475

Govt. of 18 96 Madras.

PUBLIC WORKS.

Dated 4

Read. Encl.

G.O., 4/2/ 1896 No. 5170

Telephone

—

Accepting the proposed establishment of a direct connection by telephone between the Grand Anicut and the Ex. Engineer's office at Trichinopoly requesting that the work may be completed by the 5th proximo the existing line to Trichinopoly being likewise dismantled.

—

W.

1179

110

~~H.6~~

Telephone connection between the Transit Amend. + Improve

Revised draft for approval

16

O.S. 23/1.
N.E. 7/2 R 10/2.

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following

From the Superintending Engineer, V Circle, No. 394 W.d/24th October 1895

From the Chief Engineer for Irrgation, No. 297 dated 13th November 1895.

From the Superintendent, Govt. Telegraph Dept.

Madras Division No. 6073 dated 28th November 1895.

From the Chief Engineer for Irrigation, No. 333 dated 7th December 1895.

From the Superintendent, Govt. Telegraphs, Madras Divn. No. 6834 d/26th Decr. 95

From the Chief Engineer for Irrigation, No. 10 dated 11th January 1896.

H.E. the Governor in Council accepts the proposals in paras 2 and3 of Mr. Palmer's letter of the 26th December 1895, and requests that the telephone connection between the grand anicut and the Executive Engineer's office at Tanjore may be put in hand and completed by the 15th May 1896.

2. If this is done, the existing line to Trichinopoly may be dismantled.

DESPATCHED
21 FEB. 96

The Suptg. Engineer, V Circle.
,, VI Circle.
,, Chief Engineer for Irrigation.
,, Examiner, P.W. Accounts.
,, Supdt. of Telegraphs, Madras Division.

(40—4,000—2-11-95.)

M.E. 23/1 R 27/1.

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following

From the Superintending Engineer, V Circle, No. 394 W.d/24th October 1895

From the Chief Engineer for Irrigation, No. 297 dated 13th November 1895

From the Superintendent, Govt. Telegraph Dept.
Madras Division No. 6073 dated 28th November 1895.

From the Chief Engineer for Irrigation, No. 333, dated 7th December 1895.

From the Supdt. Government Telegraphs, Madras Divn. No. 6834 d/26th Decr. 95.

From the Chief Engineer for Irrigation, No. 10 dated 11th January 1896.

The Government accepts the proposals in paras 2 and 3 of Mr Palmer's letter of the 26th December 1895, and requests that the telephone connection between the grand anicut ~~x~~ and the Executive Engineer's office at Tanjore may be put in hand [as early as practicable.]

2. ~~The~~ The existing line to Trichinopoly may be dismantled.

Do you not wish to say at once, and completed before ---- (whatever date is necessary)?
2. "If this is done" --

W
25 Jan

23/1/96

Cor 22/1/96

The Suptg. Engineer, V Circle.
" ~~do~~ VI do
" Chief Engr. for Irrigation.
" Examiner, P.W. Accounts.
" Supdt. of Telegraphs, Madras Division.

(40—4,000—2-11-95.)

Cu

for the work until after the 1st April next. It was for this reason that the words "as early as practicable" were used in the draft G.O.

29/1/96
W

Cy. Cor 28/1/96

with file complete.

No 45 dg. 2-96

To W.

Effluents may next may be fined for completing the line.

Rules
3/2

1/2

1-2-96

P. W. CURRENT No. 1175

Encls 1 file.
Recd: 6.2.96

574

No. 5320

Government of Madras.

PUBLIC WORKS DEPARTMENT.

Madras, 30 January 189 1896

OFFICE NOTE.

From

W

R22

To

I

With reference to
His Excy's note on the
accompanying draft order,
will you please say if any,
and if so, what detail
should be fixed within
which the new telephone
line between Tanjore &
the Grand Anicut should
be completed.

