| Date taken out. | For what purpose. | | | Initials of clerk taking the paper or of attender. | Date returned. | Initials of attender. |
|---|---|---|---|---|---|---|
| | Department. | C. No. | Year. | | | |
| | | | | | | |

B15/10/85 R. 17.10.85

Colar Gold Mines
28th Decr/83.

The Secretary P.W. Dept:
Madras.

Sir-

Under instructions from Mr. Madge I beg to hand you herewith a List of Engines we have now on the Mine-

I am Sir
Your Obt Svt.
J. Hebl
Clerk in charge of the Mine-

List of Engines on the Colar Gold Mine.

1. Portable Engine complete- 8 H.P. by Marshall &-
1. Engine by Jas Watt- double Cylinder- 15" diameter- Horizontal- Condensing- with Boiler &c-
1. Engine by R. Haygood &Co- 16" diameter Cylinder- Condensing with Boiler and Chimney- this is now used for pumping-
1. Small Engine- double Cylinder 7" diameter- with spare parts and hauling gear fixed for pumping-

J. Hebl
Clerk in charge of the Mine-

Carolina Coffee Estate,
Pundalur.
S. E. Wynaad.
26 Decr 1883.

To the Secretary
Public Works Department
Madras.

Sir,

I have been requested by the liquidators of the "Colar Gold Mining Co. Ltd" to ask if you know that there are several engines & boilers, besides other machinery on the mines at Colar Road, and I shall be glad if you could make me an offer for any or all of them.

I have written to my writer who is on the mines to forward

No. Ch. 4599
122

obliged if you would kindly send some one to inspect what is there.

I am, Sir,
Yours faithfully
for the Liquidators of the
Colar Gold Mining Co. Ltd.
Arthur Madge

Rec'd 28/12/83

PUBLIC WORKS STORE DEPARTMENT,

Madras. 8th January 1884.

No. 1249 S.

From

THE GENERAL SUPERINTENDENT,
PUBLIC WORKS STORES, &c.,

To

THE Under Secretary to Government
P. W. D.
Chepauk.

SIR,

In returning herewith the Enclosures. 2, papers relative to the Machinery available for sale by the Colar Gold Mining Company I have the honor to state that I shall be glad to take over the 8 Horse Power Engine by Marshall & Co. for use of the Workshop, if in good working order.

2. Mr. Madge requests that some person might be sent to Colar to inspect the Machinery. I do not think this desirable in this instance, but if the Engine could be sent to the Workshop for examination with a Statement of Original Cost, how long the Engine has been in use and when it was received in this Country, I shall make a fair Estimate of its present value. The cost of carriage to Madras should be borne by the Company. In the event of the Engine not being approved it can be sold by Auction to better advantage

in

ins Madras thaw at Calas.

I have the honor to be,
Sir,
Your most Obedient Servt
W. C. Badenoch Lieut. R.E.
General Supt. P. W. Stores

Ex. No. 12.

It is questionable whether the workshop Machinery should be increased under present circumstances

C.S.
9.1.84.

To W.

Liquidators of Colar Gold Mining Company offer for sale the machinery at the fields. Capt Haddelsey reports that he will be glad to take over the 8 Horse Power portable Engine if in good order & price reasonable. Doubtless the Engine would be found useful by & bye, but there is no pressing need for me that I am aware of. The only thing in favour of our taking it is that we may be able to get it at a low figure;

C.S.

If you approve I will direct enquiry to be made as to the price, condition of Engine, &c. 9.1.84.

D.W.

Yes. Please make inquiry as suggested.

D.W.
9.1.84.

**Public Works Store Department.**

From

THE GENERAL SUPERINTENDENT,
P. W. STORES, &c.,
MADRAS.

To The Under Secy to Govt P.W.D. Chepauk

No. 1249 S.

Dated 8th
Despd. 8th January 1884
Recd. 9

No. OF ENCLOSURES. Two

Returns papers relative to the machinery available for sale by the Colar Gold Mining Company and states that the 8 H.P. Engine may be taken over for use of the Workshop, if in good working order.

W.D.

No. 430 dated 11th January 1884.

Inform.

With reference to his letter No. 1249 S/7 8th January 1884, the Genl Supt P.W. Stores is requested to ascertain (1) if the 8 H.P. engine at Colar is in good order, (2) at what figure he can obtain it, and to report what saving will eventually result if this engine is procured.

C.S.
10.1.84

Genl Supt P.W. Stores
Despd 11/1/84

Memo. No. 9 D of 4-1-84

E.C.
267c. 6-2-84.

No. 43c of 11th January/84

C.A.A.

Please forward this
Capt. Maddeley for Obliging
early report

CJ

22-1-84.

F.C.
21 c. 30-1-84.

No. 1498

GOVT. OF MADRAS. } 188 . { P. W. DEPT.

**SECRETARY.**

Chepauk, 22 January 1884.

OFFICE NOTE.

To The Genl Supt
Do Works

The attached letter from Mr C. Vincent dated, Calcutta 16th January 1884, is forwarded for obliging early report.

D/ 23/1
D.W.

from some of the irrigation projects, & in any case the matter seems worth enquiring.

Yours sincerely
Claude Vincent

22/1

22/1

Mr Buckley Chas

No. 149 D.

GOVT. OF MADRAS. } 188 . { F. I.

SECRETARY.

Chepauk, 22nd January 1884.

OFFICE NOTE. 5th Feb/84

To The General Supdt.
P. W. Stores.

The attached letter from Mr. C. Vincent, dated Calcutta, 16th January 1884, is forwarded for obtaining early report.

CJ

L. W.

23/1

22-1-84

Replied to Mr. Vincent.

W. C. Buddeley.
24/1/84.

PUBLIC WORKS STORE DEPARTMENT,

Madras, 24th January 1884.

No. 13198.

From

THE GENERAL SUPERINTENDENT,
PUBLIC WORKS STORES, &c.,

To

THE Deputy Chief Engineer
Public Works Department
Madras.

SIR,

Enclosures.

With reference to your Office note No. 149 D. of 22nd January 1884 I would suggest that a Caloric Engine of about 8 or 10 H. P. be procured from Calcutta for trial in the P. W. Workshop.

The Engine is required to drive the shafting in a large Machine shop. If the Engine works satisfactorily there ought to be a very great saving in fuel.

An indent has been sent to England for two Steam Engines for the Workshop; and if the Caloric Engine proves a success I propose to take it in lieu of one of the Steam Engines, which would then be available for issue elsewhere

I should be glad to know if the Caloric Engines are made of the portable agricultural type as if they

No. 149 D. 1

GOVT. OF MADRAS. } 188 . { F I

**SECRETARY.**

Chepauk, 22d January 1884.

**OFFICE NOTE.** 8th Feb/84

To The General Supt.
S. W. Stores.

The attached letter from Mr. C. Vincent, dated Calcutta, 16th January 1884 is forwarded for obtaining early report.

CJ

L. W.

23/1

22-1-84

Replied to Mr. Vincent.

W. C. Buddicom.
24/1/84.

PUBLIC WORKS STORE DEPARTMENT,

Madras, 24th January 1884.

No. 1319 S.

From

THE GENERAL SUPERINTENDENT,

PUBLIC WORKS STORES, &c.,

To

THE Deputy Chief Engineer
Public Works Department
Madras.

SIR,

Enclosures.

With reference to your Office Note No 149 D. of 22d January 1884 I would suggest that a Caloric Engine of about 8 or 10 H. P. be procured from Calcutta for trial in the P. W. Workshop.

The Engine is required to drive the shafting in a large Machine shop. If the Engine works satisfactorily there ought to be a very great saving in fuel.

An indent has been sent to England for two Steam Engines for the Workshop; and if the Caloric Engine proves a success I propose to take it in lieu of one of the Steam Engines, which would then be available for issue elsewhere

I should be glad to know if the Caloric Engines are made of the portable agricultural type as if they

cannot be easily moved about they would be useless for pumping purposes, in the N.W. generally. I have the honor to be

Sir

Your most obed.t Servant

W.C. Baddeley, Lieut.t R.E

General Sup.t P. W. Stores.

No. 149 Dy 22-1-84

**Public Works Store Department.**

From

THE GENERAL SUPERINTENDENT,
P. W. STORES, &c.,
MADRAS.

To The Deputy Chief Engineer
Public Works Department
Madras

No. 1319 S.

Dated 24.1
Despd. 24.1 January 1884
Recd. 25

No. OF ENCLOSURES.

Suggests that a Calorie Engine of about 8 or 10 H.P. be procured from Calcutta for trial in the P. W. Workshops

No 219 Cy 30-1-84

Sd 1/2

PUBLIC WORKS STORE DEPARTMENT,
Madras, 30 January 1884.

SUPERINTENDENT,
PUBLIC WORKS STORES, &c.,

or Secretary to Govt
P.W.D.

With reference to your Memo dated 11th January 1884, and Engineer's Office note No. 149 dated January 1884, I have the state that if Government the purchase of the Calorie P. Engine at the Calcutta n by Mr. Vincent, for the Workshops, applied for in No. 1319 S dated 24th Jany 84 P. Steam Engine available will not be required.

I have the honor to be,
Sir
Your most Obnt. Servt.
C B Baddeley, Captain R.E.
General Supt. P.W. Stores

It has already been decided that the Calorie Engine is not to be purchased. Cpt Hadley must now say if the Engine at Colar is clearly required. It seems to me that, pressing as some [illegible] that it was considered undesirable to go to the expense of buying a new calorie Engine, we should refrain from inserting in the Colar Engine —

Cpt
7-2-84

**Public Works Store Department.**

From

THE GENERAL SUPERINTENDENT,
P. W. STORES, &c.,
MADRAS,

To *The Under Secretary to Govt Pub. D*

No. 13538.

Dated 30
Despd. 30 } January 1884.
Recd. 1/2/84

No. OF ENCLOSURES.

*No. 267 Cdy 6-2-84*

Stating that 8 H.P. Steam Engine available at Colar will not be required if Govt sanction the purchase of the Calorie 8 or 10 H.P. Engine at the Calcutta Exhibition by Mr Vincent —

P.W.D.

*No. 267 Cdy 6th February 84*

Memo.

With reference to letter from the General Supt P. W. Stores &c 13538 dy 30th January 1884, the undersigned has the honor to state that, as the future position of the P. W. Workshops is still undecided, it has been resolved not to incur any expenditure for the present in the purchase of a Calorie engine from Calcutta. The General Supt is therefore requested to report whether the engine at Kolar is clearly required, and

and if so to reply to the questions asked in this office memo No 43C dated 11 January 1884.

