

P.W.C no 6574

his subsidiary leave.

3. With reference to section 79, rule 17, of the Civil Leave Code, a duplicate of the medical report upon the case of Mr. C. M. Smith, Executive Engineer, should also be forwarded to the India office along with the last pay certificate.

Enl.

4. The original of the final last pay certificate has been forwarded to the address of Mr. Smith in England.

huf
37
C.

all
29
4/7
3.

Recd 6:7:88

No. 2045 Wd 6 July 1888
2046

B

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 6 July 1888

READ the following:—

From the Examiner of Public Works Accounts,

No. 1809, dated 5 July 88 submitting
Last Pay Certificate of Mr. C. M. Smith
Enl.

ORDERED to be forwarded to the Home Government.

To

THE UNDER SECRETARY

OF STATE FOR INDIA,

INDIA OFFICE,

London.

SIR,

I AM directed to forward herewith a Last Pay Certificate which has been furnished by the Examiner of Public Works Accounts on account of Mr. C. M. Smith, Executive Eng^r 3rd Grade.

Engineer in the Public Works Department of this Presidency, who has proceeded to Europe on furlough on medical leave. Certificate for one year.

2. A copy of Mr. Smith's medical case is also forwarded herewith.

Wm
6.7.88

with last pay certificate for Medical case in India 7/7

Pr CP 6056
(24)
Public Works (1888) DEPARTMENT.

From *G. Bidie Esqr. M. B., L. I. E.*
THE SURGEON-GENERAL WITH THE

GOVERNMENT OF MADRAS,

Fort St. George,
Potacamund

To

THE SECY. TO GOVERNMENT,
Public Works DEPARTMENT,
Fort St. George.

Dated *20* } *June* 1888.
Recd. *23* }

No.

Forwards case of *Charles Mitford*
Smith Esqr. for transmission to the
Secretary of State for India.

File with (1945436-)
S. G. W. 23-6-88

[C. No. 8.]

GOVT.
OF MADRAS. }

1888.

{ P.W.
DEPT.

EXAMINER, P. W. ACCOUNTS.

Madras, *5* July 1888

OFFICE NOTE No. *1809*

Enc-1

To

W.

KEEP-WITH

Genl. No.

dated

188 .

I beg to forward herewith
for transmission to the Finance
Department of the India Office
the duplicate of the final last pay
certificate of Mr. C. M. Smith, Execu-
tive Engineer 3rd. Grade, who reported
his intention of embarking for
Europe on the 27th. June 1888 per
S. S. "Jumna" on the one year's
furlough on medical certificate
granted to him in P. W. D. Notifica-
tion No. 321, published in Part I
of the Fort Saint George Gazette,
under date 26th. June 1888.

2. In accordance with G. O. No.
1915 W. dated 27th. June 1888, the
furlough granted to Mr. Smith has
been entered in the last pay certi-
ficate as having commenced from
23rd. June 1888, i. e. at the end of

1,000-7-2-88.

204742068
6-7-1888
wanting

No. 07242
MEMORANDUM.



A copy of the medical case of *Charles Mitford Smith Esqr* is herewith forwarded for transmission to the Secretary of State for India, with reference to his letter (Military), No. 18, dated 24th March 1875, printed in the Proceedings of Government, Public Department, No. 520 of 26th April 1875.

Edw. M. B., C. I. E.
Surgeon-General with the
Government of Madras,
Ootacamund

Office of Surgeon-General
with the Government of Madras,
Fort St. George, 20th June 1888.
Ootacamund
20

To
The Secretary to Government,
Public Works Department.



The Chief Engineer
Public Works Department
Madras

Most Honored Sir.

The most humble & respectful
petition of Contractor M. Chokalingam Pillai
of Vairai Bridge Madras District
Respectfully Sheweth.

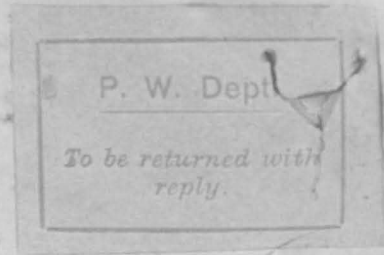
That the Petitioner
has been given the Contract of supplying
Materials namely 250,000 Cubic ft. of rough
Stone at Rs 5-10-0 per Cubic ft. & 75,000 Cubic ft.
Cut stone at 9 1/2 annas per Cubic ft. and
40,000 Paras of Chumam at 6 annas & 9 per. per.
para. This Contract has been given in tenders
& the Contractor has executed the necessary
agreements and deposited a sum of Rs.
3773-7-0 for the due fulfilment of the
Contract. The above work was subseq.
uently handed over to the Public Works
Deptt by the Local Fund & accordingly the
Contractor is executing the Contract
under the Agency of the D.P.W.

