No. 884

To
W.

6 MAR 85

Encs 3

Your O.N. No. 409 D. dated 16th. February 1885.

Wks Cho 1726

The figures shewn in the Accounts are as follows:-

	Charges	Outturn
To end of March 1884	1,990-0-0	1990-0-0
Charges and outturn in current year to end of December 1884	10,556-9-10	7853-9-
	12,546-9-10	9843-9-8

Difference Rs. 2,703-0-2

Deduct Materials at site as per Executive Engineer's letter..........Rs. 1,045-2-3

Net Loss Rs. 1,657-13-11

2. In my opinion a further sum of Rs. 1,540 should also be dealt with on account of Land and Kiln charges which should have been debited to operations for the 7 months June to end of December. The Executive Engineer suggests that the amount of Rs. 21,253 might be covered in 8

years, or at the rate of Rs. 3,658 per annum, or Rs. 330 per mensem. For [illegible] 7 months, at this computation Rs. 1,540 should have been charged to the cost of Manufacture, the outturn from which has been thereby undercharged.

3. The amount to be adjusted is therefore I consider Rs. 3,197-13-11 which should be charged off to works in progress.

C.

9/3

No. 545 W

P. W. Department

Proceedings of the Madras Government

under date the 9th March/85

Read the following,

Letter from S. E. IV. Circle W. E. No. 535/E.W d/ 5th December/84
—— Do —— " 26/E.W d/ 22nd January/85
—— Do —— " 68/E.W d/ 11th Feby./85
From S. E. V. Circle —— " 4347 d/ 23rd Feby./85
Office Note from the Ex: P.W. secty. " 884 d/ 5th March/85

The Government regret to learn that the operations at the Lake brickfield at Ootacamund have hitherto proved so unsatisfactory, that they concur with the Superintending Engineer that the experiment should be continued.

2. The Superintending Engineer will submit definite proposals for the purchase of a 12 H.P. Engine, after inquiry whether one can be obtained from the Wynaad Goldmines, or elsewhere.

3. The sum of Rs 3197-13-11 will, as recommended by the Examiner P.W. Accounts, be charged off to works in progress.

CW.
7.3.85

7-3-85

S.E. IV Circle, with copy of note to S.E. V, No. 410 dated 16-2-85 & of reply No. 4347 of 23-2-85.
Ex: P.W. accts.

19/3

Govt. of 1885 Madras.

PUBLIC WORKS.

Dated

Recd. Encl.

G.O., 6 Nov 1885, No 54

Lake Wickfield,—

Ootacamund

=

Orders re repairs of

the structures at the