It will be seen
from the correspondence
that the Director General
of Telegraphs may not
be able to allot funds

E.7

P. W. CURRENT No. ~~10448~~ 427

Recd. 30-12-95 16.1.96

Ex: 4

No. 157 Cd/10 January

To E. I R2 1896

~~For favour of~~ remarks. Previous papers enclosed.

Cr. 1005 3/1/96 Dr.

To Ex. No 10. dated 11.1.96

I think this line advr. called for by the Dir. Genl. of Tels. the best under the circumstances. As this existing line will also probably be used during the next 5 months, there is no objection to it being dismantled.

Rhodes 11/1

Recd. from Office 2.45 P.M. 16/1/96.

line from the amiut to Trichinopoly has only one wire the earth being used as the return circuit, and I think it most probable that my enquiries into the unsatisfactory communication reported to you (which are not yet completed), will show that variation in the resistance of the earth connections has been the main cause.

5/. Kindly favor me with an early reply and at the same time inform me if the existing line to Trichinopoly can be dismantled at the expiration of the 3 months notice (vide para 2 of my letter No. 6073), or, in the event of the Director General of Telegraphs being unable to allot funds for the new line until after the 1st April 1896, if you wish to retain the existing line until the new one has been completed.

I have the honor to be,
Your most obedient servant,
A. L. H. Palmer
Superintendent

office at Tanjore."

3/. a subordinate of this Department has been sent over this direct road to check the distance and reports that from the amiut to the Executive Engineer's office at Tanjore is 28 miles, and I am instructed by the Director General of Telegraphs to inform you that the annual rent charge for a connection of this length would be-

56 half miles at Rs 20/- = 1120/-
2 Telephones at Rs 60/- = 120/-
Total Rs 1240/-

and to enquire if the Madras Government will accept this charge. If accepted, I shall at once prepare the necessary Estimate and the work will be put in hand as soon as the Director General can arrange to allot funds.

4/. I may add for your information that this connection if made will consist of two Hard Drawn copper wires forming a complete insulated metallic circuit, which should result in clear and distinct speech being transmitted. The existing Telephone

Line

L 2c. (½ foolscap).

GOVERNMENT TELEGRAPH DEPARTMENT.

INDEX No. OF 189 -9 .

ABSTRACT.

PRECIS.

FROM

THE SUPERINTENDENT, Madras DIVISION,

To The Chief Engineer
Public Works Department

No. 6834 Dated 26th December 1895 Madras

(Place) Madras

Encs. Recd.

SIR, In continuation of my ~~With reference to your~~ letter No. 6073, dated the 28th ultimo 189, I have the honour to inform you that when addressing the Director general of Telegraphs on the subject, I submitted full particulars regarding the line to Tiruvarambur Railway station suggested in the correspondence received with your endorsement No. 3553 C dated 19th idem (herewith returned) as well as lines along other routes, one of which was by the direct road connecting the anicut and Tanjore.

2/. I have now received the Director general's reply and quote from it the following Extract for your information

"It appears the only really satisfactory arrangement, and the one most likely to meet thoroughly the requirements of the case, will be direct connection by Telephone between the anicut and the Executive Engineers

CG P—No. 22 T—17 5 95—50,000

P. W. CURRENT No. 427

Government of Madras.

1896.

DISPOSAL.

Encls

Recd: 16.1.96

P. W. DEPARTMENT.

No. dated

~~CURRENT No.~~

From

The Chief Engineer
for Irrigation.

~~ENCLOS~~

No. 10

Dated 11.1.96

~~Received~~

No. 1845 C of 1-6-87
" 7669 - 5-12-87

SUBJECT.

Telephone line between the Grand Anicut and the Executive Engineer's office at Tanjore: Stating that the — advocated by the Director General of Telegraphs, will meet requirements.

29—2,000—23-9-95.

Government of Madras.

1895.

P. W. DEPARTMENT.

~~CURRENT No.~~

517 W

From

The Superintendent
Madras Division
Govt Telegraph Deptt.

ENCLOS 1

No. 6073

Dated 28.11.95

Received 29.11.95

SUBJECT.