CS
1-2-84

WS
2-2-84

No 219C dy 30-1-84
No 43C dy 11-1-84

2.C.

320C. 12-2-84.

No 267C dy 6-2-84

p 6/2

To Superintendent Govt Works

Entd in Kept Copy

Rec'd 7/2 dy/2

PUBLIC WORKS STORE DEPARTMENT,

*Madras,* 7th February 1884.

No. 1414 S.

From

THE GENERAL SUPERINTENDENT,

PUBLIC WORKS STORES, &c.,

To

THE *Deputy Chief Engineer*
*Public Works Department*

SIR,

Enclosures.

With reference to your memo 267C of 6th Instant I have the honor to state that from the replies I have received from the Manager of the Kolar Mine I am not desirous of taking over the Engine in question

I have the honor to be
Sir
Your most obedt. Servant

Capt. R&
Genl. Supt. P. W. Stores.

No. 1186

**Public Works Store Department.**

From

THE GENERAL SUPERINTENDENT,
P. W. STORES, &C.,
MADRAS,

To The Deputy Chief Engr
P. W. D.

No. 1414 S.

Dated 7
Despd. 7 February 1884
Recd. 8

No. OF ENCLOSURES.

No: 320 Cdy 12-2-84

States that he is not desirous of taking over the Engine in question from the Kolar Mine.

S. Ald

No: 320 Cdy 12-2-84 P W D

To

A. Madgeburn
Pundalur.

Sir,

In reply to your letter of the 26th Decr last, I have the honour to state that no portion of the machinery, ~~engine~~ on the mines at Kolar Road, is required by the Indian P. W. Department.

Cy
9-2-84

9-2-84

Cy

Desd 12/2/84.

No: 267 C dy 6-2-84
" 219 C dy 30-1-84
" 1498 dy 22-1-84
" 43 C dy 11-1-84

No: 320 C dy 12-2-84

25th June 1883, No. 1791 W., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

Read—the following letter from Colonel J. BEATTY, R.E., Superintending Engineer, Fourth Circle, to the Chief Engineer, Public Works Department, dated Ootacamund, 13th June 1883, No. 239 W.:—

I have the honor to submit an estimate, amounting to Rs. 616, for a tile-making machine, which was sent up to Ootacamund by the Consulting Architect, together with the one already sanctioned in G.O., No. 595 W., dated 23rd February last.

2. I also submit another estimate of Rs. 1,173 for a brick-making machine, including railway charges and carriage to site; this machine was one found available in the Public Works Workshops, Madras, and its value has to be adjusted.

3. The above machines have been purchased in anticipation of your sanction, and the Examiner of Public Works Accounts has brought the outlay into his objectionable statement, to remove which early sanction is solicited to the estimates.

Order—dated 25th June 1883, No. 1791 W., Public Works.

The following two estimates for the purchase of tools and plant for the Nílgiri Division are sanctioned:—

(1.) Brick-making machine, Rs. 1,173. Register No. 57 W. of 1883-84.
(2.) Revised estimate for tile-making machine and pug-mill, Rs. 1,198. Register No. 58 W. of 1883-84. This cancels Register No. 246 of 1882-83.

2. Rs. 5,000 have been appropriated for Tools and Plant for the Nílgiri Division in G.O., No. 1641 W., of the 12th June 1883.

3. The sanctions now accorded have been registered as shown above and classified as Provincial, Tools and Plant.

(True Extract.)

(Signed) R. H. SANKEY, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, Fourth Circle, with three Enclosures.
" Examiner, Public Works Accounts, with two duplicate Abstract Estimates.

Exd. A. F. Goodall.
Spare Copies

GENERAL.
ACCOUNT.

# Govt. of {1883} Madras.

PUBLIC WORKS.

*Dated June, 25th.*

*Recd.* *Encl.*

**G.O., 25th June 1883, No. 1791 W.**

**JUNE.**

---

**Tools and Plant for the Nilgiri Division**

*Estimates for the purchase of* —, sanctioned.

No. 299

Supy: Engineer's office IV Circle
Camp Sattyamungalum, 23d July 1883.

From,

The Superintending Engineer
IV Circle

To,

The Chief Engineer
P. W. Dept.

Sir,

I have the honor to forward for sanction an Indent on the General Superintendent of Public Works Stores for a Steam Engine of 6 to 8 horse power for working the pugging and brickmaking machine at Ootacamund in supercession of the one submitted with my letter No. 280 of 10th Instant.

Enclosures 1

*C.No. 5881 in Ka Circular Section

I have the honor to be
Sir
Your most obt servt

R. Beatty. Colonel RE
Supy: Engineer IV Circle

Keep clear

Superintending Engineer's office 4th Circle. Public Works Department.

Indent on the Public Works Stores Madras for the delivery of the following article.

| Description of article | No now in hand. | Date of last issue. | No now required. | For what purpose. | Admitted No. | Admitted Value. | Remarks. |
|---|---|---|---|---|---|---|---|
| 1 Four horse power Steam engine _____ | " | " | 1 | For working the pugging and brick making machine for use in the Nilgiri Dn. | | | To be forwarded by Rail to Mettapollium consigned to J.C. Sarminie Esquire Executive Engineer Nilgiri Dn. Ootacamund c/o. Esoffsist at Mettapollium. |

C. Hunter Major R.E.
Dy Chief Engr & P.W. Dept.

L. Beatty - Capt. R.E.
Superintending Engineer
10th July 1863 4th Circle.

From
The Asst. Engineer
South Arcot.

P.W.C.No. 6312

Dated 25th July 1863
Recd 25 — Sept.
Rec. 25 ——

P.No. 299

Encl: 1

Asst Engr:—
Forwarding for
Admission an Indent on
the General Superintendent
P.W. stores for a — 4 H.P.
4 horse power for working
the pugging and brick-making
machine now in use at Ootacamund

4th Circle D.P.W.

280/83
S. & IV

Dated 10th & Desp: 11th } July 1883.

Indent on the P.W. Stores Madras for the delivery of Certain Machinery.

—

Supd. Engineer's Office 4th Circle,
Coimbatore, 10th July 1883.

No. 280

From,

The Superintending Engineer,
Fourth Circle.

To,

The Chief Engineer
P.W. Department.

Sir,

Enclosure 1 Indent in duplicate.

I have the honor to bring to your notice that a steam engine is needed for working the pugging and brick making machine lately received at Ootacamund, and that there is a 4-horse-power engine available in the P.W. Stores. A 4-horse-power engine is hardly powerful enough, but apparently no other is available and consequently I send an Indent for it, for your sanction.

I have the honor to be
Sir
Your most obedt. Servant.
R. Beatty - Coll. R.E.
Superintending Engineer
4th Circle.

Cir No 1791 ⁄ 25.6.83

No 1387 Cdy 27th July 83

The Indent is
Sanctioned and trans-
-ferred to the Genl Supdt
P W Stores for compliance.

Cy
14/7

1817

To
The Supdt. Fourth Circle
& Genl Supdt P W S.
with indent file
duplicate
Dd 8/8

Cir No 20.7
with 1714 Ret. 21/7

S.W.C. No 1881

From
The Supg. Engineer,
Fourth Circle.

No 1387 Cdy 27-7-83

Dated 10th July
Recd: 11th — Do — } 1883.

No 280

Enc: 1

Surging and Brickmaking
machine at Ootacamund:—

Forwarding an
Indent for a four horse
power steam engine for
working the ——.

1791 ⁄ 25-6-83

Note order
Instd. in receipt Reg.

Surg. Engineer's Office 4th Circle,
Coimbatore, 9th August 1883.

No. 332

From,

The Superintending Engineer,
Fourth Circle.

To,

The Chief Engineer
P. W. D.

Sir,

With reference to your Memoran-
dum No. 1387 C of 27th ultimo, I have the honor
to inform you that the Executive Engineer
now states that the 4 H.P. engine will
not be powerful enough, and a revised
indent was therefore sent for an engine
from 6 to 8 H.P. with my No. 299 of 23d.
ultimo; and to request you will be good
enough to order the more powerful engine
to be sent.

I have the honor to be,
Sir,
Your Most Obt. Servant.
L. Beatty. Lieut. R.E.
Supg. Engr., 4th Circle.

No 1549 C dy 17 Augt 83

C

With reference to this letter No 332 dy 9th August 1883, the Lt. Fourth Circle is informed that the revised indent was sanctioned & forwarded to the Genl Supdt, P.W. Stores, with this Office No 1387 C dy 27th July 83

CS
14/8

No 1387 C dy 27-7-83
G.O. 1791 C dy 25-6-83

Lt. Fourth Circle
Fourth Circle

Dew 17/8

Inv/p

P.W. Acc. 6891

No 1549 C dy 17-8-83

Dated 9th
Recd: 10th } August 83.

Read 13

No. 332.

Four Horse Power Engine:-

Requesting to order the 6 to 8 Horse Power Engine to be sent in lieu of the——.

Dew

Enclosed Supdt. Reports

From

The Supg. Engineer,
Fourth Circle.

To

The Superintending Engineer
Fourth Circle

Superintending Engineer's Office
4th Circle
Coimbatore 1st October 1883

No. 412

From

The Superintending Engineer
Fourth Circle

To

The Chief Engineer
Public Works Department

Sir.

With reference to my letters No 299 and 332 of 23rd July and 9th August 1883 respectively I have the honor to inform you that the Superintendent of P.W. Stores has not been able to supply an Engine of a suitable kind for the brickmaking at Ootacamund, and meantime I heard of an Engine for sale of which I send you the description

Enclosure 1.

2. I requested the Executive Engineer to inspect the Engine in question, which he has done and is of opinion that it is in fair order and would answer his purpose.

3. I request your permission to purchase it.

I

I have the honor to be
Sir
Your most obt servant

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

Description of Engine lying in the works of Messrs Stanes & Co Beypore for sale.

---

History — Purchased perfectly new from D.P.W. Madras in 1864 for 3500 Rs by Mr. Maylor of Calicut.
Horse Power - 10 (ten) H.P. nominal
Present Condition - As good as new new plates and tubes having recently been put in and generally thoroughly overhauled at the expense of over Rs 1000. Inspection invited.
It is Portable moving on iron wheels.
Single Cylinder horizontal
Price Rs 1500 Cash (Rupees Fifteen hundred)

Coimbatore 6th September 80.

J. B.

Pw. Cir. 8476

From

The Supt. Engineer,
Fourth Circle.

