CONCERNS BOTH BRITISH INDIA
AND INDIAN STATES.

# Public Works (1898) Department.

## RAILWAY BRANCH.

**G.O., No.** 882 Ry.

**DATED** 30th June 1898.

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[Despatch Abstract.]

Progress reports. The —— for Calicut-Cannanore, Shoranur-Cochin and Nanjangod-Erode Surveys, for the months of March, April & May 1898, forwarded to the Govt of India, with the remark that no work was done on Nanjangod-Erode Ry during March 1898

Indexed. 11/7/98

P. W. Ry.
00—13-6-98.

## BACK PAPERS.

| G.O. | No. | Department. | Date. | G.O. | No. | Department. | Date. |
|---|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  |  |

## FURTHER PAPERS.

| G.O. | No. | Department. | Date. | G.O. | No. | Department. | Date. |
|---|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  |  |

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Form No. 1.

G. W. Ry C No 599

No. 547 R.C.

GOVERNMENT OF INDIA.

PUBLIC WORKS DEPARTMENT.

RAILWAY Constn.

Recd 11-5-98

To

THE Joint Secy. to the Govt. of
Madras, P.W.D., Ry. Bh.

SIMLA, 6th May 1898.

The undersigned is directed to request the early submission of the return noted below.

*Assistant Secretary.*

Progress reports for surveys of the following lines of railway for the months of March & April 1898:-

Calicut-Cannanore.
Shoranur-Cochin.
Nanjangode-Erode

G. C. Press Simla.—1790 P. W. D.—19-3-96.—1,000.

Draft.

Consl. Engr. to the Secty of
Madras Govt. Ry. Bd.

Memo 1

Progress report for survey
of the following lines
early for the months of
March & April 1898 -
Calicut Cannanore
Shoranur Cochin
Nanjangode Erode

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Form No. 1

Telephone Message

From
ER
to AM

Please send early
Progress reports for survey
of the following lines
for the months of March
and April 1898. urgently
required by the G of I.
Calicut Cannanore
&
Shoranur - Cochin.
vide Circular 6 Ry of 9.6.90

Despd 2 P.M.
R
12/5

Flag O

---

From ER
to A

Please send early
Progress report ~~for survey~~
of the Nanjangode - Erode
survey for the months
of March and April/98
urgently required by the G of I
vide Circular 6 Ry of 9/6/90

for ER
11-5-98

AR
Only for Calicut Cannanore Survey, the progress report was sent for Jany & Feby/98.
Please see R Index 1898 (marked)

12/5-98

Despd 2-10 P.M.
R
12/5

AR.
For check.
12/5/98

12/5

12/5/98

Form No. 1.

No. 475 Urgent

**South Indian Railway Co., Ld.,**
AGENT'S OFFICE,
TRICHINOPOLY, 13th. May 1898.

C. No. 2330
Recd. 14.5.98

RECEIVED
14 MAY 1898

*From*

The AGENT,
SOUTH INDIAN RAILWAY,

*To*

The CONSULTING ENGINEER FOR RAILWAYS,
MADRAS.

*Sir,*

In compliance with the request contained in your telegram of yesterday, I have the honor to forward a Progress Report of Erode Nunjangod Railway Survey for the month of April, 1898-

There was no work done during March, 1898-

I have the honor to be,
Sir,
Your most obdt. Servt.
W. de Mesurier
for Agent.

From
The Agent,
South Indian Railway,
Trichinopoly,
To
The Consulting Engineer for Railways,
Madras.

Dated }
Received } No. 189

Enclosure.

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Form No. 1. 1 No.

(No. I.) 5000-15-3-88.

No. 9075
A/442

**MADRAS RAILWAY.**

AGENT AND MANAGER'S OFFICE,

MADRAS, 14th May 1898

CONSULTING ENGINEER FOR RAILWAYS
RECEIVED
16 MAY 1898
MADRAS.