Telegraphic communication between the Grand anicut and the Tiruverambur Station: Reporting on the Establishment of ——.

29—2,000—28-2-95.

P. W. CURRENT No. ~~9497~~ 9585-8

DISPOSAL.

Encls 1 2
Recd: 11.12.95
~~29.11.95~~

No. 3786 C dated 2nd December 1895

To E.I R 11

For favour of early remarks, with reference to paras 2 and 4 of the Superintendent's letter

Sd/ Spr
E.I.S.

Copy 29/11/95

To Govt No 333 9 R

W

I would await the reply from the Director General. In the meantime the present line may continue. The 3 mrs. notice can follow, when the D.G's reply is received.

Rueds
7/12
E.I

MB/WH

P. W. CURRENT No. 9858

(Ex 115)

Encls 2

Recd: 11-12-55

Awaits further Comms
Director of
Telegraphs.

Copy
13/12

RS 8/12 C/Secs 11-27-12-96

into the matter which was entirely un-
-known to me prior to the receipt of your
letter, as the periodical reports I have re-
-ceived from my Sub Divisional officer
make no mention of any complaints of
bad work.

4/. I take this opportunity of pointing out to you
that the proposed connection to a Railway
station is not in my opinion at all likely
to meet your requirements, because any
messages that might be tendered would
almost certainly suffer considerable delay
since the Railway wires are primarily erect-
-ed for the disposal of Railway traffic which
is given preference to traffic of any other kind.
It appears to me, therefore, that a wire between
the grand anicut and my combined office at Tan-
-jore or the office of the Executive Engineer at
Tanjore is what would best suit the case, and
I have accordingly asked the Director General
of Telegraphs to quote a rent for each of these
projects as well as for the one suggested
by you.

I have the honor to be,
Sir,
Your most obedient servant,

for Superintendent

P. W. CURRENT No. 9497

585-8/55

Encl 1

Recd: 29. 11. 55

L 20. (½ foolscap).

GOVERNMENT TELEGRAPH DEPARTMENT.

INDEX No. of 189 -9

ABSTRACT.

PRECIS.

FROM

THE SUPERINTENDENT, Madras DIVISION,

To The Chief Engineer
Public Works Department

No. 6073 Dated 28th November 1895

(Place) Madras

Encs. Recd.

SIR,

endorsement

With reference to your ~~letter~~ No. 3553 C, dated the 19th of ~~instant~~ ~~1895~~ I have the honour to inform you that questions regarding rent charges are invariably settled by the Director General of Telegraphs and that I have therefore addressed that officer on the subject and will let you have the desired information as soon as I receive his reply.

2/. I beg to attach for your information a copy of Condition VI of the appendix to Government Telegraph Department Circular Memo No. 6 (Telephone) of 1889, from which you will see that 3 months notice is required before your line can be given up, and I shall be glad to know if I may accept your communication under reply as tendering the necessary notice.

3/. The unsatisfactory working of the line complained of I much regret I have already instituted enquiries

GG P—No. 29 T—17.8.95—50,000.

Government of Madras.

1895

P. W. DEPARTMENT.

CURRENT No.

From The Chief Engineer for Irrigation.

ENCLOS 3

No. 297

Dated 13.11.95

Received 15.11.95

SUBJECT.

Telephone line at the Grand Anicut.— Offering remarks on letter from the Exc: Engr: Tanjore Dist: regarding the unsatisfactory working of the ——

29—2,000—28-2-95.

DISPOSAL.

Recd: 15.11.95

CURRENT No. 8955

10/11/95

9/27/96

POST TELEGRAPHS 20 NOV. 95 SUPDT'S OFFICE

No. ~~dated~~ Rev: 3

No 3553 Cd/19 November 1895

Referred with reference to G.O. No 7669 d/5-12-1887, to the Superintendent of Telegraphs Madras Dist: for favour of report whether telegraphic communication can be established between the Grand Anicut and the Fireweekumbu station and what the cost will be, as compared with that of the present telephone line to Trichinopoly which will be abandoned.