Cy.
4/10

No. 411 Ed. Oct. 11th 1883

Dated 1st
Despd. Do } October 83
Rec 2

No. 412

Enc: 1

Purchase of a steam
Engine:

Requesting per-
=mission for the ——
now for sale at Calicut.

A 1791 W 25.6.83
1387 C 27.7.83
1549 C 17.8.83

0218.10.
Cir 8/10 R 11/10
Cy 4/10

B/Cir

Public Works Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the

Read the following

Letter from the Supty: Engrs
Fourth Circle. No. 412 of 1st October 83

Upon the under=
=standing that the Supty:
Engineer is satisfied that
the engine will answer the
purpose in view, its pur=
=chase is sanctioned.

W.
6.10.83.

It is 20 years old
should think be exam=
by a mechanical Engr
Surely there must be
less ancient engines for
sale at the abandoned
mines in Wynaad.

Supty: Engr: Fourth Circle
Examiner P.W. Accounts.

E.E.A.S.

Hon'ble M.E. Sullivan

---

Ld Hon: Members
remarks -

W.
10.10.83.

No 441 Edf 11-10-83

Superintendent
11-10-83

Cir 8/10 R 11/10

No 441 Edf October 11th 1883.

Letter from the S.E. Fourth Circle No 412 df Octr 1st 1883

---

The Gut are doubtful of the propriety of purchasing an Engine which has been in use for about 20 years, without at least a proper Examination by a Mechanical Engineer. The Foreman of the P.W. at Madras should be sent down to Examine it, if the Ex Engr Nilgris is unable to procure a newer Engine from some of the Wynaad gold mines. A further report on this point will be awaited

(Sd) J Shaw Stewart
Col RE
Secy to Govt PWD

S.E. Fourth Circle.
Docket: 11/10

(S) RS

F.C.

47 C. 11-1-84

No. 441 E of Octr 11th 1883

Octy-D.D. 26/11/83

Supd. Engineer's Office 4th Circle,

Tolacamund 23 Octr 1883

No. 461

From,

The Superintending Engineer,

Fourth Circle.

To,

The Chief Engineer

P. W. Department

Sir,

In reply to your No. 441 E of 11th instant, I have the honor to inform you that before taking further steps in regard to the purchase of an Engine, the Executive Engineer Nilgiri Division proposes trying an Engine which he finds is available at the Laurence Asylum. Steps have been taken to remove it to the brick field.

I have the honor to be
Sir
Your Most Obt Servt
P. Beatty Lt Col RE
Supg Engr 4th Circle

Rr Cpt 9365

From

The Supt: Engineer,
Fourth Circle.

Dated 23d Sept. } October 1883.

No. 47 C. 11-1-84

No. 461

With Chs. 14 & 15 '83.

Engine:—

States that the Executive Engineer Nilgiri Division proposes trying an Engine which he finds is available at the Lawrence Asylum

(12)

O.S. 37/10
Rs 20/10

Supd. Engineer's Office 4th Circle,

Coimbatore 8th Jany 1884.

No. 11
W.

From,

The Superintending Engineer,
Fourth Circle,

To,

The Chief Engineer
P.W. Department

Sir,

With reference to your Memo No. 4441 E. of 11th October 1883, I have the honor to inform you that the Executive Engineer Cotacamund has since heard of a perfectly new Engine belonging to the Consolidated Gold Mining Company which is in every way suitable for working the brick making machine at the Lake Brickfield.

2. Mr. Larminie reports that it can be had including carriage to Cotacamund for Rs 2270, and I request you will be good enough to obtain

obtain Sanction for the purchase of it.

I have the honor to be
Sir
Your Most Obt Servt

L. Beatty Col RE

Supg Engr 4th Circle

C. No 148.

The Supdg Engr says nothing more about the Engine on the Lawrence Asylum works. vide C. No. 9365?

R.S.
10-1-84.

Naturally we ought first to know results of the trial of the Lawrence Asylum Engine which, if in good working order, would obviate necessity of purchasing new Engine, & which it is presumed is lying idle. Draft note according

C.S.
10.1.84

Yes - Ill
10-1-84.

From

The Supg: Engineer
4th Circle.

Dated 8th January 1884
Received 10

No. 47 C. 11-1-84.
No. 11. W.

With C. No. 9365 of 83

Brick-making Machines
Requests to obtain sanction for the purchase of—

C. No. 9365 of 83.
" 148 of 84.

No. 47 C

Public Works Department

Dated Madras, January 8th 1884.

Memorandum

Letter from the Superintending Engineer Fourth Circle No. 11 W of January 8th 1884

With reference to the proposal contained in the above letter, the Superintending Engineer Fourth Circle is requested to report the result of the trial of the Engine from the Lawrence Asylum works referred to in his letter No. 461 of 23d Oct. 83.

(By order)

(Signed) C Bowen Major R.E.
Dep. Chief Engineer P.W.D.

To

The S.E. Fourth Circle.

Memo No 441 E of 11. 10. 83

" 1549 C of 17. 8. 83

" 1387 C of 27. 7. 83

A. No. 1791 W of 25. 6. 83

2. C.

A. No. 906 W. 2-4-84.

No. 47 C dated 11th January 84

(12)



GOVERNMENT OF MADRAS.

# PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following papers:—

From Colonel J. BEATTY, R.E., Superintending Engineer, IV Circle, to the Chief Engineer, Public Works Department, dated Ootacamund, 12th March 1884, No. 147 E.W.

As directed in your memorandum, No. 553 C., of 5th instant, I have the honor to report on recent operations in the brickfields near Ootacamund. The brickfields in question are those at Lovedale, Stonehouse, Kandal and the Lake End.

2. *Lovedale Brickfield.*—No bricks have been made at Lovedale during the past twelve months. In May 1883, there were about 120,000 bricks in hand there, but these have all since been used up, except about 23,000. The disadvantage of making bricks there was the cost of cartage to works at Ootacamund. The bricks cost Rs. 14 a thousand on the spot, and Rs. 4 to 5 extra for cartage into Ootacamund.

3. The soil there is believed to be in no way superior to that at any of the other places where bricks have been made. There, as at Stonehouse, Kandal and Lake End, there are different kinds of clay. When brick-making was carried on there on a large scale, it was done under a European superintendent with a brick-making machine worked by a steam engine, and a special admixture of clays was adopted; but there is no record of what that mixture was.

4. *Stonehouse Brickfield.*—About $3\frac{1}{4}$ lakhs of country (ground moulded) bricks, at Rs. 6 a thousand, were made at Stonehouse for public works during the past year. They were little, if at all, better than bazaar bricks. They were used for such works as peons' quarters, servants' lines, &c. Work was discontinued at end of January as all the bricks urgently wanted had been made, and it was the wish of the Chief Engineer that brick-making in that locality should be stopped as soon as possible.

5. *Kandal Brickfield.*—About a lakh of bricks were made in the old Kandal ground during the past twelve months, and have all been used up but about 20,000. They were bench bricks of a quality superior to ordinary country bricks. The manufacture of bricks there was stopped last July, and the principal reason for abandoning that ground was the want of a good site there for a Hoffmann's kiln, similar to the one at Madras, which it was at that time in contemplation to build, and for which land was purchased at Lake End.

6. *Lake End Brickfield.*—This was commenced with the intention of erecting a Hoffmann's kiln, but it was subsequently decided to work with a Bull's trench kiln and drying-sheds. The trench kiln is capable of holding 70,000 bricks, and the two drying-sheds will hold 20,000 each. It is expected that with the aid of the trench kiln and drying-sheds brick-making may be carried on throughout the year.

7. Operations at the new brickfield have been delayed: first, by bad weather, and, secondly, by frosts, which destroyed a large number of raw bricks in the sheds.

8. At this, as at the other brickfields about Ootacamund, t
different clays, grey, red, yellow, &c., and in order to make goo
that the best mixtures should be ascertained and used, that all lu
and that the clays used should be thoroughly mixed. It is fou
be done by the brick-making machine, which crushes all lump
The ordinary pugging machines allow lumps of hard soil to pas
are fatal to good brick-making.

9. But the brick-making machine requires 18 convicts to w
three arms; bullocks were a failure, as they could not be induc

10. A trial is about to be made with horses, and if th
steam engine is the only alternative. A portable, 10 horse-p
steam engine would do well, but would probably be more expen
The little 6 horse-power engine from the Lawrence Asylum w
powerful enough to work the machine;* and the Devala Mining
not to part with the engine they had lately intended to sell.
ually decided to get an engine, it will probably have to be orde

11. The best bricks hitherto made at the new brickfield w
the machine. About two lakhs of raw bricks have been mad
which about 1,08,000 have been burnt and the bricks fit for us
superior to ordinary country bricks, but still very inferior t
years made at Lovedale and Kandal, and what, it is expected,
Lake brickfields when the best mixtures have been ascertaine
be worked.

---

Enclosure.

From J. C. LARMINIE, Esq., Executive Engineer, Nílgiri Divis
Engineer, IV Circle, dated Ootacamund, 10th March 1

In reply to your memorandum, No. 222 C., N.I., of the 8th i
state that I think there is every prospect of my being able to make f
I doubt if it will ever be possible to make as good bricks here as ar
brickfields, Madras, or those at the Railway works, Coimbatore (Pód
that such good clay does not exist here.

2. But that by mixing various kinds of clay together good br
by the bricks of which Government House is built; they were all
supervision of a European overseer or maistry, Mr. Seager, who was
in this division (not on the permanent Public Works Department staf
at the Lawrence Asylum and at Kandal, and it is to be greatly regre
dispensed with, when he took service under the municipality.

3. When I joined this division, contracts had been entered into for t
at the Lawrence Asylum and at Kandal, the specification being that t
pointed out by the department, should be used; but the real fact was the
(in the department) who had had any experience of the different clays
which they should be mixed, so the result was an experiment. The bri
nearly all been used, but they could not be called good.

4. The experience gained indicated that probably a better brick c
means available for thoroughly incorporating various kinds of clay togeth
kind of clay. This was accordingly tried at the Lake trench kiln and the
than the contract bricks of Kandal.

5. About this time I came to know of Mr. Seager's connection
brick-making, and thinking his experience might be of use, I obtained
He tried various mixtures of clay, and after a good deal of trouble in e
making machine by bullocks, he succeeded in making a few rough but fa

6. The same mixture of clays worked in the ordinary pug mills did
well; in fact were inferior to the first trial kiln of one kind of clay,
defective pugging and the absence of the crushing obtained by the r
through the brick-making machine.