C. No. 2351
Recd. 16.5.98

*From*

*The Agent and Manager,*
*Madras Railway Company,*

*To*

*The Consulting Engineer for Railways,*
Madras.

SIR,

With reference to your telephone message of the 12th Instant, I have the honour to forward herewith copies of the Progress Reports of the re-survey of certain portions of the Calicut-Cannanore Extension for the months of March and April 1898.

I have the honour to be,
Sir,
Your most obdt. Servant,

for Agent & Manager.

Enc/2.

Form No. 1. 1 No. 1472

(No. I.) 5000-15-3-88.

No. 9097
A/443

**MADRAS RAILWAY.**

AGENT AND MANAGER'S OFFICE,

MADRAS, 14th May 1898.

C. No 2352
Recd. 16.5.98

CONSULTING ENGINEER FOR RAILWAYS
RECEIVED
16 MAY 1898
MADRAS

From

The Agent and Manager,
Madras Railway Company,

To

The Consulting Engineer for Railways.
Madras.

SIR,

With reference to your telephone message of the 12th instant, I have the honour to forward herewith a copy of the Progress Report of the survey of Shoranur-Cochin line for the month of March 1898.

I have the honour to be
Sir,
Your most obedt. Servant

Edmund

for Agent & Manager.

Ck
Encl/1.

Form No. 1. No. 1472

(No. I.)

No. ~~9097~~
A/452

**MADRAS RAILWAY.**

AGENT AND MANAGER'S OFFICE,

Madras, 18th May 1898.

CONSULTING ENGINEER FOR RAILWAYS
RECEIVED
19 MAY 1898
MADRAS.

C. No. 2414
Recd. 19.5.98

From

The Agent and Manager,
Madras Railway.

To

The Consulting Engineer for Railways,
Madras.

Sir,

In continuation of my letter No. 9097/A/443 of the 11th instant, I have the honor to forward herewith a copy of the Progress Report of the survey of the Shoranur-Cochin line for the month of April 1898.

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

A. Edmunds
for Agent & Manager.

Enclosure.

Form No. 1.

No. 1472

Madras, 23 May 1898

From

THE CONSULTING ENGINEER FOR RAILWAYS,

MADRAS,

Reminders.

To

THE AGENT AND MANAGER, M. RY.
~~" " S. I. RY.~~
~~" " H. H. THE N. G. S. RY.~~
~~" " AND CHIEF ENGR., N. RY.~~
~~" " S. M. RY.~~
~~" ENGR.-IN-CHIEF, B. M. RY.~~
~~" MANAGER, E. C. RY.~~

Reply No. $\frac{10678}{574}$

dated 24/6/58

SIR,

With reference to your letters Nos $\frac{9075}{A442}$, $\frac{9097}{A443}$ & $\frac{9097}{A452}$ of the 14th, of ~~14, 14~~ the 18 January 1898, I have the honour to return the Progress reports received therewith and to request that they may be prepared in accordance with any of the forms which accompanied the Govt of India circular* No 6 Ry dated 9 June 1890 and re-submitted to this Office.

MH 23/5

* copy forwarded with this office No: 638 of 21.7.90

Encs 3
the Progress Reports refd to

Dispatched on 23.5.98

H.P. 23/5/98

W. 23/5/98

No. 574

**South Indian Railway Co., Ld.,**
AGENT'S OFFICE,
TRICHINOPOLY, 11th June 1898.

C. No. 2774
Recd. 13.6.98

*From*
The AGENT,
SOUTH INDIAN RAILWAY,

*To*
The CONSULTING ENGINEER FOR RAILWAYS,
MADRAS.

*Sir,*

With reference to my letter No. 475 of 13th May 1898, I have the honor to forward the Progress Report of the Erode-Nunjangod Railway Survey for the month of May 1898.

I have the honor to be
Sir
Your most obedient servant
R.G. Shelley
Captain R.E.
Agent.

1 Enclosure

(C. 3.) 1,000—26 10-94.