Col. R.E.
Chief Engineer & Ex. Officio

CHBS
18/11/95

P. W. CURRENT No. 8455 8310

422/95

From

THE SUPERINTENDING ENGINEER,

V CIRCLE,

To

THE Chief Engineer
P. W. Department.

Recd: 15.11.95 ~~29.10.95~~

Ins: 3

No 3337 Ed/6 - November 1895

To E. J. R 187.

Dated 24
Recd. 28 } October 1895.

For favour of perusal.

ENCLOSURES.

No. 394 W.

Telephone line at the Grand Anicut.

—

Forwarding Copy of letter from the Executive Engineer Tanjore Division regarding the unsatisfactory working of the — & recommends that Telephone communication with the Sirumaruthur Station from Grand Anicut will be satisfactory —

D
W
4111

EW
Clerks
2
II 95
No 297 dt 13.11.95

The proposal of the E.E., T.J. may be adopted with addl. Ins.

Reads
13/11
E.J.

between 6 A.M. & 6 p.m. I do not think that this is material as messages ~~messages~~ sent "urgent" in the early morning would always be sent on quickly - at present the Superintending Engineers Office at Trichinopoly is open for a much shorter period of the day than from 6. A.M. to 6. p.m.

6. A Signaller would be required at the Grand Anicut, I think it possible that one of the old (Lascars) Tindals might be transferred from the Cuddalore-Vellar Canal to the Grand Anicut as assistant Anicut Superintendent on Rs 20 and the present assistant Anicut Superintendent at the Grand Anicut, who wishes for a change, transferred to the Cuddalore-Vellar Canal on his present pay of Rs 20-0-0.

I have the honour to be
Sir,
Your most obt. Servt.
C. Lamb
24/10/94 Lt. R.E.
Supdg Engineer 5th Circle.

P.W. Ext 23
8310/95
~~8435~~
10448
427/96

C

Copy of letter from the Agent-Trotte Sudan Railway to the Superintending Engineer 6th Circle Trichinopoly dated 17th August 1887 No. 8387/1219.

Referring to your letter of the 6th Instant No. 885 J. I have to inform you that this Company's Telegraph Offices are open for the receipt and transmission of public messages only by day, Viz from 6. a.m. to 6. p.m. I think it would be more satisfactory were you to have your own clerk either at Trichinopoly or Srirangam to work the telephone you propose erecting -

---

/ True Copy /

C. S. Lamm Lieut. 1st. R.E.
24/10/95

Supg Engineer 6th Circle

October 1895.

6 & R

provided it's certainty can be guaranteed; if not, the bed will be the direct-telegraph via Srirangam.

7. The Telephone or Telegraph to Trichinopoly I consider distinctly inferior to either of these.

8. I do not think the element of cost to be of sufficient importance to deserve consideration.

/ True Copy /

C. S. Lamm Lieut. 1st. R.E.
24/10/95

Supg Engineer 6th Circle

October 1895.

P.W. Enc 7 4
8310/95
5553
6648
425/96

Can be considered trustworthy; even over Shaker distances it is very liable to mistakes and Misunderstandings. My own experience in Madras, when, ~~when~~ Under Secretary to Government, I had to receive constant telephonic messages, was that it was only with great difficulty they could be understood at all.

5. Of course the telephone line could be shortened by going to Trichinopoly and the messages being sent from there by telegraph to Tanjore, but this would be open to the objection of the repetition of messages and to delay of messages sent during the night.

6. On the whole I am of opinion that the best arrangement would be direct telephonic communication between Tanjore and the Ancient, I provided will frequently take place. The difference of cost (the pay of the Signallers being the same in both cases) would only be Rs 702 per annum, and I consider the superior convenience of the direct communication with Tanjore to be worth much more than this.