7. I have now, in consequence, reverted to a very simple mixture,
tried with a small portion of a stronger clay, and I propose to continue
fairly start the brick-making machine.

ks.

here are a number of
bricks it is necessary
nps should be crushed
d that this can only
s, mixes and moulds.
s through them, which

ork it, 6 to each of the
ed to pull together.

at does not succeed, a
ower, double cylinder,
sive to use than horses.
ould evidently not be
Company has decided
o that, if it be event-
ed out from England.

re those turned out by
there up to date, of
have been of a quality
what were in former
ll yet be made at the
and the machine can

to the Superintending
No. 603.

t, I have the honor to
ricks at the Lake field.
de at the Government
), for the simple reason

can be made is proved
e at Kandal under the
loyed for many years
ially for brick-making
that his services were

manufacture of bricks
o kinds of clay, to be
was no one here then
of the proportions in
were made and have

d, with the imperfect
be made of a single
ult was a better brick

th the departmental
services for a week.
s to work the brick-
sound bricks.

t turn out nearly so
owing no doubt to
s when the clays go

the single clay first
until I am able to



8. Similar machines are, in England, worked by horses. As verbally explained, I cannot now obtain the portable engine from Pundalur, so I shall endeavour to make a trial with hired horses. Should it be successful, it will then be a question as to whether it will be more advantageous to purchase a pair of horses or a 10 horse-power, portable engine. The latter would cost in Bombay Rs. 3,900.

9. Probably a pair of horses sufficiently good might be picked up in Madras for Rs. 600 or 700. The cost of keep would be about Rs. 50 per month, which would be much cheaper than the cost of working an engine; but the engine would last for many years, and there is always the chance of horses falling sick, and of course a pair purchased cheap would not be young animals.

---

From Colonel J. BEATTY, R.E., Superintending Engineer, IV Circle, to the Chief Engineer, Public Works Department, dated Coimbatore, 21st March 1884, No. 159 E.W.

In reply to your memorandum of 11th January 1884, No. 47 C., I have the honor to state that the engine from the Lawrence Asylum was not moved to the Lake brickfield because it appeared from experience in working the brick-making machine that that engine would not be powerful enough and that it would be useless making the experiment; but if you wish it, it shall be done. The Lawrence Asylum engine is only 6 horse-power,* while the machine would probably need a 10 horse-power engine to work it efficiently.

1 Copy of letter, No. 603, of 10th March, from the Executive Engineer, Nílgiri division.

* *Vide* paragraph 10 of my letter, No. 147 E.W., of 12th instant.

---

From the same officer, dated Coimbatore, 24th March 1884, No. 166 E.W.

In continuation of my letters, Nos. 147 and 159, of 12th and 21st instant, respectively, I have the honor to forward a further report in regard to working the brick-making machine and the necessity for purchasing a steam engine for use at the Lake brickfield, Ootacamund.

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Enclosure.

From J. C. LARMINIE, Esq., Executive Engineer, Nílgiri Division, to the Superintending Engineer, IV Circle, dated Ootacamund, 19th March 1884, No. 616.

In continuation of my letter, No. 603, of 10th instant, I have the honor to state that, after further consideration of the question, I believe that, all things considered, it will, in the long run, be more satisfactory to at once procure a 10 horse-power, double cylinder, portable engine for the Lake brickfield. Such an engine, working for a couple of months, would, through the brick-machine, turn out enough bricks for an ordinary season's requirements, and it might then be used for any other work, *e.g.*, to drive a stone-crushing machine, which could, I should think, be most economically employed here now that Government are giving annual grants for the various ghât roads. I can hardly say that I have made a trial with horses. I procured a pair from Mr. Browne and, after some little difficulty, succeeded in getting them to work the brick-machine while empty. When first put in they plunged away, breaking the harness.

I was unable to continue the trial owing to the unsound and rotten state of the harness, which, after the brick-machine was loaded with clay, would not stand the strain. Mr. Browne cannot supply any other. Should it be thought worth-while making a more satisfactory trial, perhaps it would be possible to get the loan of a pair of artillery horses and their harness, which ought to be strong enough for the purpose. The only harness required in addition to head gear, would be the collars and traces.

---

Order—dated 2nd April 1884, No. 906 W., Public Works.

The Government regret to observe that the brick-making operations at Ootacamund have, so far, not proved very satisfactory. It is hoped that further efforts, under close supervision, will bring about some improvement in the quality of the bricks turned out.

2. It is suggested that Mr. Seager, who was so successful with the Lawrence Asylum and Kandal brickfields, should, with the concurrence of the President of the municipality under whom he is now employed, be induced to accept service in the Public Works Department, when his practical knowledge of brick-making at Ootacamund could be utilised.

3. The 6 horse-power engine at the Lawrence Asylum should be at once obtained, and used to the best advantage. Seeing that it is proposed to work the machine by means of *two* horses, it is not understood why a 6 horse-power engine should be considered inadequate. Further information on this point seems necessary. It should also be reported whether water-power cannot be utilised.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, IV Circle.
„ General Superintendent, Public Works Stores.

Exd. E. Fernandez.
Spare Copies

GENERAL.
ACCOUNT.

GOVERNMENT MADRAS.

Public Works Department,

Ootacamund,

6- 5 1884

My dear Bowen.

I have just received your note re Annamalai buildings - with enclosure from Vibart, — and I am sending in this my reply to him - Pray to save me the trouble / re-writing the substance to you. Please close. 2 stamps - & p[ay] it at once - after perusal I have wired to him to [illegible]

**Brick-making Operations at Ootacamund**

*Passing orders regarding the —*

S. A. W.

Please write & ask Francis if there is available & competent man who could be deputed at once to go and examine ~~deputed~~ the engine & machinery & report thereon. —

an engine at the Kolar gold fields was reported on some time ago by Capt. Baddeley, I think not. Could this be the same?

Ces.

8-5-84

D.W.

Office note to Mr Francis submitted -

Apparently the engine now mentioned is the same as that which Capt. Baddeley was asked to report upon in January last.

It was not then examined, as it was not required for the P. W. workshops.

Cs

10.5.84

No 320C dy 12-2-84
" 267C dy 6-2-84
" 219C dy 30-1-84
" 149D dy 22-1-84
" 43C dy 11-1-84

C. No. 3942

P. W. 1884 DEPARTMENT

C No. 394
4048

From Mr. S. Francis
Sub Engr, P.W.D.

No. 1996
Dated 13-5-84
Recd. do-

SUBJECT.

Reporting that there is no man in the D.P.W. Workshops competent to inspect the machinery in the Kolar Fields.

Disposal.

Re. 923D dy 14th May/84

Mr Francis

Please state at what time you can proceed yourself to the Kolar Fields to inspect the Machinery. Mr Gra

Asst 13/5

9273 dated 15th May/84

Mr. Francis

You can proceed at once to the Kolar Gold Fields, taking with you a masiry & fitter as proposed.

With reference to the 8 H.P. Engine you are to consider most carefully what would be a proper price to offer for it, remembering that Govt will have to undergo the cost & risk of haulage over seven miles of the road before getting the Engine on to Trucks

No 320 Cal 17-2-81

came in regard to the Steam machinery. The examination must be thorough & the report on all points full & in connection table -

D/ CB.

Please return these papers with your report -

No 927 d/15th May/84

No 211 W dt 15th May 1884

CORDON, WOODROFFE & Co

Madras. 3d May, 1884.

Col. J. Shaw Stewart R.E.,
Public Works Department,
Ootacamund.-

Dear Sir,

We duly received your favor of the 19th ults & must apologise for not earlier replying to it.-

There are for sale at the Colar Gold Mines the property of the Colar Gold Mining Company the following engines.-

1 Portable Engine Complete 8 H.P. by Marshall & Coy. Ltd.
1 Pumping Engine Horizontal 16" diameter Cylinder Condensing by R. Heygood & Coy with Boiler Complete; and
1 Small Pumping Engine double Cylinder 7" diameter with spare parts and hauling gear by Sandycroft Foundry Coy.-

In the list of articles for sale we cannot find any mention of a crane.- There are however:-

1 Hydraulic Jack tested to 4 tons
1 Screw Jack ——— . ——— 6 — . ———

which perhaps might be of use to your Department.- We cannot make you an offer of the above as any tender that we may get, has to be submitted to the liquidators in London.- We would recommend your sending some one to inspect the machinery

Cir 15-5-84 DW

machinery on the spot - The mines are seven miles from Kolar Road Station and six miles from Cameramdrum Station Madras Railway -

Dear Sir,

Yours faithfully

Gordon Woodroffe

Agents for Liquidators

No 182 Edf May 20, 1884
183

No 199 W & J 12 May 1884

Sir

There is one competent man in the D.P.W. workshops who could be disputed for the duties required of him -

L Francis

Rub - Engr

P.W. Shops

12/5/84

Wd part

No 923 D Chelpak

Mr Francis 14th May/84

Please Note at what time you can proceed yourself to the Kolar fields to inspect this machinery - Mr Gray can take charge of the ordinary routine work of the Shops during your absence -

Cl

15-5-84 DW

Cy

No 211 W & J 15th May 1884

Sir

I beg to state that I will start for Colar Gold mines by tomorrow evenings mail train - Orders solicited to take one moulding & fitter to examine the Boiler Engine and beams & the other machinery -

L Francis

Rub - Engr

P.W. Workshops

927 D. 15th May/84

P. W. Dept.

Francis

No. 311 43217

You can proceed at once to the Kolar Gold Fields, taking with you a ministry tent as proposed.

With reference to the 8 Hrse-Power Engine you are to consider & report carefully what would be a proper price to offer for it, remembering that you will have to undergo the cost & risks of haulage upon over 7 miles of road upon getting the engine on to trucks.

Same in regard of the other machinery. The examination must & transport & the report — all points full & incontestible.

CJ.
15-5-84

Dw

Please return these papers with your report.

No. 904 W

P. W. Dept.

GOVT. OF MADRAS. 188

SECRETARY.

Chepauk, 12th May 1884.

OFFICE NOTE.

To

Mr. Francis

P. W. Workshops

Please report soon whether there is available at the Workshops, a competent man who could be deputed at once to go to Kolar, and examine the engine & machinery referred to in the accy. letter, & Report thereon.

CJ.

Dw

12-5-84

Dw
for order
CJ

PRESIDENCY PUBLIC WORKS WORKSHOPS,

Madras, 21st May 1884.

No. 1 W.

From

THE ~~GENERAL SUPERINTENDENT,~~ Sub Engineer

PUBLIC WORKS WORKSHOPS,

To

THE Deputy Chief Engineer

D.P.W.