Madras Railway Company,
AGENT & MANAGER'S OFFICE,
*Madras,*

C. No. 2831
Recd. 16/6/98

From

THE AGENT AND MANAGER,
M. R. Co.

To

The Consulting Engineer
for Railways,
Madras.

Dated 15th } June 1898
Received }

CONSULTING ENGINEER FOR RAILWAYS, MADRAS.
RECEIVED 16 JUN 1898

No. 10678
542

The undersigned has the honor to forward herewith copies of the Progress Reports of work done on the Calicut-Cannanore Extension for the months of April and May 1898.

S.C./
Encl/2.

A Edwards
pr Agent and Manager.

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From
The Agent,
South Indian Railway,
*Trichinopoly.*

To
The Consulting Engineer for
Railways,
*Madras.*

Dated } 189
Received }

No.

Enclosure.

From
The Agent,
South Indian Railway,
*Trichinopoly.*

To
The Consulting Engineer for
Railways,
*Madras.*

Dated } 189
Received }

No.

Enclosure.

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1,000—26 10-94.

ilway Company,
ANAGER'S OFFICE,
*Madras,*

Telephone

Frm EE

To AM.

My number 1472 of 28th May. Please expedite submission of Progress reports for the Calicut-Cannanore & Shoranur Cochin Surveys for March, April & May 1898. [illegible] urgent.

CMM 15/6

Desp'd 2-35 PM
15/6.

15/6/98

(C. 3.) 1,000—26 10-94.

Madras Railway Company,

AGENT & MANAGER'S OFFICE,

*Madras,* 1898

2875.
18-6-98

CONSULTING ENGINEER FOR RAILWAYS
RECEIVED
18 JUN. 1898
MADRAS.

From

THE AGENT AND MANAGER,

M. R. Co.

To

The Consulting Engineer
for Railways,
Madras

*Dated* 17th } June 1898.
*Received*

No. 9097.
547

The undersigned has the honor to forward herewith copies of the Revised Progress Reports of the Shoranur-Cochin Survey for the months of April and May 1898.

A.C./

pr *Agent and Manager.*

Encls/2.

Form No. 1.

No. 1814

Madras, 20 June 1898

From

THE CONSULTING ENGINEER FOR RAILWAYS,

MADRAS,

To

THE AGENT AND MANAGER, M. RY.
" " S. I. RY.
" " H. H. THE N. G. S. RY.
" " AND CHIEF ENGR., N. RY.
" " S. M. RY.
" ENGR.-IN-CHIEF, B. M. RY.
" MANAGER, E. C. RY.

Reminders.

Reply No. 10678/A/580
dated 25/6/98

SIR,

I have the honour to return herewith the Progress Reports of the Calicut-Cannanore Extension for the months of April and May, 1898, received with your No. 10678/542 of 15-6-98, and to request that they may be resubmitted as early as possible after the names of staff employed have been entered in accordance with the form prescribed

Encs two
Reports for April
+ May reptd

Despatched on 20.6.98

in enclosure No 4 to Govt of India
Circular No. 6. Railway d/ 9-6.1890 -

~~A very early reply is requested~~

Flag 3

Recd 20/6/98.

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(No. I.)

No. 1/574

# MADRAS RAILWAY.

AGENT AND MANAGER'S OFFICE,

Madras, 24th June 1898

2987
27-6-98

CONSULTING ENGINEER FOR RAILWAYS
MADRAS
RECEIVED
27 JUL 1898

*From*

The *Agent and Manager.*
Madras Railway

*To*

The *Consulting Engineer for Railways.*
Madras

SIR,

With reference to your letter No 1472 of the 25th Ultimo, I have the honor to forward herewith Revised Narrative in Progress Report of the Calicut-Cannanore Extension for the month of March 1898. The revised Reports of the Shoranur-Cochin and Calicut-Cannanore Extensions for the months of April and May were re-submitted with my letters Nos 9097/5417 and 10678/5442 of the 17th and 15th instant.

The report of the Shoranur-Cochin Survey for March 1898 will follow.