3. If the cost of the Office Establishment, does not include the pay of the Signallers and Rs 700 have to be added, as suggested in paragraph 2 of your Memorandum under reply, the total cost of the telegraphic communication would be only Rs 2,165 by Tanjore direct and Rs 1,453 by Trichinopoly, and the larger of these sums is a trifle compared with the interests involved.

4. I entirely agree with you that Telephonic communication, if trustworthy, would be preferable to telegraphic, but I am very doubtful whether over a distance of 32 miles, it

Can

B

Copy of letter from Lieutenant-Colonel J. Pennycuick R.E. Superintending Engineer VI Circle to the Chief Engineer for Irrigation dated Kodaikanal, 8th November 1887 No 1471 JJ.

With reference to your No VI/50 J.J. of 31st October, I have the honor to state that in my opinion, what is wanted is the quickest and most trustworthy means of communication between Tanjore and Amini.

2. Communication with Trichinopoly, except as a stage on the way to Tanjore, is of no use whatever, and it is for this reason, that I prefer that the new line should run to the latter Station and not to the former, as, if it runs to the former, messages to and from Tanjore will have to be repeated there, and, as the Office is not open during the night, delays will

A

Copy of letter from the Executive Engineer Tanjore Division to the Superintending Engineer 5th Circle dated 24th September 1895 No. 3375.

I have the honor to bring to your notice that the present telephone from the Grand Anicut to the Superintending Engineer's Office at Trichinopoly is very unsatisfactory. The line is 13 Miles long and passes from one Circle to another Circle -

2. I have a Statement showing that in 1889 between May and September it failed 5 times — in 1893 from July to December 6 times - and at a most critical time too - in 1894 4 times - and in 1895 up to date 9 times. I have no information for 1890-91-92.

3. If I have an important order to communicate to the Superintendent at the Grand Anicut, to avoid any

Tanjore & the Grand Anicut shall be in electrical communication with one another, and in support of this I enclose copy of letter written by yourself when Superintending Engineer VI Circle, to the Chief Engineer for Irrigation, No. 1471 T.J. dated 8th November 1887, marked **B**.

4. As stated in your letter I think that the most satisfactory arrangement will be to have telegraphic communication with the Trichinopoly Station from the Grand Anicut.

5. I send Copy of letter No. 8387/1219 dated 17th August 1887 from the Agent South Indian Railway to the Supg. Engineer VI Circle, marked C, from which it will be seen that messages can only be received at Trichinopoly between

SUPERINTENDING ENGINEER'S OFFICE,
V CIRCLE, MADRAS,

No. 394 W.

Camp Madavankarai
~~Chapadi~~, 22 October 1895.

From

Lieut.-Colonel C. C. Rawson R.E.,

SUPERINTENDING ENGINEER, V CIRCLE,

To

THE Chief Engineer

P. W. Department.

SIR,

I have the honour to forward copy of letter No. 3375 dated 24th September 1895, marked A, regarding the unsatisfactory working of the Telephone line to the Grand Anicut.

Enclosures. 3

2. I quite agree with Mr. Johnston in considering the existing arrangement most unsatisfactory. The Grand Anicut is not now under the charge of the Superintending Engineer V Circle and there does not appear to be any reason why it should be in telephonic communication with his Office.

3. What is required is that the Office of the Executive Engineer at Tanjore

250—31-10-94.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1896} Madras.

PUBLIC WORKS.

Dated February, 11th.

Read. *Encl.*

G.O. No. 517 W., 11th Feb. 1896.

FEBRUARY.

Telephone

Accepting the proposed establishment of a direct connection by — between the Grand Anicut and the Executive Engineer's office at Tanjore, and requesting that the work be completed by the 15th May 1896, the existing line to Trichinopoly being then dismantled.

SUPERINTENDING ENGINEER'S OFFICE,

V CIRCLE, MADRAS,

No. 394 W. Camp Madaranakam ~~Chepauk~~, 24th October 1895.