No. 2045 Wd 6th July
2046 1888

gn

P.W.C. No 254 ✓

88. 999 h. d. / 87



15.1.87

No 171 of 17th Jan 1887

Referred to the
Supy Engineer VI Circle
for report.

Submitted Colonel R. S.

Ch. Engr. P. W. Dept.
No 570 M. D.

Noted & returned

The matter is fully dealt
with in this office no: 566 h. d.
dated 20th January 1887

20-1-87
230/2227 + Ch. 508
Sd/- [Signature]
Supt. Engrs
V. B. [Signature]

P. 12/7

P.W.C. No 501

Vide Ch. 508

From

Major A. C. Smith R.R.
Suptg Engineer b.b.

To, The Chief Engineer
P.W.D.

202 } January 187
Despd 22 }

No 570 Ind

Recd. Nil

Vide Ch. 508

Returns the petition of
Cmbr Chokalingam Pillai
of Vaigai Bridge works
bearing Chief Engd Smith
No 171 C of 17/1/87 &
states that the matter
is dealt with in this
office letter No 566 Ind
of 202 with the —

SKW

No 566 Ind Suptg Engrs office b.b.

Tuehniopoly 20th January 187
Despd 22nd 187

From,

Major A. C. Smith R.R.

Suptg Engineer b.b.

To,

The Chief Engineer
P.W.D.

Encls 2*

2. Coubaad bonds
entered into
with Chokalingam
Pillai and
Chidambaram Pillai

Sir,

* To be kindly
returned when
no longer reqd.

I have the honor to report
for your information and orders
as follows regarding the
contracts entered into with
certain parties for work at the
Vaigai Bridge.

2. Two bonds have been
executed which I now enclose
viz

1st With one Chokalingam Pillai
for the supply of cut stone &
rough stone.

2nd With one Chidambaram Pillai

for

for the supply of teak and
Vengai wood in scantlings.

3. Firstly with regard to the
form in which these bonds are
drawn up you will observe on
perusing them that they both
name the "Local Fund District
Engineer" as the inspector and
arbitrator in case of bad work
and the question arises - now
the work has been taken over
from the Local Fund Board -
are these contracts valid?

4. I think that to make
them valid, they should either
be altered or renewed with the
title of "the Executive Engineer
in charge" substituted for that
of the Local Fund District
Engineer.

5. Perhaps it would be as well

to obtain the opinion of the
Advocate General on these
points.

6. Secondly I am not well
acquainted with the circum-
stances under which these
contracts were drawn out or how
the rates were arrived at but
the Executive Engineer now in
charge of the work reports with
regard to rough and burnt stone
that he "could get it supplied
for almost $\frac{1}{2}$ the rate if not
"fettered" by this contract" so it
would be most advantageous
if the contracts could be cancelled.
You will observe that the bond
stipulates that the contractor
should supply the whole of the
material of similar character -
namely the rough and cut stone
required for the Bridge and that
he

he shall enter into a fresh bond every year for the supply of the amount required during that year.

7. This yearly agreement expires by the 31st Instant and I have ordered all supply of stone to cease now pending the decision of the above question.

8. I strongly recommend that both these contracts be if possible annulled.

1st Because of the abnormally high rates.

2^{ndly} Because I think we should never be tied down to receive the total quantity of any materials from one man. In matters of supply it is much better to have the contracts —

made

of an

made out in the "Piece work" form, for not only can the executive engineer then employ two or more contractors if he wishes, but he can at once dismiss them if their work is not satisfactory or up to time. If the whole is given to one man he probably sub-lets the work to many others and thus plays the part of middle man and expects high rates, whereas if the executive can deal directly with the petty contractors so much the better.

9. Another faulty point in the stone contract is the proviso, clause 4 of the schedule accompanying it that a deduction of only 10 per cent shall be made for crevices in the stacks of rough stone. Perhaps clause 3

of

of the bond itself, which empowers the "Engineer" to reject all work of "inferior quality or otherwise faulty", may prevent the contractor from taking undue advantage of clause 14 of the schedule but rough stone must be very carefully packed if only 10 per cent is to be deducted for crevices.

10. Another alteration I would make (supposing the contracts are to be revised and are not cancelled as recommended) would be to appoint the executive Engineer in charge as the inspector and general arbitrator as to measurements and rates, but that in case the contractor disputes his ruling on any point, the Superintending Engineer be made

final arbitrator and that his decision be conclusive.

11. In conclusion I request that early orders may be passed on the question of the validity of the existing bonds.

I have the honor to be
Sir

your most obedient servant

Albion Major R.R.
Superintending Engineer B. R. R.