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

Agent & Manager

O.C.
1 Encl.

5000-15-3-88.

(No. I.)

No. 10678

A/580

## MADRAS RAILWAY.

AGENT AND MANAGER'S OFFICE,

MADRAS, 25th June 1898

2986
27.6.98

From

The Agent and Manager,
Madras Railway Company,

To

The Consulting Engineer for Railways,
Madras.

JOINT SECRETARY TO GOVT. OF MADRAS RYS.
RECEIVED
27 JUN 1898

SIR,

In compliance with the request contained in your letter No. 1814 dated 20th instant, I have the honour to resubmit the Progress Reports of the Calicut-Cannanore Extension for the months of April and May 1898 with the names of staff employed duly inserted therein.

I have the honour to be,
Sir,
Your most Obedt. Servant,

CSe

Encl 2.

Agent & Manager.

(No. I.) 5000-15-3-88.

No. 9097
A/588

3023
28-6-98

## MADRAS RAILWAY.

AGENT AND MANAGER'S OFFICE,

MADRAS, 27th June 1898.

*From*

*The Agent and Manager,*
*Madras Railway Company,*

*To*

*The Consulting Engineer for Railways.*
Madras

CONSULTING ENGINEER FOR RAILWAYS MADRAS
RECEIVED
28 JUN 1898

SIR,

In continuation of my letter No. 574 of the 24th instant, I have the honour to forward herewith the Revised Progress Report, of the Shoranur Cochin Survey for the month of March 1898.

I have the honour to be
Sir
Your most obedt. Servant,
Edwards
for Agent & Manager.

Encl/2.

# Madras Railway
## Calicut - Cannanore Extension

## Narative Progress Report of work done to end of March 1898

### Staff

Mr G. A. J. French. Engineer-in-Chief
Mr E. Anson Executive Engineer

### Survey.

The Sea Coast line from Edakkad to Cannanore has been completed and the results plotted. After careful study of the ground ~~the results of which have been plotted~~ a line has been located ~~at~~ to Baliapatam. This shews a very heavy cutting of over one mile long close to Baliapatam ~~but this~~ is unavoidable. As all field work ~~seems to be~~ is completed the plans &c are will ~~about to be~~ Submitted to the Consulting Engineer for his Inspection to enable him to suggest any further work he wishes done before the Survey parts is broken up.

### Earthwork

The land required for earthwork in banks and cuttings between Calicut and Ellatur was mostly marked out and the Revenue authorities were taking measurements and information relative to the extent of individual holdings during the month preparatory to issuing notices to the parties concerned informing them that their land would be required for Railway purposes.

Detail Estimates for earthwork on the first

first 26 miles were submitted for sanction

## Minor Bridges

Plans and Estimates for 12 Minor Bridges were submitted for Sanction

(sd) G. A. F. French
Engineer in Chief
Calicut Cannanore Extn

True Copy
(sd) J. M. Ewing
for Chief Engineer

True Copy.

Agent & Manager
24. VI - 98.

1 ERs C No 2987 of 98
574 d/ 24. 6. 98
Am

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No. 24/224.

Madras Railway Co
Calicut-Cannanore Extn.
Calicut 10th June 1898.

The Chief Engineer

My dear Sir,

Narrative Progress Report of work done to the end of April 1898.

Staff - Mr. G. A. F. French - Engineer - in-Chief
Mr. E. Anson - Executive Engineer.

Survey.- On April 15th the camp was moved into Calicut. The tents have been returned to Store the field Staff reduced to 1 Surveyor stationed at Mahé who is superintending the completion of lockspitting all over the line and the renewal of old pegs and Bench marks. The Comparative estimate of earthwork on the sea coast line and inland routes has been completed and the Consulting Engineer decided that the sea coast route should be rejected. The estimate proved very decidedly that it was the more expensive route.