From

Lieut.-Colonel C. C. Rawson R.E.,

SUPERINTENDING ENGINEER, V CIRCLE,

To

THE Chief Engineer

P. W. Department.

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3. What is required is that the office of the Executive Engineer at Tanjore

250—31-10-94.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers:—

From Lieutenant-Colonel C. C. RAWSON, R.E., Superintending Engineer, V Circle, to the Chief Engineer, Public Works Department, dated Maduránta-kam, 24th October 1895, No. 394 W.

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3. What is required is that the office of the Executive Engineer at Tanjore and the Grand Anicut shall be in electrical communication with one another, and in support of this I enclose copy of letter written by yourself when Superintending Engineer, VI Circle, to the Chief Engineer for Irrigation, No. 1471 T.J., dated 8th November 1887, marked B.

4. As stated in your letter, I think that the most satisfactory arrangement will be to have telegraphic communication with the Tiruverumbúr station from the Grand Anicut.

5. I send copy of letter No. 8387/1219, dated 17th August 1887, from the Agent, South Indian Railway, to the Superintending Engineer, VI Circle, marked C, from which it will be seen that messages can only be received at Tiruverumbúr between 6 A.M. and 6 P.M. I do not think that this is material, as messages sent "urgent" in the early morning would always be sent on quickly. At present, the Superintending Engineer's office at Trichinopoly is open for a much shorter period of the day than from 6 A.M. to 6 P.M.

6. A signaller would be required at the Grand Anicut. I think it possible that one of the old hands (a signaller) might be transferred from the Cuddapah-Kurnool canal to the Grand Anicut as assistant anicut superintendent on Rs. 20, and the present assistant anicut superintendent at the Grand Anicut, who wishes for a change, transferred to the Cuddapah-Kurnool canal, on his present pay of Rs. 20.

ENCLOSURES.

A.

Copy of letter from the Executive Engineer, Tanjore Division, to the Superintending Engineer, V Circle, dated 24th September 1895, No. 3375.

I have the honour to bring to your notice that the present telephone from the Grand Anicut to the Superintending Engineer's office at Trichinopoly is very unsatisfactory. The line is 13 miles long and passes from one circle to another circle.

2. I have a statement showing that in 1889 between May and September it failed five times; in 1893, from July to December, six times; and at a most critical time too, in 1894, four times; and in 1895 up to date, nine times. I have no information for 1890, 91 and 92.

3. If I have an important order to communicate to the Superintendent at the Grand Anicut, to avoid any risk, besides wiring it to the Superintending Engineer's office at Trichinopoly to be transmitted by telephone to the Superintendent, I send a lascar *vid* Tiruverumbúr.

4. All this is very unsatisfactory and it has occurred to me that matters might be improved were the line taken to Tiruverumbúr railway station—a distance of 7 miles from the Anicut and 25 from Tanjore. There is always some one on duty at this station, day and night, or most of the night; and an arrangement might be made with the Railway Company to receive and transmit messages. The telegrams would be paid for at the usual rates and 5 to 10 rupees paid monthly for the use of part of the Telegraph office and as remuneration to the signaller for the extra work. The number of telegrams would, perhaps, average 12 per annum.

5. We cannot very well dismantle the line, for the interests served are very great.

6. We at present pay the Telegraph Department Rs. 640 per annum, for the line of 13 miles; one-half the length would cost about half that, for maintenance. I do not know what the cost of alteration would be.

7. One of the Grand Anicut lascars goes every day to Tiruverumbúr to post gauge returns; so the proposed line would be inspected daily, while the present one, I am sure, does not receive such attention.

B.

Copy of letter from Lieutenant-Colonel J. PENNYCUICK, R.E., Superintending Engineer, VI Circle, to the Chief Engineer for Irrigation, dated Kodaikánal, 8th November 1887, No. 1471 T.J.

With reference to your No. VI/50 T.J. of 31st October, I have the honour to state that, in my opinion, what is wanted is the quickest and most trustworthy means of communication between Tanjore and Anicut.