6th Circle

From
The Supp^y Engineer
6th Circle
To The Chief Engineer
P.W.D.

Dated 20th } January 1887
Dec^r 21st }

No 566 Ind

Encls 2

Vaigai bridge work.
Madurai Du -

Forwarded the Contract
bonds entered into with
certain Contractors for
supplying materials for the -
& requests to be informed if
they can be held valid
under the circumstances
explained -

Unregistered -

P.W.C. No 5085

From

Major A. C. Smith R.E.
Suptg Engineer 6th Circle.

To The Chief Engineer
P.W.D.

Desd 20th }
Desd 22 } January 1897
Desd 24 } 87

No. 566 M.D.

Encls. 4

Vide C.O. 501

No. 694 C.O. 28-2-97

Vigai Bridge works Madurai.

Forwards two Contract
Bonds entered into with certain
Contractors for supplying
materials for the — and
requests to be informed if
they can be held valid —
under the circumstances
explained.

AS

OFFICE OF THE SUPERINTENDING ENGINEER,

6TH CIRCLE.

Trichinopoly 4th February 1887.
85/.

No. 606 M.D.

From Major A. C. Smith R.E.
The Superintending Engineer,
6th Circle.

To

The Chief Engineer
P.W.D.

Sir,

ENCLOSURE 1.

Inspection notes.

I have the honor to enclose
herewith the accompanying Inspection
notes on the Vigai Bridge with the request
that you will be good enough to issue
such orders as you may deem necessary
on the points brought to notice therein.

2- I have written this fully
in order to put on record the state of
affairs on commencement of work by
this Department.

I have the honor to be,

Yours most Obedt^{ly} Servt

A. C. Smith Major R.E.
Suptg Engineer 6th Circle

P. W. D. 6TH CIRCLE.

From

The Superintending Engineer,

6th Circle.

To

The Chief Engineer
P. W. D.

No. 606 M.D.

Dated 4th

Received

February 1887

Enclosure. /

No. 464 C of 8-2-87

Kaigai Bridge works:—

Forwards his Ins-
pection notes on the —

Ins. orders

7.2.87

I have made
notes on the letter
for facilities of reference
W. W.
7.2.87

On
W

W

It is quite in front of
the spirit and spirit as to
the points raised in
connection with the
design under the
plan is forwarded—

I had nothing to do
with the design, but it
was then raised at the
instance of Col. Mack
who went through it
all the points raised
and notes filed under
that the plan as finally
submitted was sound—

A judgment was then
made in the matter and
sent to Col.
Mack, with the full
consent of the Chief
Engineer, on account of
the necessary expense
involved in its use—

Whether the notes are
too flat I cannot say in
the absence of information

as to their dimensions,
but in any case it would
be better to lower the
opening 1 1/2 feet -

My report (a L.E.T.)
regarding the contracts
entered into by the Board
does not appear to be among
the papers put up - My
impression is that I have
reviewed some of the
contracts (especially that
with the S.S. Picking) to
be injudicious but that
there is not sufficient
reason for our refusing to
accept them -

Even if it be decided
that we have the legal
right to cancel them
we ought to be cautious in
doing so; it is better to
pay a small sum for work
or materials than to run
the risk of shaking the
credit of either Government or

the District Board -

My report on this point
together with other papers
which have been sent
to the Joint Committee on
a previous reference from the
S.E. (Feb. Dec. to 294
of 20 Jan 1887) and
without that report
and the plan of the
bridge I do not think
we can come to any
definite conclusion -

D
8/2

Write for plan of Bridge
& wait for Solicitor's opinion

John
8/2/87

464008 8th Feb 1887 PWD

Depressed Helium

To S. S. VI Circle

Trichinopoly

Your 606 m D.

fourth instant.

forward auctioned

plans Vaigai bridge.

mev

8.2.87

Am

No. 1710 of 17-1-87

- 2942 - 26-1-87

- 2281W - 10-9-86

- 6462 - 24-9-85

- 31W - 7-1-87
H. H. H. H.

No. 464 of 8-2-87

SS

OFFICE OF THE SUPERINTENDING ENGINEER,

6TH CIRCLE.

Tachinopoly. 7: February 1887.

No. 616. M. V.

W. H.

From Major A. C. Smith P. C.

The Superintending Engineer,

6th Circle.