Madras

SIR,

Enclosures. 4
3 original Papers
1 Report
4

With reference to your office Note No. 927 D, dated 15th May 1884, directing me to proceed to the Kolar Gold Fields, examine and report on the Machinery there, I beg to submit the accompanying report.

The papers received, are herewith returned.

I have the honor to be
Sir,
Your most obedt Servant

Francis Sub Engineer
P.W.D

No 143 C. dated 11-1-84
" 1492. " 22-1-84
" 219 C. " 30-1-84
" 267 C. " 6-2-84
" 320 C. " 12-2-84
" 904 D. " 12-5-84
" 923 D. " 16-5-84
" 927 D. " 15-5-84

[illegible] Engineer
[illegible] Circles whom I ordered
to the Colar Gold Mines for the
purpose, submits a report on
the machinery for sale.

The Portable 8 H.P. Engine he
values at Rs. 800. You will observe
he was unable to test the boiler
by steam, as certain parts were
missing. The Engine has only been
3 years in use, and all parts are
said to be in fair order.

It is therefore likely to suit
for the Kolar fields at work.

The only other article worth
purchasing is the Circular Saw-
bench, valued at Rs. 80.

Messrs Gordon & Woodroffe state
that any tenders they may get
will have to be submitted to the
Liquidators in London. I think
the above offer (Rs 800 for the Engine
& Rs. 80 for the Saw-bench) might be
made. Even if Co: thereby will not
take the Engine, or if he cannot
wait so long for it, as an answer
to find use for it before long.)

C.S.
23-5-84

Approved -
[illegible]
26-5-84

Offer can be made, as

Presidency P. W. Workshop 799
P. W. C. No. P. W.
DEPT.

From Sub Engineer

THE ~~GENERAL SUPERINTENDENT~~,
P. W. WORKSHOPS,
Madras,

To (41)

THE Dy Chief Engineer
MSD
Madras

No. ✓

Dated 21
Despd. 21 } May 1884.
Reed. 21 84

ENCLOSURES. 4

*Subject.*

Nos 182/183 Ed/May, 26, 1884

No 182 E d/ May, 26, 1884. P. W. Department,

To,

Messrs Gordon, Woodroffe & Co.

Madras.

Sirs,

Adverting to your letter of the 3rd May regarding the machinery for sale at the Colar Gold Mines, I have the honour to inform you that I am prepared, on behalf of Govt., to offer a sum of Rs 800/- * for the Portable 8 H.P. Engine, and Rs 80 ✕ for the circular saw bench, both of which have been examined by the Foreman of the Madras P.W. Workshops.

* Rupees Eight hundred.

✕ Rupees Eighty.

I shall be glad to be favoured with an answer to this tender as soon as practicable.

Despatched May 26/84. E.W.

No. 183 Ed/ May 26, 1884

Copy of the above, with the Foreman's Report in original, forwarded to the Supty Engineer IV Circle for information, and with request that it may be reported whether the 8 H.P. Engine is considered suitable for the Lake Buckfield works at

* to be returned

Dotacammd.

W.
26.5.84

E.W.

S.E. IV Circle with one orig Enclosure to be returned

Despatched May 26, 1884

E.W.

Er Ed.

Inspection Report of the various Machinery at the Kolar Gold Mines on the 17th May 1884

| Names of Machinery | Present Value | Remarks (Excluding the necessary parts if present) |
|---|---|---|
| 1 Portable horizontal 8 HP. Boiler and Engine by "Marshall & Sons," with the latest improvements<br><br>English Price of 8 HP. Portable Boiler & Engine = Rs 3000-- | Rs a p.<br>800 " " | This Engine & Boiler has been in use about 3 years. all parts are in fair order the glands require packing and all the Cocks and Safety Valves, grinding & General cleaning throughout. The undermentioned articles are missing:- 1 Steam Gauge. 1 Spring Balance for safety valve. 1 Whistle. 2 Prof Cocks. 3 Plugs for glass Water Gauge (2 waste water Cocks & gear, complete for Cylinder) 9 oil cup covers. 1 Lubricator for Cylinder, will cost about Rs 100 to clean, fit all parts and try the Boiler and Engine. This includes labor and material. The Boiler and Engine would have been tested by steam, if the missing parts were on. The watchman states that the missing articles are in Store. I do not know if the missing parts are in store The missing parts will cost about Rs 100 to replace.- |
| 2<br>1 Pumping Engine Horizontal 16" Diam^r Cylinder, condensing with Cornish Boiler 24' x 6' and Iron Chimney 50' x 3'<br><br>English cost about Rs 7000-- | 3000 " " | In very good order. Intended only for Mining purposes. The Engine, Boiler Chimney & Pumping Gear, cover a space about 100 feet long by 40 broad, & will weigh about 17 Tons, & require very strong masonry for foundation. The Boiler and Engine is about 28 Horse Power |
| 3.<br>1 Pumping Engine double Cylinder 7" Diam^r with Vertical Boiler 10 HP. & Donkey Engine complete | 800 " " | This Pumping Engine has been much used. The Boiler at the bottom on the Donkey Engine side is leaky, as the part has been cemented by rust joint cement, & a piece of zinc sheet tied over the part by wire rope to prevent the steam from injuring the workmen. The Boiler, Engine, & spur Gear will weigh about 6 Tons. Donkey Engine is very rickety |
| 4.<br>1 Circular Saw Bench - small Size<br>English cost Rs 150-- | 80 " " | In good order - of the latest style - very handy, as the Saw, can be raised or depressed at will - well suited for Workshop use. |
| 5<br>Crane and Hydraulic Jacks- | | I saw part of Cranes lying about, but the watchman could give me no information, nor did I see the Hydraulic Jacks noted in Messrs Gordon Woodroffe's letter. The man in charge was absent, and I was told that he was prosecuting a case of theft in the Kolar Court. |

Note This Mine is, about 12 miles from Kolar Station not 7 as stated in Messrs Gordon Woodroffe's letter. The road to it is very rough, and will cost much to remove heavy Machinery, as the road is up and down hill.

Madras
21st May 1884

A. Francis
Sub Engineer I. M. D.

I have the honor to be,
Sir,
Your most obed't. servant.

L. Beatty Bvt. Lt. Col. R.E.
Sup'g. Engineer, 4th circle.

Invoice. dated 11-1-84
" 1149 D " 22-1-84
" 219 C. " 30-1-84
" 26 C. " 6-2-84
" 320 C. " 12-2-84
" 904 D. " 12-5-84
" 927 D. " 18-5-84
" 1824 & 1832 " 26-5-84

P. W. C. No 4793

From

The Supt Engineer,
Fourth Circle.

RECEIVED MAIL TO GOVERNMENT
2 JUN 84
MADRAS

To

The Chief Engineer,
P. W. Departt.

No 267 Ed/ June 13, 1884

Dated 30th ult. } May 1884.
Despd: 31st " }
Rect: 2nd June 84

No 271 C
EW.
Enc: 1

Engine:—

Informs that the 8 Horse Power — should be just powerful enough for the required purpose, and is therefore suitable.

Answer to Mad 182 & 26 May 84 W. 2-6-84

P.W.S. 87/5.
Recommended No. 11-6-84

CORDON WOODROFFE & Co

Madras, 4th June, 1884.

Colonel J. Shaw Stewart R.E.
Public Works Department,
Ootacamund.

Sir

With reference to your letter of the 26th May with offers for certain Machinery belonging to the Colar Gold Mining Co and in reply we have the honor to state that we cannot accept but for the S. H. P. Portable Steam Engine thereon Rupees 1,200/- We wrote to the Liquidators on 16th April last with our offer from another party for the same Engine and the answer we have received is that it can be sold at the price above stated.- We cannot bind ourselves by this offer for the Circular Saw bench with [illegible] and fast & loose pulley and 30 in. Circular Saw with fast and loose pulley and lever for shifting Band on and off fast to loose Pulley we will take Rs. 150/- If one extra Circular Saw 36" dia be included the price will be Rs. 30/- extra.-

Delivery of the above to be taken at the Mines are:- We have an offer for the Circular Saws by themselves and we cannot therefore bind ourselves for these until we get your reply.-

We have the honor to be,
Sir,
Your obedient Servants
Gordon Woodroffe & Co
Agents for Liquidators

accepted, without the delay entailed by a reference to England.- Colar Gold Mines,- provided that the offer be at once accepted, without the delay entailed by a

In 143 C. dated 11-1-84
" 149 D " 22-1-84
"

P. W. C. No 4793

P. W. C No 4794
Rec'd 9 June 84

No 43 d/ 1.1.84
" 149 D d/ 22.1.84
" 219 C d/ 30.1.84
" 267 C d/ 6.2.84
" 320 C d/ 12.2.84
" 904 D d/ 12.5.84
" 923 D d/ 14.5.84
927 D d/ 15.5.84
182.3 Ed/ 26.5.84

2/ No 267 Ed/ June, 13, 1884 P. W. Dept

To,

Messrs. Gordon Woodroffe & Co.

Sirs,

I have the honour to acknowledge the receipt of your letter of the 4th June 1884, and to inform you in reply that I am prepared, on behalf of Government, to offer Rs 1,200/- (the sum named by you) for the 8 H.P. portable steam engine at the Colar Gold Mines, provided that the offer be at once accepted, without the delay entailed by a

* Rupees One thousand two hundred.

To D.W. In favour Remarks. W.W. 6-6-84

No 267 Ed/ June 13 1884

Copies given

Private Paper

Ans-th
6 Jun 182
26 May 84

1/2

O.S. 87/5.
Remembrancer No. 11-6-84

reference to England.

I cannot ~~depend to~~ recommend the purchase of ~~the~~ the Circular Saw bench at the price fixed in your letter.

W.
13-6-84
EW

Despatched to
Madras. June 13/84

No 267 Ed/ June, 13, 1884

A.W.

[illegible] a certified copy
[illegible] of the delivery order
[illegible] Gordon & Woodroffe of 16th
[illegible].—
[illegible] copy also go to Mr Francis who
[illegible] report at once what treatment
[illegible] can send to the Clan
[illegible] Mr Innes to take over the
[illegible] & get it down to Madras.—
[illegible] he has done so then he
[illegible] to do the needful, he
[illegible] to himself & make all the
[illegible] arrangements.—
This done, we can take up the
matter of the Circular Saw bench.

CJ
20-6-84

Mdu 7/82

[illegible]
18 JUN 84
PUBLIC WORKS DEPARTMENT MADRAS

No 1119 D dt 20-6-84
Letter to Sy
No 1

To D.W.