Some more cross sections were taken near Baliapatam station to the right of the adopted line with a view to seeing whether there was no cheaper line possible in that direction to the Baliapatam Station. These cross sections shewed no better line but it is intended to run another trial line over the big ridge for a distance of about 40 chains before construction commences. The cutting through this ridge is apallingly long and heavy and it will therefore be satisfactory to have this trial line run early next season.

All work connected with finishing the plans and sections and estimates up to Tellicherry are well in hand

Earthwork - The earthwork estimate for the first 26 miles was submitted and sanctioned and orders to start the banks and cutting for a metre gauge line were received on the 5th April 1898 but as no land was handed over during the month this work could not be starte

Acquisition of land - Plans and schedules of land required on the first 26 miles were issu to the Revenue Authorities and they were busy during the month in issuing notices making measurements and valuations. The number of small holdings and the difficulty experienced in Malabar in ascertaining correctly the owner of the land makes this work particularly slow and tedious.

The side widths of land applied for were marked out as far as the 26th mile.

Minor Bridges - Plans and Estimates for 24 minor bridges were submitted for sanction.

Yours very truly
Sd/ G. A. F. French.
Engineer-in-Chief

True Copy /
Henry West
Chief Engineer

2986 8
580 25.6.98
Am

Earthwork –

[illegible] 22 miles [illegible] submitted and [illegible] and orders to start the works [illegible] upon a proper [illegible] of the Chief Engr. but as no land was handed over during the month the works could not be started.

Acquisition of Land –

Plans and estimates of Land required on the first 22 miles were sent to the Revenue Authorities and they were busy during the month in taking [illegible] measurements and [illegible] of small holdings and the difficulty [illegible] of the land [illegible] and taking.

The whole [illegible] of land [illegible] as far as the [illegible]

Minor Bridges –

Plans and Estimates for the minor bridges were submitted for sanction.

Yours very [illegible]
[illegible]

True Copy
[illegible]
Chief Engineer

---

Madras Railway
Calicut – Cannanore Extension
Calicut. 10th June 1898

No. $\frac{24}{225}$

The Chief Engineer
Royapuram

My Dear Sir,

Narrative Progress Report of work done to the end of May 1898

Your No. C 371 of 8th Inst

**Staff** – Mr. G. A. F. French – Engineer-in-chief.
" K. Anson – – – Executive Engineer.
" J. G. R. Marsh – Assistant Engineer.

**Survey.** This month has been occupied in finishing the plans, sections and earthwork estimate for the portion of the line between mile 21 & 44 and getting tracings prepared for submission
the Chief Engineer. These were despatched
on the 30th May 1898. A similar set of pla
& are being prepared for the last portio
of the line from mile 44 to Baliapatam
at mile 59.

**Land.** In the Kalcherry
Amsham 5.45 acres and in the Elatt
5.95 acres of Land were handed over
the Railway Company during the month
Total 11.40 acres. The Revenue Inspector
were busy in making measurements and
valuations.

**Earthwork.** As soon as some more
is handed over to us earth work will
started.

**Major Bridges.** Bridge plant is bei
collected.

**Minor Bridges** The plans and estim
for 37 minor bridges were forwarded fo
sanction and permission to build 36 of
was received. Materials are being colle

**Staff.** Mr. J. G. R. Marsh

the Staff from England as an Assistant Engineer on the 3rd May 1898.

Yours very truly

(Signed) G. R. F. French

Engineer in Chief

(True Copy)

Chief Engineer

14-6-98

2 2986 8
580 25.6.98
Am

Shoranur Cochin final location survey
Narrative Progress Report for work done to end of March 1898.

Mr. Charles R. Dallas - Executive Engineer.
T. S. Kolundaveloo Pillay - Surveyor.
G. Manika Chetty "
Mr. H. Arbuthnot "

The progress made up to this has not been satisfactory as time was lost at the commencement of the month in tracing out and levelling over the alternative lines suggested by the Consulting Engineer but these had to be given up as they added considerably to the length of the line or ran into valuable cultivated lands without very much advantage so far as the section was concerned. Mr. Stoney's trace of 1895 has been selected with considerable care in taking the shortest route, and the best ground available through the hills to 4 miles and certainly up to this mileage the features of the country will allow no advantageous divergence from it. With the exception therefore of a trivial alteration in the second tangent to avoid the destruction of a Cocoanut plantation and a house and grounds I have adhered to it and the line is now chain pegged levelled and field section plotted and graded up to 170.00 chains: the lockspitting and building of borgies is also in progress.