To

The Chief Engineer

P. W. S.

Sir,

In confirmation of my No. 606 M. V. dated 4: Instant, reporting on the Foundation of the proposed Vaigai Bridge, I have the honor to state that I have since heard from the Executive Engineer that he has excavated two pier foundations to an extra depth of 3 feet and that exactly the same stuff is met with but no rock; the stuff is however so hard before water reaches it that it requires a pick to remove it -

2. There seems every probability that the stratum now struck is of considerable depth -

3. Under these circumstances I think a depth varying from 9 feet

on North end to 11 feet on South end may suffice and I have in accordance with proposals made by Executive Engineer, instructed him to fill in the extra 3 feet with good concrete of broken granite & Surki mortar which — as the sides of the trenches are hard & perpendicular — is to be rammed in, completely filling the trench.

4. Upon this lower foundation the piers will be constructed as per estimate.

5. All the piers will be treated in a similar manner unless rock is met at less depth, when solid masonry must be substituted for concrete, where extra depth is required over & above the estimated quantity.

6. Borings will be carried out as already ordered as soon as the apparatus can be obtained.

7. The sanctioned estimate

must therefore under any circumstances be exceeded but to what extent, cannot be reported until the borings are completed & the varying depths of foundations are ascertained.

I have the honor to be

Sir

Your most obedient servant.

W. Smith Major R.E.
Supr Engineer, Circle.

P. W. D. 6th CIRCLE.

From

The Superintending Engineer,

6th Circle.

To

The Chief Engineer
P. W. D.

No. 616. In D.

Dated

Received

7th Feb 1887.

Enclosure.

2694 of 28-2-87

Reports in connection
with the foundations
of the Vaigai Bridge
Madura.

Now

for orders

the plans were taken

for yesterday

Amount receipt
of Rs. 100

Rs.

9.2.87

9/2/87

P. W. D.

Vaigai Bridge Sub-Division
Office

Madura. 7th February 87.

No. 241.

From,

The Executive Engineer
V.B. Works, Madura

To,

The Superintending Engineer
VI Circle
Trichinopoly

Sir,

With reference to your
memo no. 610 In D dated 4-2-87,
I have the honor to report that I
have deepened two of the piers of
the Vaigai Bridge to 9 feet below the
floor level which is about 11 feet below
the actual river bed at that point.
This is between 2 and 3 feet deeper
than what you saw when you
were here on the 1st Instant.

The soil met with remains
the same, viz, soft decaying rock
of granitic nature in which are
veins of quartz interspersed. It
softens very rapidly on exposure to water.

I do not think it necessary or advisable to go any deeper and as already reported Semi-officially. I propose to fill up the bottom three feet with concrete and then build the piers as estimated on them.

The excavation of piers No: 1, 2, and 3 is not so forward a state but they also will have to be taken down rather deeper than estimated and I propose to fill them in with concrete in the same way though perhaps so great a depth will not be required. The Cost of the Concrete will be approximately as follows -

Concrete work	
12 Ordinary Piers @ Rs 262.5 =	Rs 3150
2 Abutment Piers @ Rs 388.08 =	776
Total Concrete work	3926
Excavating Foundation	
12 Ordinary Piers @ Rs 26.25 =	Rs 315
2 Abutment Piers @ Rs 38.808 =	78
Total Excavating Foundation	393
Total Rs - 4319	

This is on the supposition that all the piers are to be treated in the same way. This can only be

ascertained after taking borings. There is a boring apparatus belonging to the Madura Division, which I hope to obtain shortly when I shall commence boring at once.

I beg the honor to be
Sir

Your most obedient Servant

H. M. L.
Executive Engineer
The W. 628. M. D. V. B. works

Submitted to the Chief Engineer

Enclosures 5
1 Plan (tracing)
1 Section at site (do).
1 Estimate abstract
1 Detailed do.
1 Tracing showing the depth of the railway bridge.
F. R. D., together with the sanctioned plans and Abstract Estimate for the Vigai Bridge, called for in the Telegram of 8th Instant.

A tracing showing the depth of foundations of, and nature of soil under, the piers of the railway bridge over the Vigai is also forwarded. The original was obtained from the Chief Engineer's Office S. I. R. It is not signed, but it is presumed the plan is correct.

The distance between
the railway bridge and
the site of the bridge
now being built is not
much.

The Engr. has
been asked to report what
is the distance; his
report will be forwarded.

L. W. Martin
Engr. in charge
VI circle

10² February 187-
87

82. 1095- In D/87

P. P. D.

Prof. ¹¹⁷⁴ 1174
The Executive Engineer,
WB. works.

To
The Supg. Engineer,
6th Circle,
Trichinopoly.

No. 241.