Who will be so good as to make arrangements for payment - and for despatch of trustworthy man to take charge of engine & bring it to Madras Thopo.

D.W. will also be so good as to reply to the last para of Messrs G. & W.'s letter. direct.

WS 7576.

WW
15-6-84

No 267 E dy 13-6-84
" 182/183 E dy 26-5-84
" 927 D dy 15-5-84
" 923 D dy 14-5-84
" 904 D dy 12-5-84
" 320 C dy 12-2-84
" 267 C dy 6-2-84
" 219 C dy 30-1-84
" 149 D dy 22-1-84
" 43 C dy 11-1-84

Dispatch

No 1119 D dy 20th June/84

Office-Note

To Mr Francis
D W Workshops.

Write reference to the enclosed copy of an order from Messrs Gordon Woodroffe & Co, please report at once what trustworthy persons can be sent to the Colar mines to take over the 8 H.P. Engine which you recently examined and to bring it to Madras.

Unless you have some one you can rely upon to do the needful, you must go yourself and make all the necessary arrangements

Init'd CB
DW

Dispatcher 20-6-84.

Mr. F. Freke.
Colar Gold Mines.

Dear Sir,

Please deliver to Colr J. Lawrence Stewart R.E. P.W. Department, the 8 H.P. portable steam engine belonging to the Company complete with appurtenances for converting same into semi-fixed engine consisting of one wrought iron cistern to support smoke box end and one cast iron ashpan for fire box end.

We are &c.

(Signed) Gordon Woodroffe & Co
Agents for Liquidators

Madras
16th June/84

No 1119 Dy 20-6-84
" 267 E dy 13-6-84
" 182/183 E dy 26-5-84
" 927 Dy 15-5-84
" 923 Dy 14-5-84
" 904 Dy 12-5-84
" 320 Cy 12-2-84
" 267 Cy 6-2-84
" 219 Cy 30-1-84
" 169 Dy 22-1-84
" 43 Cy 11-1-84

---

No 1123 Dy 21-6-84

P W Deptt.

No 1123 Dy 21st June/84

To

F Trell Esqr
Manager
Colar Gold Mines

Sir In enclosing an order on you from Messrs Gordon Woodroffe & Co, for the delivery of the 8 Horse Power portable Steam Engine now on the Mines, I have to state that Mr Chakravarti Aundy appah Achari, of the Madras Public Works Workshops, has been commissioned to take over the Engine on behalf of the Public Works Department, and to see to its conveyance to Madras.

A certified copy of Messrs Gordon, Woodroffe's order has been handed to the

the Maistry, and I trust
You will afford him every
assistance in putting the
parts together and getting
the engine to the Railway
Station.

I have the
honour to be
Sir
Your obt Servt
D. W.

Dated 21-6-84.

No. 1123 Dd 21-6-84

for yourself, and
make all the necessary
arrangements.

C. Moore

D.W.

20.6-84

No 373 Dated 23rd June/84

Sir

I beg to state with
that I have dispatched
to Colar station This
day all the appliances necessary for
removing the S.W.R.
Engine to Colar road
station. Ammedy Appa
Maistry has been in-
structed to take over
from Mr. F. Peck The
S.W.R. Engine Complete
together with all the
spare fearing Con-
nected with the same
when the Engine ar-
rives at the Colar
road station I will
personally attend to
the loading of the Engine
and its ~~Compound~~
dispatch

Yours obt Servt
D. Francis
Asst Engr.
P.W.D. Shops
23/6/84

Dd 24/6
2 Encs.

Letter passed.

Yes — as soon as the Engine has been completed & tendered, cleared up &c. — Estimate will be required for formal sanction, but need not delay the letter till we have that & all is right — CS.

24.6

No. 1119 D. 1530 6-84

GOVT. OF MADRAS. } 188 } P. W. DEPT.

Rect 5327

SECRETARY.

Chepâk, 20th June 1884.

Rec'd 24

OFFICE NOTE.

To No. 11470 Dated 25-6-84

Mr Francis

P.W. Workshops.

With reference to the enclosed copy of an order from Messrs Gordon Woodroffe & Co., please report at once what trustworthy persons can be sent to the Colar Mines to take over the 8 H.P. Engine which you recently examined, & to bring it to Madras.

Unless you have some one you can rely upon to do the need ful, you must-

Public Works Dept

No. 11470 25th June 84

To

Messrs Gordon Woodroffe & Co.

Madras.

Gentlemen,

Adverting to the second paragraph of your letter to Colonel J Shaw-Stewart RE, dated 16th June 1884, I am directed to state that Rs 80 (eighty) is the maximum price which can be offered on behalf of Government for the Circular Saw Bench complete.

2. Arrangements to have been made for taking delivery of the 8 HP Engine on the Colar mines

I have &c

(sd) C B

D.W.

25/6/84

No 1123 Day 24-6-84
" 1119 Day 20-6-84
" 267 Cay 13-6-84
" 182/183 Cay 26-5-84
" 927 Day 15-5-84
" 923 Day 16-5-84
" 904 Day 12-5-84
" 320 Cay 12-2-84
" 267 Cay 6-2-84
" 219 Cay 30-1-84
" 149 Day 22-1-84
" 43 Cay 11-1-84

---

F.C.

1245/1246 C. 9-7-84.

No 1147 Day 25-6-84

---

5296

5/5

P.W.D.

No 1245 C dy 9th July 84

Memo.

The bill of Rs 1200 submitted by Messrs Gordon Woodroffe & Co. for a 8 H.P. portable steam engine, purchased by Govt from the Colar Gold mines, will be forwarded to the P.W. Stores for immediate payment.

2. The steam engine, after being put into thorough repair at the Workshops, will be issued to the Nilgiri Division.

Ce CM. 9.7.84

Gen Supdt No 5 with bill.

Copy to the S.E. III circle with reference to his letter No 271 C/3W of 30.5.84

P.W.D.

No. 1246C dy 9th July/84

To Messrs Gordon Woodroffe & Co

Gentlemen,

I have the honor to acknowledge the receipt of your letter of the 3rd July/1884, & to state that the Supt of Pw Stores Madras has been instructed to at once discharge the amount of the bill of Rs 1200 for the 8 H.P. portable steam engine purchased by Govt.

2. As regards the circular saw bench complete with one circular saw. I have to state that I am

No 1245
" 1246 dy 9-7-84

unable now to dispute
proceed to
anyone to the Goldmines
to take delivery, but if
you will arrange to have
it delivered in Madras,
it will be purchased
on acct. of Govt. at the
price named. Rs 80, plus
the cost of carriage to
Madras.

P.C.
1332C. CH.
28-7-84. 9.7.84

Rs 1167 Day 25-6-84
" 1123 Day 21-6-84
" 1119 Day 20-6-84
" 267 Cay 13-6-84
" 182/183 Cay 28-5-84
" 927 Day 15-5-84
" 923 Day 14-5-84
" 904 Day 12-5-84
" 320 Cay 12-2-84
" 267 Cay 6-2-84
" 219 Cay 30-1-84
" 149 Day 22-1-84
" 43 Cay 11-1-84

Delivd
9/7/84

CH

Rs 1245/1246 Cay 9-7-84

Madras 2nd Augt/84

To
The Collector to Govt Prod
Madras.

Sir

With refce to our letter to you of the 22nd ultimo we have the honor to state that the Sandal wood &c has now arrived at the Salt Cottahs Station Madras Rly - Receipt for which we hand you herewith - You will observe from the endorsement thereon that they have to be removed immediately -

We should have taken delivery of the articles ourselves & forwarded them to any destination you might have indicated, but we quite believe you will be able to arrange for transport from the Station fully as cheaply as we could -

You will observe that there are Rly charges Rs 7-1 to pay

We shall send you Bill for the foregoing & expenses incurred later on -

I have.
&c &c

P.W.C No 6631

Z.C.

1281 C. 5-8-84.

No 1367 C of 2d August/84.

Forwarded to the General Superintendent P. W. Stores in Continuation of No 1332 C dated 28-7-84 in view to the machine being at once cleared

Lt Col C Bowen Major R.E.
Dy Chief Engr P.W.D.

DC
2/8

Dr S.

The telegram from W received this morning was in the Post bag.

It is about the engine recently purchased from the Colar Gold Mines.

Jam having the boilers put up & will send up the file immediately

CS
22/8/84

Yes - telegram may be destroyed as useless saying that the boiler will be despatched next week

CS
22/8

No 249 C. 30-6-84
" 267 C. 6-7-84
" 320 C. 12-7-84
" 904 D. 12-5-84
" 923 D. 14-5-84
" 927 D. 15-5-84
" 182/1838 E. 26-5-84
" 2678. 13-6-84
" 1119 D. 20-6-84
" 1123 D. 21-6-84
" 1147 D. 25-6-84
1245
1246 C. 9-7-84

Z.C.

1367 C. 2-8-84.

Dr 6102

Issue Copy

No 1332 Cy 28 July/84

Copy forwarded to the Genl Supdt, P.W. Stores, Workshops, with reference to Memo No 1245 Cy 9th July 1884.

2. On receipt of the Circular Said hereby the Genl Supdt will disburse the sum of Rs 80/- for it to Messrs Gordon Woodroffe & Co & retain the Machine for use in the Workshops.

CS
28.7.84

CS
26-7-84

P.W.S. 115/ Dr 2/8/84 d 29/7

Genl Supdt, P.W.S.
28/7/84

C-24-7-84 R. 28-7-84

| Sent to | L. M. |
|---|---|
| Ac Hrs. | Mts, Br |

Telegraphic Memo

3-84

CB
DW

RATES OF CHARGE FOR INLAND TELEGRAMS.

The address (excluding name of sender, and name and residence of addressee) is transmitted free.

| | First 8 words. | Each additional word. | |
|---|---|---|---|
| Deferred Message ... ... | 8 Annas ... | ... 1 Anna. | A group of 3, or less figures, is reckoned as one word. |
| Ordinary ... ... | 1 Rupee ... | ... 2 Annas. | |
| Urgent ... ... | 2 Rupees ... | ... 4 Annas | |

No charge for delivery within a distance of 5 miles.

No. 1499 D. of 23-8-84.

Wrgrdl

No. 1499 Dd/23-8-84

Telegram

To W

Colaccamund

Colar engine will be despatched next week to Colaccamund.

D. S. of. 22/8/84

CJ.
22.8.84

No. 1499 D a/ 23rd August/84

Copies of Telegrams from & to W forwarded to the Superintendent W. Mines for information & guidance - /sd/ CB DW

Report to accompany the Estimate for purchase of a Portable steam Engine for Brick manufacture at Cottesmore

Reference

Supdg Engineer's No 4.57 R. I dated 20th April 1883.