2°. In a Demi official letter thro' Chief Engineer to you I stated that I could not quite understand in Mr. Stoney's trace the constant use of the 2°. curve when a curve of greater deflection could have been employed and gives less work, but this I am now of opinion has arisen from a wish to save loss of grade by complying with the Government order for allowing compensation on curves which is not required on the broad gauge for 2° curves.

3°. The duties of the Staff have been divided as follows:—

Surveyor Kolundaveloo Pillay works with the theodolite in setting out the chain pegs and laying out the curves – Surveyor Mbanika Chetty takes the chain peg levelling – Mr. Arbuthnot surveys in the details for the 300 feet on either side of the trace: the native surveyors work satisfactorily but are not very efficient in the use of their instruments and have no knowledge of what is required either in laying out curves, or levelling for a railway section: they are however beginning to acquire some idea of their duties, but it has caused delay by work having been done two or three times before any passable accuracy of levelling could be obtained: progress is also retarded for want of a skilled assistant who can level for a railway section as I have to send back the surveyor Kolundaveloo Pillay from the theodolite work to take the check levels after the other surveyor has levelled over the line which has been set out.

4th. I have succeeded lately in obtaining the services of another surveyor who has worked under me before, but as he has had a promise of an appointment on the Calicut-Cannanore line, as soon as the construction work commences I have engaged him temporarily on the highest daily pay I can sanction Rs. 1-8-0 per day so as not to prevent his leaving at a days notice when Mr. French requires his services: this he informed me would be in about 3 weeks.

(True copy)

[illegible] West

Chief Engineer.

Sd/ Charles R. Dallas.
Executive Engineer
S. C. Survey.

## Progress Report of Shoranur-Cochin final location Survey to end of March 1898.

| Item No. | Division | Length mile | Superior Staff employed on Divisions | Progress of work |
|---|---|---|---|---|
| 1. | Shoranur-Cochin Survey.<br>Shoranur to Ernacolam. | 73. | Mr. Dallas, Executive Engineer<br>T. S. Kolundaveloo Pillay. Surveyor<br>G. Manicka Chetty ——"——<br>Mr. Arbuthnot ——"—— | Line chain pegged, levelled, field section plotted and graded up to 170.00 chains: the lockspitting and building of borgies is in progress. The time lost at the commencement of the month in tracing out and levelling over the alternative lines suggested by the Consulting Engineer has been explained in Enc. No. 4 para 1 and also the inefficiency of the native surveyors in the use of their instruments and of their poor knowledge of what is required either in laying out curves or levelling for a railway sections. |

(Signed). C. R. Dallas.
Executive Engineer.
S. C. Survey.

Executive Engineers Office.
Shoranur-Cochin Survey.
Rayapuram 24th June 1898.

(True copy)

Chief Engineer
25-6-98.

## Shoranur - Cochin final location Survey
## Narrative Progress Report for the month of April 1898.

---

First Division 344·00 to 788·00 chains

| | | |
|---|---|---|
| Staff | Mr Charles R. Dallas | Executive Engineer |
| | " A. M. Stevenson | Assistant " |
| | I. S. Kolandavelu Pillay | Surveyor |
| | G. Manikka Chetty | " |

### Survey.

The work done during the month as detailed in enclosure 2 3 days' running that trace and clearing jungle between 345·00 and 380·00 prior to chain pegging.