Dated 7th
Recd 12th } February 1877
Encls. 8
(+ 2 plans)

No. 694 cap 28-2-87

The foundation and
Subsoil of the Bridge
piers — report on
the —

No. 643 In D

Submitted to the Chief Engineer P. P. D.
for information in continuation of this
Office No. 628 In D dated 10² Instant —
The Railway bridge is above the new
bridge, and the piers shown on the plan
for railway bridge forwarded with
this office letter referred to are numbered
from the left to the right bank.

14th February 187

L. W. Martin

Engr. in charge of the
VI circle

P.W.D.
Vaijani Bridge Sub. Div.
Office
8.11.16. 2nd 87
From
The Executive Engineer
V.B. Works

To
The Superintending
Engineer. 6th Circle
Trichinopoly

No. 252.

Dated 12th
Despt. } February 87.
Recd. }
Encls: nil

Sir,
With reference
to your No: 630 subd
of the 10th Instant, I
have the honor to re-
port that the distance
between the Railway
Bridge over the Vaijani
and the one now being
built is 4,187 feet.

I have &c

V.B. Works
The Executive Engineer
V.B. Works

P.W.C. No 1279

From,

The Supy engineer
b. b. b. b.

To,

The Chief Engr
P. W. D.

No 643 MB

Dated 14th February
R. 16.2.87

No 694.C of 18-2-87

9/1/87
Towards for in-
formation letter
from the Executive
Engineer, Vaigai
Bridge works report-
ing that the distance
between the Railway
Bridge over Vaigai
& the one now being built
is 4187 feet -

No 100

Madras 21st February 1887.

From,

William Morgan,

Acting Government Solicitor,

Madras.

To,

Captain Baddeley R. E.

Under Secretary to Government P. W. D.

Sir,

I am in receipt of your Memorandum No 294 C of the 26th instant with enclosures which I return herewith.

1. I am of opinion that the P. W. D. in taking over the construction of the Vaigai Bridge, would in the absence of any Agreement to the contrary, be bound to give effect to all contracts entered into by the Local Fund District Board.
2. Both contracts are very loosely drawn and appear to - apply more to work to be done than to materials to be supplied. It is also somewhat difficult to ascertain whether the contract for the supply of stone was intended to be for all stone re- quired for the construction of the Bridge, or for the specific quantity of material mentioned in the Schedule to the Contract only, or for all stone required for a period of one year, irres- pective of whether the amount required equalled or exceeded - the quantity mentioned in the Schedule; on the whole however I am of opinion that under the stone contract dated 2nd August 1886, the Contractor is entitled to supply all the stone materi- al required for the construction of the Bridge during the - first year of its construction, to the extent of the quantities

1000/10 No 10-10
given in the Schedule to the contract, but that there is no -
obligation upon the Department to take further materials from
him after the expiration of the first year, or after the quantity
mentioned in the Schedule has been supplied, even though further
material may be required for the work.

3. Under the contract for the supply of wood dated the 26th
August 1886 the contractor is I think entitled to supply all ma-
terial required for the purposes of the work to the extent of the
quantities given in the Schedule, but not any material required
beyond the quantity mentioned in such Schedule.

4. With regard to the latter part of your Memorandum no
alterations can be made in the existing contracts, and I have -
therefore not made any pencil alterations as you request. I -
would suggest however that if the existing contracts are unful-
filled fresh contracts should be entered into with the contrac-
tors, in which the alterations suggested by the Superintending
Engineer 6th Circle in his letter No 566 of the 20th January -
1887 paragraphs 3, 4 and 10 might be embodied.

5. I think that clause 3 of the Contract would meet the
circumstances referred to in paragraph 9 of the Superintending
Engineers letter.

I have the honor to be,

Sir,

Your Obedient Servant,

William Morgan
Acting Government Solicitor.

P.M.C. No 1420

No 6940 of 28-2-87

R. 22-2-87

in: 1 file

Voyage Bridge Contract

H.C.

6940

His memo disposes
of all the current
in the file.
Please leave all
the S.E. letters on
the subject entered
in the margin of
draft - I should
all ends sent
up by S.E. to be
he returned to S.E.
with the

might perhaps be
communicated to the
S.E., with instructions
to act thereon.

The second matter
requires your orders.

C.
22.2.87

of 28 Feb 1887

Memo.

In reference to notes of
Inspection & letters as per
margin from the P.E. II, the
Chief Engineer observes that the
plan & estimate of the Vairin
Bridge was very carefully scruti-
nized by Col Mead when P.E.
of the Division, and that the
Contracts were separated on by
Col Perry when P.E. and
accepted, the only objection raised
being the rate given to the P.E. for
carriage: the Contracts have
however been submitted to the
Prof. Solicitor whose opinion
is enclosed.