2. Communication with Trichinopoly, except as a stage on the way to Tanjore, is of no use whatever, and it is for this reason that I prefer that the new line should run to the latter station and not to the former, as, if it runs to the former, messages to and from Tanjore will have to be repeated there, and, as the office is not open during the night, delays will frequently take place. The difference of cost (the pay of the signallers being the same in both cases) would only be Rs. 702 per annum, and I consider the superior convenience of the direct communication with Tanjore to be worth much more than this.

3. If the cost of the Office establishment does not include, the pay of the signallers and Rs. 700 have to be added; as suggested in paragraph 2 of your memorandum under reply, the total cost of the telegraphic communication would be only Rs. 2,165 by Tanjore direct and Rs. 1,453 by Trichinopoly, and the larger of these sums is a trifle, compared with the interests involved.

4. I entirely agree with you that telephonic communication, if *trustworthy*, would be preferable to telegraphic, but I am very doubtful whether, over a distance of 32 miles, it can be considered trustworthy; even over shorter distances, it is very liable to mistakes and misunderstandings. My own experience in Madras, when Under Secretary to Government, I had to receive constant telephonic messages, was, that it was only with great difficulty they could be understood at all.

5. Of course, the telephone line could be shortened by going to Trichinopoly and the messages being sent from there by telegraph to Tanjore; but this would be open to the objection of the repetition of messages and to delay of messages sent during the night.

6. On the whole I am of opinion that the best arrangement would be direct telephonic communication between Tanjore and the Anicut, provided its certainty can be guaranteed; if not, the best will be the direct telegraph *vid* Tiruverumbúr.

7. The telephone or telegraph to Trichinopoly I consider distinctly inferior to either of these.

8. I do not think the element of cost to be of sufficient importance to deserve consideration.

C.

Copy of letter from the Agent, South Indian Railway, to the Superintending Engineer, VI Circle, dated 17th August 1887, No. 8387/1219.

Referring to your letter of the 5th instant, No. 885 T.J., I have to inform you that this Company's Telegraph offices are open for the receipt and transmission of public messages only by day, viz., from 6 A.M. to 6 P.M. I think it would be more satisfactory were you to have your own clerk either at Trichinopoly or Tiruverumbúr to work the telephone you propose erecting.

250—31-10-94.

No. 297.

The proposal of the Executive Engineer, Tanjore Division, may be adopted with advantage.

13th Nov. 1895. (Signed) R. R. E. DRAKE-BROCKMAN, Col., R.E., Chief Engineer for Irrigation.

From the Superintendent of Government Telegraphs, Madras Division, to the Chief Engineer, Public Works Department, dated 28th November 1895, No. 6073.

With reference to your endorsement No. 3553 C., dated the 19th instant, I have the honour to inform you that questions regarding rent charges are invariably settled by the Director-General of Telegraphs and that I have therefore addressed that officer on the subject and will let you have the desired information as soon as I receive his reply.

2. I beg to attach, for your information, a copy of condition VI of the appendix to Government Telegraph Department Circular memo., No. 6 (Telephone) of 1889, from which you will see that three months' notice is required before your line can be given up, and I shall be glad to know if I may accept your communication under reply as tendering the necessary notice.

3. The unsatisfactory working of the line complained of, I much regret. I have already instituted enquiries into the matter which was entirely unknown to me prior to the receipt of your letter, as the periodical reports I have received from my Sub-divisional officer make no mention of any complaints of bad work.

4. I take this opportunity of pointing out to you that the proposed connection to a railway station is not, in my opinion, at all likely to meet your requirements; because any messages that might be tendered would almost certainly suffer considerable delay, since the railway wires are primarily erected for the disposal of railway traffic which is given preference to traffic of any other kind. It appears to me, therefore, that a wire between the Grand Anicut and my combined office at Tanjore or the office of the Executive Engineer at Tanjore is what would best suit the case, and I have accordingly asked the Director-General of Telegraphs to quote a rent for each of these projects, as well as for the one suggested by you.

No. 333.

I would await the reply from the Director-General. In the meantime the present line may continue. The three months' notice can follow, when the Director-General's reply is received.