### Weather

Fine dry weather continued up to about middle of the month when heavy showers set in and though these have not interfered with the progress of the work they have caused a great deal of sickness amongst the Lascar staff. I hear from both Europeans and natives that survey operations cannot be continued after the end of the current month and I therefore propose with your concurrence to continue laying in the line which is now about 1½ miles beyond Trichur and in progress up to 25th Instant and then to go back to Wadakan-cherry to realign the trace between 320·00 and 380·00 chains and on completion of this, close the survey work and return to Madras. All necessary information will then be available for preparing the Estimates for the line up to Trichur. Your instructions with regard to the above proposal are requested.

(Signed) C. R. Dallas
Exe: Engineer
S. C. Survey

True copy
Chief Engr.

2

Enclosure No 2 to Railway Circular No 6 of 1890

Progress Report of the Shoranur Cochin final location Survey to end of April 1898

| Item No | Division | Length miles | Superior Staff employed on Division | Progress of work |
|---|---|---|---|---|
| 1 | Shoranur Cochin final location Survey:<br>Shoranur to Ernacalam | 73 miles | Mr Charles R. Dallas - Executive Engineer<br>" A. M. Stevenson Asst. Engineer<br>T. S. Kolundavalu Pillay - Surveyor<br>G. Manikka Chetty — " | Line chain pegged and levelled up to 755.00 chains: Detail Survey from 300 feet on each side of line 480.00 chains Lackspitting Completed to 612 chains: 10 chain Borgies - 48 Completed to 610 chs: Intersection borgies - 25 Completed to Curve No 25 (595.00 chains) C.C and I.C borgies Completed to Curve No. 26 (611.00 chains) |

(Sigd) Charles R. Dallas
Executive Engineer
S. C. Survey

Executive Engineers office
S. C. Survey
Camp. Shoranur 14th June 1898

(True copy)

Chief Engineer
16.6.98

2 2875 8

AM $\frac{9047}{547}$ 17.6-98

AGENT & MANAGER'S ... No. 9047 17 JUN 1898 MADRAS RAILWAY

Consl Engr

ranur - Cochin final location Survey

Narrative Progress Report of work done to end of May 1898.

| | | |
|---|---|---|
| Staff | Mr Charles. R. Dallas . . | . Executive Engineer |
| | " A. M. Stevenson . . | . Assistant Engineer |
| | T. S. Kolandavaloo Pillay. . . | Surveyor |
| | S. Manikka Chetty . . . | " |

## Remarks

The average daily work done compares favourably with that of April ($16^{ch}$-44) and is accounted for by the alignment being now in country more open and free of jungle: lining through garden land, though it means slow progress for the time, the instrument having constantly to be moved to work on borrowed lines and save cutting down valuable trees does not involve the stoppage to the work by having to clear a way through the scrub jungle, which was so frequently met with on the first Section of the line from Shoranur to Trichur.

## Weather

The weather throughout the month has been very unsettled, there having been rain more or less every day, but the country is still dry and fit to work in: I have however been warned by an official of the Cochin state not to count upon being able to work after the 10th June, as the rainy season may commence on any day from that date to the 15th June and the first burst means about a weeks' continuous rain and necessarily cessation of work.

## Survey

I propose therefore to continue aligning here up to afternoon of 3d June: to leave this on 4th idem for Wadakancheri and realign between 320.00 and 380.00 chains, as stated in my report on Section No 1 forwarded to you on 26th May as it is important that

this

this should be done before closing the survey, having completed this to return to Shoranur and weather permitting to run a section from the Shoranur Railway Station, crossing the existing bridge over the Ponani river and joining on to my alignment at 89.75 chains as in the event of the Cochin State deciding on the junction with the Madras Railway being at the present Shoranur Station, this information will be required: the Diwan of Cochin in his letter No. 3511 dated 20 April 1898. to my address advises that His Highness Government will raise no objection to the road bridges being utilised for the railway "provided arrangements can be made for allowing cart and passenger traffic to use the bridges as well as is done at the Ferôk and Kallai bridges".

## Health

Except cases of fever has been good.

Sd/- Charles R. Dallas
Executive Engineer
Shoranur Cochin Survey.