2. It is found that the rates
at which the Contracts were given
by the Pres. S.F. Board will
cause an excess on the estimate,
a revised estimate must, of
course, be submitted, and

P.M.C. No 1420

No 6940 of 28-2-87

R. 22.2.87

in 1 file

6940

H.C.

His memo disposes
of all the current
in the file.

Please have all
the S.S. letters on
the subject enter
in the margin of
draft - I think
all encls sent
up by S.S. to be
returned to S.S.
25/2/87

Await reply
to the refer-
ence to the
Govt Solicitor.

W. 1.57 Dec
XV. 1.87

6940

1420

To W

These papers relate
to two matters connected
with the Vaigui Bridge
Works -

- (1) Contracts &
- (2) Foundations.

With respect to (1)
the Govt. Solicitor's letter
might perhaps be
communicated to the
S.C., with instructions
to act thereon.

The second matter
requires your orders.

C. 22.2.87

6940

Circ 1174

To DW

For orders.

We have not yet
received the Govt.
Solicitor's opinion
on the Contracts.

C. 14.2.87

N^o 694 c of 28th Feb 1887

Memo.

N^o 243 M. D. of 8th Sep/86
N^o 570 M. D. of 20th Jan 1887
N^o 566 M. D. dated 20th Jan 1887
N^o 606 M. D. of 4th Feb 1887
N^o 616 M. D. of 7th Feb 1887
N^o 628 M. D. of 10th Feb 1887
N^o 643 M. D. of 14th Feb 1887

X
N^o 100 dated 21st Feb 1887

With reference to notes of
Inspection & letters as per
margin from the P.E. II, the
Chief Engineer observes that the
plan & estimate of the Kaiser
Bridge was very carefully scruti-
nized by Col Mead when P.E.
of the Division, and that the
Contracts were reported on by
Col Perry when P.E. and
accepted, the only objection raised
being the rate paid to the P.E. for
carriage: The Contracts have
however been submitted to the
Jnt. Solicitor whose opinion
is enclosed.

2. It is found that the rates
at which the Contracts were given
by the Pres. S.F. Board were
an excess on the estimate,
a revised estimate must, of
course, be submitted, and

There is no objection to the use
of the arches being increased as
suggested by the P.E.

3. The necessity for bringing bricks
from Limevale is not apparent,
^{it is believed}
there must be good brick scull
available at a much less
distance.

4. As regards the foundations, if
the disintegrating work met
with is so hard that it cannot
be cut into a masonry like it
has been subjected to the action
of water, it will probably be
quite safe to build on it, as the
bridge is ^{the} provided with spans
& setting walls, but as the
quality of this rock probably
varies ^{at} different points, it
must be left to the P.E. to
determine when ~~it is~~ ^{it is}
safe to build on. The
 boring machine shows that

There is only a thin layer of this
material overlaying sand, it may be
necessary to have deeper foundations.

J. H.
24/2/57.

10th S.E. VI Circle ✓
with 15 inches.

3/3/57

464 c of 8-2-87
 - 171 c - 17-1-87
 - 294 c - 26-1-87
 - 31 W - 7-1-87
 + 1000

464 c of 28-2-87
 18 1/2
 13 1/2

573
 58

6 birds.

Reports of each contract exceeding \$500 entered into by Executive Engineer No. #1. Clerk
 of the Vaigai Bridge Sub. Dn. requiring the approval of Supd Engineer under para 1352 of the P.W. Code

Division	Name of work.	Amount of sanctioned estimate	Amount of expenditure	Tender	Mode in which birds were supplied.	Date of receipt of tenders.	Date in which tenders were opened	Name of the person whose tender has been accepted.	Native amount of security of account.	The amount guaranteed by deposit and deduction from bills.	The time within which the work is to be executed.	Percentage of deduction on bills.	Remarks.
Madurai.	Constructing a Bridge across the Vaigai at Madurai.	2,46,600, Rs. 3584 & 9.2.8	3,20,657. — Nil	As per schedule attached to the Board.	By notification in the local gazette & circulating printed notices in all public places of the work.	13 to 14 February 1886.	15 February 1886.	Dr. Chelakudi S. S. Pillai	Bids in cash in full	Bids in cash & 5 percent on his future bills.	1st January 1889.	5 per cent.	Tenders were invited by local fund Board & this was on board is allowed on these tenders.

Madurai
 24 June 1887.

True Copy

Signed / H. E. Clerk
 Executive Engineer
 Vaigai Bridge works.
 Submitted

No 386. M. D

Encls: 2

1 orig. bond

1 Rev. bond

submitted to the Chief Engineer
P.W.D for approval as the amount
of the agreement is Rs 28,109-12-1
which is in excess of the limit of the
Supr. Engineer's power of sanction.
Vide para 1350 of the P.W. Code.