Report

The Engine is offered for sale by Messrs Yates and Co and it is now at Balcut It was inspected and tried under steam on the 27th ultimo and seems in every way suitable. It is stated to be of 10 H.P. but more probably is only 8. H.P. which will however be sufficient for the intended purpose of driving the tugging and brick making machine

The smoke box is a good deal worn and to provide for this and other possible repairs a sum of Rs 250 has been included

Estimate

| | |
|---|---|
| Portable Engine | 1391 |
| Brick making machine | 1387 |
| Tugging machine | 1332 |
| Smoke box | 1245 |
| Repairs | 1246 |
| Contingencies | 1147 |
| Carriage | 1123 |
| Freight | 1119 |
| Erection | 267 |
| Establishment | 182-187 |
| Total | 927 |
| Deduct Value of old Engine | 923 |
| Net Cost | 904 |
| Add Freight | 320 |
| Erection | 267 |
| Establishment | 39 |
| Total | 149 |
| Deduct Value of old Engine | 43 |

Rs 14 99 Engs 23-8

Copy

537

Report on the proposed purchase of a portable steam engine for brick manufacture at Cottesmore

Rs 4461 8 0 Engineering Establishments

Rs 4461 8 0/23

Rs 14 8 0 Engineering Establishments

**ESTIMATE FORM.—Detail Measurements.**

| Detail of Work. | Number. | Measurements in Feet. Length. | Breadth. | Depth. | Area or Contents. | Total Quantity of each description of Work. |
|---|---|---|---|---|---|---|
| Portable steam Engine | – | – | – | – | – | 1 |
| Conveying — do — to Colaba ground | | | | | | |
| Petty repairs to — do — | | | | | | |

[P. W. D. Code, Paras. 1074 and 1075.]

P. W. D. Form No. M 204.

## ESTIMATE FORM.—Detail Measurements.

| Detail of Work. | Number. | Measurements in Feet. Length. | Breadth. | Depth. | Area or Contents. | Total Quantity of each description of Work. |
|---|---|---|---|---|---|---|
| | | | | | | S W Pu 2 8593/63 |

## ESTIMATE FORM.—Abstract.

| Quantity. | Description of Work. | Rate. | Per. | Amount. | Total. |
|---|---|---|---|---|---|
| | | Rs. | | Rs. | Rs. |
| 1 | Portable Steam Engine (hire) | " | " | 1500 | |
| | Conveying — do — to Cotacamund | | | 250 | |
| | Petty Repairs to Engine | | | 250 | |

Grand Total of Estimate... 2,000

Station Cotacamund

Dated 1st October 1883

F. Beatty Colonel RE
Supg Engineer 4th Circle

Executive Engineer.
Nilgiri Division

## NOTES.

REFERENCE TO MADRAS, P. W. D. CODE.

CHAPTER VII.—Paras. 966, 968, 968A, 978, 979, 983 to 986, 997, 1000 to 1003, 1071 to 1073.

(1.)—ABSTRACTS of Estimates should be prepared under such sub-heads as are to be separately shown in the Accounts ( Register of works, workvouchers, &c.) of the work. For repairs of buildings and roads, the classification of the Budget Estimate should be strictly followed, one estimate only being framed for each Budget entry, and if a further estimate is required, it should be supplemental to the first; by this means, as the Work Abstracts follow the estimates, the Register of Work the Schedule of expenditure, the Books of the Central Office will show by one entry the entire outlay on repairs to each work for the whole year, which is not the case when several estimates are sanctioned for the repairs of one work in the course of the year.

(2.)—All rates are to be given in Rupees decimally divided to two places.

(3.)—Quantities are to be entered as so many units; thus the unit for brick-work being 100 cubic feet; 9250 cubic feet of brick-work-would be entered as 92·5 units.

(4.)—In the duplicate copies of Abstracts intended for the Examiner, the following information should be filled in by the Executive Engineer:—

Probable duration of execution of works — Months

Probable number of work vouchers that will be required.

SUPG: ENGINEER'S OFFICE No. -2 OCT. 83 P. W. D. FOURTH CIRCLE

P. W. D. Madras, Form No. M. 77d.

## ESTIMATE FORM.—ABSTRACT.

CIRCLE.

DIVISION—

TALUQ— Erc: 2/421/83 SIII

**Abstract estimate for*** Purchasing a portable Steam Engine for Brick manufacture at Cotacamund

* Here enter the name and description of work in full.

No. 38 of 1883-84

SUPG: ENGINEER'S OFFICE No. 625 -2 OCT. 83 P. W. D. FOURTH CIRCLE E/

Financial Head— Provincial

Budget Head—

Departmental Head— New supply

Main Head— Tools and plant (Machinery)

Sub-Head—

Project of which the work forms part—

Section—

**Name of work**— Purchasing one Portable Steam Engine for Brick manufacture at Cotacamund.

Amount of Estimate— Rs 2000

To be carried out by— P. W. D.

REFERENCES.

Reference to Madras, P. W. D. Code,

Chapter VII—Paras. 968 and 968 A.

P. W. D. Madras,
Form No. M 77.

**ESTIMATE FORM**—Wrapper or Outer Sheet.

14th Circle

Division— Nilgiri

Taluq—

Estimate for* Purchasing one Portable Steam Engine for Brick Manufacture at Cotacammund

Amount of Estimate Rs. 2000

Detailed Estimate No 38 of 1883-84

*Here enter name and description of work in full

Estimate No. 38 of 1883-84

~~Fund~~ Financial Head— Provincial

Budget Head—

Departmental Head— New supply— Tools & Plant

Main Head— Special Plant & Machinery

Sub-Head—

Project of which the work forms part—

Section—

Name of Work— Purchasing one Portable Steam Engine for Brick Manufacture at Cotacammund.

Amount of Estimate— 2,000.

To be carried out by— P. W. D.

REFERENCES.

Reference to Madras P. W. D. Code.

Paras. 1074 to 1076.

P. W. D. Form.
No. M 203.

Circle.

Division—

Taluk—

## ESTIMATE FORM—Wrapper or Outer-sheet.

Estimate for *

Amount of Estimate, Rs.

Detailed Estimate, No. of 188 -8 .

* Here enter name and description of work in full.

## ESTIMATE FORM.—Abstract.

| Quantity. | Description of Work. | Rate. | Per. | Amount. | Total. |
|---|---|---|---|---|---|
| | | Rs. | | Rs. | Rs. |
| 1 | Portable Steam Engine | " | " | 1500 | |
| | Conveying — do — to Colacamund | | | 250 | |
| | Petty Repairs to Engine | | | 250 | |
| | Grand Total of Estimate.. | | | | 2,000 |

Colacamund
1st " October 1883.

L Beatty Colonel RE
Supg Engr 4th Circle

Executive Engineer.
Nilgiri Division

## NOTES.

REFERENCE TO MADRAS, P. W. D. CODE.

CHAPTER VII.—Paras. 966, 968, 968A, 978, 979, 983 to 986, 997, 1000 to 1003, 1071 to 1073.

(1.)—ABSTRACTS of Estimates should be prepared under such sub-heads as are to be separately shown in the Accounts (Register of works, workvouchers, &c.) of the work. For repairs of buildings and roads, the classification of the Budget Estimate should be strictly followed, one estimate only being framed for each Budget entry, and if a further estimate is required, it should be supplemental to the first; by this means, as the Work Abstracts follow the estimates, the Register of Work the Schedule of expenditure, the Books of the Central Office will show by one entry the entire outlay on repairs to each work for the whole year, which is not the case when several estimates are sanctioned for the repairs of one work in the course of the year.

(2.)—All rates are to be given in Rupees decimally divided to two places.

(3.)—Quantities are to be entered as so many units; thus the unit for brick-work being 100 cubic feet; 9250 cubic feet of brick-work would be entered as 92·5 units.

(4.)—In the duplicate copies of Abstracts intended for the Examiner, the following information should be filled in by the Executive Engineer,—

| | |
|---|---|
| Probable duration of execution of works | Months |
| Probable number of work vouchers that will be required. | |

SUPDT. ENGINEER'S OFFICE KU. 2 OCT. 83 P. W. D. FOURTH CIRCLE

P. W. D. Madras, Form No. M 77d.

**ESTIMATE FORM.**—ABSTRACT.

4th CIRCLE.

DIVISION

TALUQ Nilgiri

Abstract estimate for* purchasing a Portable Steam Engine for Brick manufacture at Ootacamund

Enc: 1/421/83 S.E. IV

* Enter the name and description of work in full.

No. 421

Supg: Engineer's office IV circle
Coimbatore, 3rd October 1883.

From,

The Superintending Engineer
IV Circle

To,

The Chief Engineer
P. W. Department

Sir,

In continuation of my letter No: 412 of 1st instant, I have the honor to forward herewith for your information an estimate just received from the Executive Engineer Nilgiris, for purchasing the Steam Engine for the Brick manufacture at Ootacamund.

2 The Executive Engineer considers it necessary to add Rs 500 for conveyance to Ootacamund and petty repairs.

I have the honor to be
Sir,
Your Most Obt servt

L. Beatty - Colonel R.A.
Supg: Engineer IV circle

+ C.No 8476-Outy 4-10-83.

Enclosures 3.
1 Estimate of Rs 2000 with a report.
1 Duplicate abstract estimate

M. Ch. No. 8543

From

The Supg. Engineer,
Fourth Circle.

No. 1863 Cy 17-11-84

Dated 3d
Dispd. 5th } October 1883.
Rec'd 5

No: 421

Enc: 3.

Steam Engine:—

Forwarding an Estimate of Rs: 2,000 for purchasing the — for the Brick manufacture at Cotacamund.

Ans. with Memo No 4418 of 11th Oct. 84

(2)

No. 363

Executive Engineer's office
Cotacamund 3rd October 1884.

From

The Executive Engr.
Nilgiri Division

To

The Superintending Engr.
4th Circle

Sir,

With reference to the Estimate of Rs: 2000 for a portable steam Engine sub-mitted for sanction on the 1st October 1883, I have the honor to report that the engine has been received and the cost of it including carriage charges adjusted in the accounts for the month of September 84. As the Estimate has not yet been formally sanctioned

beg.

by Government and registered in your return of sanctioned Estimates I have the honor to request that steps may now be taken for this being done, as well as for an appropriation of funds being made under Tools and Plant Provincial to cover the charge during the current official year.