7th Dec. 1895. (Signed) R. R. E. DRAKE-BROCKMAN, Col., R.E., Chief Engineer for Irrigation.

From A. L. H. PALMER, Esq., Superintendent of Government Telegraphs, Madras Division, to the Chief Engineer, Public Works Department, dated 26th December 1895, No. 6804.

In continuation of my letter No. 6073, dated the 28th ultimo, I have the honour to inform you that, when addressing the Director-General of Telegraphs on the subject, I submitted full particulars regarding the line to Tiruverumbúr Railway station, suggested in the correspondence received with your endorsement No. 3553 C., dated 19th idem (herewith returned), as well as lines along other routes—one of which was by the direct road connecting the Anicut and Tanjore.

2. I have now received the Director-General's reply and quote from it the following extract for your information: "It appears the only really satisfactory arrangement, and the one most likely to meet thoroughly the requirements of the case will be, direct connection by telephone between the Anicut and the Executive Engineer's office at Tanjore."

3. A subordinate of this department has been sent over this direct road to check the distance and reports that from the Anicut to the Executive Engineer's office at Tanjore is 28 miles, and I am instructed by the Director-General of Telegraphs to inform you that the annual rent charge for a connection of this length would be—

	Rs.
Fifty-six half-miles at Rs. 20	1,120
Two telephones at Rs. 60	120
Total ...	1,240

and to enquire if the Madras Government will accept this charge. If accepted, I shall at once prepare the necessary estimate, and the work will be put in hand as soon as the Director-General can arrange to allot funds.

4. I may add, for your information, that this connection, if made, will consist of two hard-drawn copper wires forming a complete insulated metallic circuit, which should result in clear and distinct speech being transmitted. The existing telephone line from the Anicut to Trichinopoly has only one wire, the earth being used as the return circuit, and I think it most probable that my enquiries into the unsatisfactory communication reported to you (which are not yet completed), will show that variation in the resistance of the earth connections has been the main cause.

5. Kindly favour me with an early reply and, at the same time, inform me if the existing line to Trichinopoly can be dismantled at the expiration of the three months' notice (*vide* paragraph 2 of my letter No. 6073), or in the event of the Director-General of Telegraphs being unable to allot funds for the new line until after the 1st April 1896, if you wish to retain the existing line until the new one has been completed.

No. 10.

I think the line advocated by the Director-General of Telegraphs, the best under the circumstances. As the existing line will not probably be used during the next five months, there is no objection to its being dismantled.

(Signed) R. R. E. DRAKE-BROCKMAN, Col., R.E.,
11th Jan. 1896. Chief Engineer for Irrigation.

From the Chief Engineer for Irrigation, dated 3rd February 1896, No. 45.

Order—No. 517 W., dated 11th February 1896.

His Excellency the Governor in Council accepts the proposals in paragraphs 2 and 3 of Mr. Palmer's letter of the 26th December 1895, and requests that the telephone connection between the Grand Anicut and the Executive Engineer's office at Tanjore may be put in hand and completed by the 15th May 1896.

2. If this is done, the existing line to Trichinopoly may be dismantled.

(True Extract.)

Under Secy. to Govt., P.W.D.

To the Superintending Engineer, V Circle.
" " " VI "
" Chief Engineer for Irrigation.
" Examiner, Public Works Accounts.
" Superintendent of Telegraphs, Madras Division.

Exd. T. K. Narayana Aiyangar.
Spare Copies

250—31-10-94.

Tanjore

Public Works (1896) Department

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1896} Madras.

PUBLIC WORKS.

Dated February, 11th.

Read. *Encl.*

G.O. No. 517 W., 11th Feb. 1896.

FEBRUARY.

Telephone

Accepting the proposed establishment of a direct connection by — between the Grand Anicut and the Executive Engineer's office at Tanjore, and requesting that the work be completed by the 15th May 1896, the existing line to Trichinopoly being then dismantled.

—31-10 94.