2. It will be observed that no
tenders have been called for. The Secy.
Engineer states that "the tenders were
" called for by the Local Fund Board &
" a contract made by them; that this
" present contract is based on the previous
" one; and that the rates have been
" lowered by a private agreement with
" the contractor." The present contractor
confirms to do the work -

3. After personal enquiry into
the matter I am satisfied that this
was the best course. The present
contractor had bid out considerable
sums in plant, and it is certain that
no other men would have taken up
the work on ^{more} favorable terms while
a change would certainly have led

to delay and disputes and probably
to litigation.

[Signature]
Supr. Engineer, B. Circle.

Seidubauwitheer

15th July 1887. B.

1887

N^o 2535-29-7-87

P.W.C. N^o 5595

Approved.

W.C.M.
21.7.87

J.H.
24/7/87

Know,

The Sup^r Engineer

b: Circle.

To,

The Chief Engineer

P. W. D.

N^o 386 M D

Dated 15th July 1887

Ry 20-7-87

enclos 23

N^o 2535-29-7-87

Submits for approval
revised contract
bond executed by
Chokalingam Pillai
for the supply of
materials re for
the Vaigai Bridge
at Madurai.

Suply. Engr. VI circle
with 3 enclosures.
W.M. 3 enclos

Q. 21.7.87.

Letter from H. E. Clerk Esquire, Executive Engineer
Vaigai Bridge works, Madurai, to the
Superintending Engineer, b: circle dated
23rd July 1887. N^o 317.

In enclosing for your approval
the enclosed contract bond for wood
work with Contractor Chidambaram
Pillay, I have the honor to report that
this contract is based on one originally
made by him with the Local Fund
Board to supply timber in quantities
required at Rs 2.4 per Cub-foot.

As the Contractor is a wealthy
man and has supplied nearly the
whole quantity of timber at site
I considered it advisable to give him
also the carpentry work and to combine
the whole in one contract. It will
be noted that the portion of the rate
as -

assigned for fitting up is rather high but as it is essential to have a trustworthy man to do this work and the whole amount is well within the estimated rate.

The amount of Rs 16,500 entered as the amount of sanctioned estimate is not the amount actually to be paid to the contractor but the estimated net cost of the centerings after selling the timber the total amount to be paid to the contractor will be Rs 26,228.

The rough draft of this contract has been seen & approved by you on your last visit here.

No. 436. M.D.

Submitted to the Chief Engineer P.W.D. for approval as the amount of the agreement exceeds the limit of the Superintending Engineer's power of sanction. Vide para 1350 of the P.W. Code.

2.

It will be observed that

this contract is also based on the one originally accepted by the Local Fund Board for the reasons already given in this office No 386 M.D. of 15 July 1887.

3. The matter has been personally enquired into and discussed with the Executive Engineer on the spot and I am satisfied that the latter's proposals are judicious and should be sanctioned.

Public - J. B. M. S.
Supt. Engineer, Sule -

Count allam
1st August 1887

D/ 3 -

enclos 2.

1 Bond.
1 Report.

No 2535C. 7-29-7. 87.

PWC No 6109

(2)

No 2701C of 12-8-87

C

Approved.
Approved.

Wm
8.8.87

Jr
10/8/87

From,

The Supr Engineer
6: Circle.

To,

The Chief Engineer
P. W. D

No 436. W D

Dated 1st August 187

enclos 2

No 2701C of 12-8-87

W
13/8

See
13/8

Supdg. Engr VI Circle
with 3 enclosures.

Submits for approval
contract bond for
constructing three
centerings for the
Vaigai Bridge.

J.S.
23/8. 13/8

13/8

Received 8/8/87. R 12-8-87

SIXTH CIRCLE

P.W.D. No 9423

No 4225C of 22-11-87

Recorded

Cu
21.11.87

21/11/87

From
The Superintendent
6th Circle
Trichinopoly
To, The Chief Engineer
P.W.D.
Madras.

Dated 18th } Received 21/11/87

No 815 M.D.

No 4225C of 22-11-87

No 2701C of 12-8-87
- 2535C - 29-7-87
- 2469R - 23-9-86

Report of Contract
entered into with Con-
tractor Chithambaram
Pillay for constructing
wooden castruing for
Vaigai Bank.

S. G. V. M. L. S.
28/11/87

With proposal



OFFICE OF THE SUPERINTENDING ENGINEER,

6TH CIRCLE.

Trichinopoly 6th June 1888
Despd 7th do

No. 282. M.D

From J. W. Randall Esquire M. I. C. E.
The Superintending Engineer,
6th Circle.