True Copy

Geo. C. West
Chief Engineer

3

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9047/547

2875
17-6-98

8

Enclosures No 2 to Railway circular No 6 of 1890.

Progress Report of the Shoranur-Cochin final location Survey to end of May 1898.

| Item No | Division | Length + miles | Superior Staff employed on Division | | Progress of work |
|---|---|---|---|---|---|
| 1 | Shoranur-Cochin final location Survey. Shoranur to Ernacolam | 73 | Mr Charles R. Dallas | Executive Engineer | Line chain-pegged + levelled from 755.00 to 1090.00 chains Section I + from 00.00 to 434.00 Section II total 769.00. |
| | | | A. M. Stevenson | Assistant Engineer | |
| | | | T. S. Kolandavaloo Pillay | Surveyor | Detail Survey for 300 ft on each side of line 480.00 to 610.00 chains. |
| | | | G. ManikKa Chetty | Do. | Locks fitting to 949.20 chains: 10 chai Borgies to 820.00. Intersection Borgi to curve No 39: 825.49 chains C.C and T.C Borgies to curve No 39: 826.33 chains |

Executive Engineer's Office
S. C. Survey
Shoranur 14 June 1898

True Copy

Chief Engineer

Sd Charles. R. Dallas
Executive Engineer
S. C. Survey

4
2875 — 8
9097/647
17-6-58
AM

South Indian Railway Company Limited

Progress Report of the Erode Nunjangode Railway Survey to end of April 1898.

| No. | Divisions | Length miles | Superior Staff employed on Division | Progress of work |
|---|---|---|---|---|
| 1 | Erode to Nunjan-gode | 110 | Mr R A Clifford Asst. Engr<br>Mr H P O'Shaughnessy - Engg assist | Country examined 16 miles, Jungle cleared 4 miles, line traced 3½ miles and Survey taken 2 miles. |

Chief Engineers Office
Trichinopoly 13th May 1898

Francis J Smith
Actg Chief Engineer
13.5.98

M Le Mesurier
for Agent

4

2330 of 98
475
13-5-98

South Indian Railway Co. Ld.

Progress Report of the Erode Nunjangode Railway survey to end of May 1898

| Divisions | Length miles | Superior staff employed on Division | Progress of work. |
|---|---|---|---|
| Erode to Nunjangode. | 110 | Mr. R. A. Clifford Asst. Engr.<br>" H. J. O'Shaughnessy — Engg. Asst. | Country examined 22 miles, trial survey taken 2 miles, trial survey plotted 2 miles; jungle cleared 10 miles. Line staked out 9 miles 26 chains, working section taken 6 miles, working survey taken 7 miles 26 chains, working survey plotted 5 miles and check levels taken 8 miles. |
| | | Mr. J. C. Coles Assistt. Engineer | Country examined about 20 miles, trial lines run about 7 miles; jungle cleared 12 miles 20 chains, trial and centre line and 2 miles for River survey and section. Line staked out 5 miles 20 chains, working section taken 1 mile centre line and 2 miles 17 chains. River section; working survey taken 7 miles 6 chains and check levels taken 2 miles 20 chains. |

Chief Engineer's Office
Trichinopoly 10 June 1898

W. Le Mesurier
for Agent

Charles A. Bond.
for Actg. Chief Engineer

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R. Form No. 12.

No. 882, Ry.

Government of Madras.

**PUBLIC WORKS DEPARTMENT,**
RAILWAY BRANCH.

To

The Secy. to the Govt. of India,
P. W. Department.

30th June 1898

Sir,

With reference to your No. 547.R.C. / 6.5.98, I am directed to forward herewith Progress reports for surveys of the following lines of railway for the months of March, April and May, 1898.

Calicut-Cannanore
Shoranur-Cochin.
Nanjangud-Erode.

2. ~~There~~ was no work done in the Nanjangud-Erode Railway during March, 1898.

CMt 28/6/98

Despatched on 5/7/98

R for perusal