I have the honor to be
Sir
Your most obt Servt

A Smith Major R.E.
Executive Engineer

No 498

Supg Engineer's Office 4th Circle
Camp Rampett 12th November 84

From

The Superintending Engineer
IV Circle

To.

The Chief Engineer
P.W. Department

Sir,

Enclosures 1

I have the honor to forward for your information, the letter in original from the Executive Engineer Nilgiri Division No 363 of 25th ultimo, regarding the Steam Engine for the Lake Brickfield and to request you will be so good as to obtain formal sanction to the Estimate of Rs 2000 forwarded with this office letter No 421 of 3rd October 1883.

his estimate would serve for current year's Tools Cr

I have the honor to be
Sir
Your most obedt Servant.

L. Beatty Colonel RE
Superintending Engineer 4th Circle

From

The Supt: Engr:
Fourth Circle

No 1863 Capt 11-11-84

Dated 10th
Deceipt: 11th } Nov: 1884.

No 498
2/M.

Enc: 1

Steam Engine for
Lake Brick Field:—

Requesting to
obtain formal sanc=
=tion to the estimate
of Rs: 2,000 for purchas=
=ing a ——.

S.A.W.

No 1863 Capt 11 November 1st 1884.

Memorandum

Letter from the Supt Engr IV Circle No: 421 of 3rd Oct 1884
Do do do do No: 498 10th Nov 1884

Adverting to letter
from the Supt Engr
IV Circle No 498 Inv dated
10th November 1884, the
undersigned has the
honour to observe
that the estimate sub
=mitted with the Supt
Engineer's letter No 421
of 3rd October 1884
for the purchase of
an Engine from Dress
& Lance & Co for Rs 1,50
Plus Rs 500, for pipe
and carriage. That
proposal was howe
dropped (vide this Of

No: 441 Ec dated 11th Oct.
1883, and Colonel Keatings
No 11 W dy 8th January
1884; and the engine
eventually supplied
to the Ootacamund
Nilgiri fields was one
purchased from the
Kolar Gold mine for
Rs. 1200, and forwarded
through the General
Superintendent Public
Works Stores.

2. The Supt of Engines
is therefore requested
to submit, for formal
sanction, in com-
munication with
the Govt Superin-
tendent P. W. Stores
if necessary, an
estimate giving
correct details re-
garding the cost and
carriage of the engine
recently received
on the Ootacamund
Nilgiri fields.

Cds.
14.11.84

V.
T.

Ws.
14.11.84

To The S. E., IV Circle,

Cds

No 1499 Day 23-8-84
" 1367 Cay 2-8-84
" 1332 C dy 28-7-84
" 1245/1246 Cay 9-7-84
" 1147 Day 25-6-84
" 1123 Day 21-6-84
" 267 E ay 13-6-84
" 182-183 E ay 26-5-84
" 927 Day 15-5-84
" 923 D ay 14-5-84
" 904 Day 12-5-84
G.O. A 906 Way 2-4-84
No 267 E ay 6-2-84
No 320 C ay 12-2-84
No 47 C ay 11-1-84
" 219 C ay 30-1-84
" 149 D ay 22-1-84
" 43 C ay 11-1-84
" 441 E ay 11-10-83
" 1549 C ay 17-8-83
" 1387 C ay 27-7-83
G.O. A 1791 Way 25-6-83

G.O. B 3053 Way 12-12-84
No 1863 C ay 17-11-84
" 1499 Day 23-8-84
" 1367 C dy 2-8-84
" 1332 C dy 28-7-84
" 1245/1246 C ay 9-7-84
" 1147 Day 25-6-84
" 1123 Day 21-6-84
" 1119 Day 20-6-84
" 267 E ay 13-6-84
" 182-183 E ay 26-5-84
" 927 Day 15-5-84
" 923 Day 14-5-84
" 904 Day 12-5-84
G.O. A 906 Way 2-4-84
No 47 C ay 11-1-84
" 441 E ay 11-10-83
" 1549 C ay 17-8-83
" 1387 C ay 27-7-83
" 320 C ay 12-2-84
" 267 C ay 6-2-84
" 219 C ay 30-1-84
" 149 Day 22-1-84
" 43 C ay 11-1-83

18/11.

No. 318/SW

Superintending Engineer's
Office, 4th Circle 1st December 84

From,

The Superintending Engineer
4th Circle

To,

The Chief Engineer
P.W.D.

Sir,

With reference to your Memo. No. 1863 C of 17th Instant, I have the honor to forward for formal sanction an Estimate Amounting to Rs 1888. for purchasing a Portable Steam Engine 8 Horse power, from the Kolar Gold mining Company for use in the Nilgiri Division.

Enclosure
1 Estimate

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

L. Beatty - Colonel R.E.
Supg. Engineer. 4th Circle.

8/12

No 1499 Da 23-8-84. Rec'd Para 3 Telegram 17-12-84.

From.

The Supg Engineer

Nilgiri Circle.

No 578
Silv.

Dated 1st.
Despd 2d. } Dec 2/84.

3 DEC 84
P.W. DEPARTMENT

Enclosed Estimate -

Portable Steam Engine
78 Horse Power ——

Forwards for formal sanction an Estimate Rs 1888 for purchasing — for Nilgiri Division

1883 C 17/11/84
1499 Da 23/8/84
Copy to Engr
Ref Engr
Ref Engr

No. 2191 D. Dec 10215

GOVT. OF MADRAS. } 1884. { P. W. DEPT.

SECRETARY.

Chepâk, 5th December 1884.

OFFICE NOTE.

Detail attached - Magazine
Information
Ag
11-12-84

From

W

To

The Secretary Govt P.W. Store

The accompanying estimate shows that you have debited the Nilgiri division with Rs 1706-4-- on account of the portable steam engine procured from the Kolar Gold Mines.

Please furnish details for this amount.

The engine was purchased for Rs

Rec'd 8.12

S.W.

7/8/11.

1200/- in Mr Francis' report the cost of the necessary repairs was given as Rs 100.

C.V.
D.W
5-12-84

To.
D. W.

Details of the Cost of the Engine purchased from the Kolar Gold Mines Co. by the Asst. P.W. Workshops

Cost of Engine — Rs 1200-0-0
Workshop bill
Vide Details appended Rs 506-4-0
1706-4-0

Total debited to P. Engg
Offg Comr Asst P.W. Mines

8 Dec 84

I do not understand how the price of this engine has run up to so high a figure as 1565/-.

The sum to be paid to the Kolar Co. was 1200/- and the Asst. P.W. Workshops estimated the cost of repairs &c. at 100/-.

How is the difference accounted for?
Freight charges cannot surely come to 588/-.

W.S.
5.12.84

Freight-Charges are given in the estimate at Rs 181/12. The repairs must have cost Rs 506/4. Cr

Public Works Department, 1884-85.

Current No. 10038
Letter No. 518 E.W.
Dated the 1st December 84
From the S.E. IV Circle

Note of Remarks.

1. This estimate provides for the purchase of a 'Portable Steam Engine' at Rs. 1,888, for use in the Nilgiri Division.
2. The sum Rs. 1,888, includes all charges for carriage, railway fare, &c. The engine is of 8 horse power, and has been purchased from the Kolar Gold Mining Company.

3d Dec 84
BH

C. No. 10038

*P. W. Secretariat.*

**Note by Budget Section.**

Work Purchasing portable steam engine for use in the Nilgiri Div.

Remarks and References.

Fund Provincial

Service Head ... ... ... Tools & Plant.

Departmental Head ... ... ... ... "

Amount of Estimate ... ... ... ... Rs. 1888

Expenditure in previous year ... ... " —

Allotment in current year ... ... ... " —

Balance required to complete ... ... " —

Total Rs... 1888

**Note of available funds.**

The Current years Grant to the Nil Giri Div under Tools & Plant is Rs 3000 against which the above Estimate may be sanctioned. Any Increase of allotment that may be required for that Division under the same head Can be sanctioned on application being made by the S.E.

*Budget Clerk.*

5/12.

Note by Budget Section.

A/13

PUBLIC WORKS DEPARTMENT.

## PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the

READ the following

Letter from the Suptg: Engr:
IV. Circle — No. 518/E.W. dt/1st December/84.

The estimate amount=
=ing to Rs 1888, for the pur=
=chase of a portable
steam engine for the Nilgiris
division, is sanctioned
against the grant to that
division under Tools and
Plant.

2. This sanction has
been registered as Provin=
=cial No. Wog 1884-85,
and classified as Tools and
Plant.

S.E. IV. Circle
in the estimate

Ex: E.W. accts
in the Suptg: Estimate.

CS.
5.12.84

5.12.84

Superseded

Dwd W



PUBLIC WORKS DEPARTMENT.

## PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the

READ the following

From
The Supt of Engines
IV Circle } (Mle No: 578/3W dy 1st Dec 1784)
Offrg Rob Engineer the
Supt Nilgiris } (a a dated 8th Dec 1784)

The estimate for the purchase of a portable steam engine for the Nilgiri Division is sanctioned to the extent of ₹ 1,825.

2. The charge on account of travelling allowance to Asst Engr Wm Francis (₹ 59-13-7) should be debited in the workshop accounts to Establishment, under

section 68 of the Civil Handling allowance Code, and the cost of a telegram (Rs 3-3-5) should be charged to Office Contingencies

3. This sanction has been registered as Provincial No 215 of 1884-85, and classified as Tools and Plant.

11-12-84

12/12

To The S.Co. IV Circle with Estimate
" Ex: Br accounts with duplte Estimate
" S.Co. V Circle with detail of bill
Despd 13-12-84

Ad

Id 15/12 Ex 16/12

No 396 E.W.

Supg Engineer's Office, 4th Circle
Camp Ootacamund, 29th Sep: 85.

From

The Offg: Supg: Engineer,
Fourth Circle.

To

The Chief Engineer,
P.W. Department.

Sir,

Encls: 2
1 Estimate
1 Bill

I have the honor to forward for your sanction a supplemental estimate of Rs: 557 to that sanctioned in G.O. No 3,053 W of 12th December 1884, amounting to Rs: 1825, for the purchase of a Portable Steam Engine for the Nilgiri Division.

2. This Supplemental Estimate is prepared to meet the outlay incurred for the purchase of pulleys, &c., actually found necessary for the Portable Steam Engine, already bought from the Kolar gold mining Co under the above G.O; and early

sanction

sanction is therefore requested.

I have the honor to be,
Sir,
Your most obed't. Servant.

Ros Thompson Col: R.E.,
Offg. Supg. Engineer, 4th Circle