To
The Chief Engineer
P. W. D.

Sir,

ENCLOSURES.

I have the honor to bring the follow-
ing facts to your notice in connection with
the Contract made for supplying Rough,
burnt and cut Stone to the Vaigai Bridge.

2. This Contract was made with
one Chokalingam Pillay, the Contractor for-
merly employed by the Local Funds Board,
with whom a fresh Contract was made
after the work was taken over by the
P. W. D. There was some correspondence
about the matter, and the Government Soli-
citor was consulted, vide your Memo. No. 694
of the 28th February 1887.

3. The new Contract was for the
quantity of Stone of each description esti-
mated to be required to complete the
Bridge

Bridge, and for the whole quantity of Lime
calculated to be wanted for the masonry.

4. This new Contract was forwarded
for your approval, and was returned approved
with your Memo. No. 2535. C of the 29th
July 1887.

5. In March last the Executive Engi-
neer Vaigai Bridge found that he would
not require the whole quantity Contracted for
and issued orders to the Contractor to cease
preparing any more rough stone. Instead of
stopping the Contractor went on getting out
rough stone. The Executive Engineer in May
sent him written notice that no more rough
stone would be taken over. Thereupon, the
Contractor sent through the Executive Engineer
a petition to me, to the effect that he had
Contracted to deliver a definite quantity, and
that we were bound to take the quantity
agreed upon from him.

6. In forwarding the Contractor's
petition to me, under date the 27th ultimo,
the Executive Engineer reported that it
appeared to him that there was no para-
in the Contract which provided for the pos-
sibility of the whole quantity of materials

Contracted

Contracted for not being required.

7. On reading through the Contract,
I could only come to the same conclusion;
viz., that the Contract was for the delivery
of a definite quantity of stone of the
various descriptions, and for a definite quan-
tity of Lime.

8. The quantity of rough stone Con-
tracted for was 1,02,160 cubic feet. The
quantity of stone delivered, and which will
suffice to complete the Bridge, is 59,692
cubic feet, leaving 42,468 to be delivered.

9. I accordingly instructed the Ex-
ecutive Engineer to compromise with the Con-
tractor and suggested that 12% per 100 cub.
feet or about 15 per cent on his Contract price
might be paid, requesting at the same
time that Mr. Clerk would make the
best bargain which he could.

10. In reply the Executive Engineer
informs me that the Contractor has agreed
to receive 15% on his Contract price for the
remainder of the rough stone, and that he
is prepared to sign a document that he will
make

make no further claim to supply rough stone
and that as regards the other materials he
understands that the figures entered in the
Schedule attached to the Contract are only
approximate, and that the quantities may
be increased or diminished on due notice
being given. - The sum to be paid is Rs 315.

11. I think therefore that in this case
we have made the best of a bad bargain. -

12. I have requested the Executive
Engineer to take an agreement (on an Eight
anna stamped paper) from the Contractor
embodying the above terms, and I have
authorised him to pay the money. I trust
my action may be approved. -

13. The Examiner will probably
require special authority to admit the
charge and this I request may, under the
circumstances, be granted. -

I have the honor to be
Your most obedt. Servant

J. W. Randall
Superintending Engineer
VI Circle

1225C 7.22-11.87
2701C 12.8.87
2535C 29.7.87
694C 28.2.87
2198C 11.6.88



No. 2198C of 11 June 1888

To
C

For favour of
remarks, with reference
to para 13.

W. W.
11.6.88

D. W.

To W.

No. 1746 of 25-6-88

If Government is satisfied
that nobody should be held responsi-
ble for the extra cost, it must be
accepted, the charge being debited
to the Vaigai Bridge under a distinct
sub-head to be opened out for the
purpose.

W. W.

C.
23/6.
25.

P. W. D. 6TH CIRCLE.

From
The Superintending Engineer,
6th Circle.

To
The Chief Engineer
P. W. D.

No. 282. M. D.

Dated 6th June 1888
Desd. 7th
Received 25.6.88

Enclosure. -

Informing about the agree-
ment made with Contractor
Shockalingam Pillay regarding
the rough stone to be supplied
by him to the Vaigai Bridge
work. -

Hand (4)

B
No 2044 w. of bridge

The ^{29th} Superintending Engineer's
action is approved.

2. The extra charge
should be debited
to the Pargai bridge
work, under a distinct
sub-head to be
opened out for the
purpose.

WMS
27.6.88

See
20/4/88

(The contract seems to have
been very carefully worked)

To The Suptg. Engr. VI Luck
Examiner P. & A. Accts.

MS 158
H. 27.88
R. 3.7.88
M. 3.7.88

127

3.27.6.88 3.5.7.88 7/7