

(1) Number of pages \_\_\_\_\_

(2) Date of repair \_\_\_\_\_

(3) Initials of the Referencer \_\_\_\_\_

# MADRAS RECORD OFFICE

Government of Madras

*Public Works* DEPARTMENT

G.O. No. 3135-36 Press  
B.P. No. Mis.

Dated 4-11-1954 6874.

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,  
4th November 1874.*

No. 63. Read the following letter from Lieutenant W. H. COAKER, R.E., Deputy Consulting Engineer for Railways in charge, to Colonel G. W. WALKER, R.E., Secretary to Government, Public Works Department, dated Madras, 16th October 1874, No. 630 :—

In accordance with the Order of Government as per margin, I have the honor to report that at the request of the Agent, South Indian Railway, I have

No. 1,754, dated 24th July 1872. authorized the substitution of bridges of three 20 feet and one 20 feet wrought iron girder openings for the bridge of eight 10 feet arches originally proposed on the 1st mile of District 1, Southern Extension, as the Chief Engineer observed that since submitting his first application he has found that the drainage requirements will be better met by apportioning the waterway in the manner shown above. Mr. Logan adds that his reasons for substituting girders for arches are, "first, that we should save all the labor of dressing arch stones for seven arches, and the bridge will consequently be completed in a much shorter space of time; second, the stone for the arches will have to be carted a considerable distance, whereas the girders will be delivered at the siding and little or no expense be entailed for carting, etc.; third, we have the opportunity of utilizing the girders which are practically lying idle on the open line; and, fourth, on account of the extra available waterway which will be provided if girders are used instead of arches."

2. The two bridges are estimated to cost Rupees 5,414 and Rupees 2,529, respectively, making a total of Rs. 7,943 against a sanction of Rupees 3,956. The additional expenditure of Rs. 3,987 will be met from anticipated savings from earthwork in District 1 and from engineering plant. The value of the

girders transferred from the open line are included in the estimate, and the open line will be credited with the same.

3. As no provision of funds was made in the Budget of the current financial year for the larger bridge, the following transfers have been sanctioned :—

|                                      | From  |         |        |                                             | To    |         |        |
|--------------------------------------|-------|---------|--------|---------------------------------------------|-------|---------|--------|
|                                      | Cash. | Stores. | Total. |                                             | Cash. | Stores. | Total. |
| III.—Earthwork, District No. 1       | 3,933 | ...     | 3,933  | Large bridges at 54 chains, District No. 1. | 3,933 | 1,481   | 5,414  |
| VII.—Station and Office furniture... | ...   | 1,481   | 1,481  |                                             |       |         |        |
|                                      |       |         | 5,414  |                                             |       |         | 5,414  |

No. 64. ORDER THEREON, 4th November 1874, No. 3,135.

RAILWAY, No. 8.

UNDER the circumstances represented the change of design is approved.

Proceedings of the Madras Government, Public Works Department,  
4th November 1874.

2. The letter will be forwarded for the information of the Government of India with reference to the re-appropriation of funds.

(True Extract.)

(Signed) G. W. WALKER, Colonel, R.E.,  
Secretary to Government.

No. 65.

(DOCKET No. 3,136, dated 4th November 1874.)  
Copy of the above forwarded to the Government of India.

(True Extract.)

Colonel, R.E.,  
Secretary to Government.

Railway Department.

CONSULTING ENGINEER'S OFFICE.

No. 630

From *Lieut. W. H. Croaker, R.*  
~~Lieut. Colonel J. H. M. SHAW STEWART, R.E.~~

*By Consulting Engineer for Railways, in charge.*

To

COLONEL G. W. WALKER, R.E.,

Secretary to Government,

Public Works Department.

Fort Saint George.

SIR,

154 dated  
July 1872.

In accordance with the Order of Government as per margin, I have the honour to report that at the request of the Agent South Indian Railway, I have authorised the substitution of bridges of three 20 feet and one 20 feet wrought iron girder openings for the bridge of eight 10 feet arches originally proposed on the first mile of District & Southern extension, as the Chief Engineer observed that since submitting his first application he has found that the drainage requirements will be better met by apportioning the waterway in the manner shown above. W. P. Logan

addls

add that his reasons for substituting girders for arches are '1' that we should save all the labour of dressing arch stones for 7 arches and the bridge will consequently be completed in a much shorter space of time - 2<sup>nd</sup> - the stone for the arches will have to be carted a considerable distance, whereas the girders will be delivered at the siding and little or no expense be entailed for carting &c. 3<sup>rd</sup>. We have the opportunity of utilizing the girders which are practically lying idle on the open line and 4<sup>th</sup>. On account of the extra available waterway which will be provided if girders are used instead of arches.

2. The two bridges are estimated to cost Rs. 5414 and Rs. 2529 respectively making a total of Rs. 7943 against a sanction of Rs. 3956. The additional expenditure Rs. 3987 will be met from anticipated savings from earthwork in

Earthwork District 1 - 2014 - 2014  
 Plan Engineering - 1914 - 1914  
 3988

in District 1 and from Engineering Plant. The value of the girders transferred from the open line are included in the estimate, and the open line will be credited with the same.

3. As no provision of funds was made in the Budget of the current financial year for the larger bridge the following transfers have been sanctioned.

| From                                | Cash | Stores | Total       |
|-------------------------------------|------|--------|-------------|
| III. Earthwork District 1 -         | 3933 | -      | 3933        |
| VII. Station and Office furniture - | -    | 1481   | 1481        |
|                                     |      |        | <u>5414</u> |
| To Large bridges at District 1 -    | 3933 | 1481   | <u>5414</u> |

I have the honour to be  
 Sir  
 your most obedient servant  
 W. C. Cooke  
 Dy. Cons. Eng. for Dy. in charge.

Madras  
 16<sup>th</sup> October  
 1894  
 To District

W. B. Deane

Proceedings of the headra look

Read the following:-

From the Chief Engineer  
for Ryo: } (H.E. No. 630 of 16<sup>th</sup> Oct 194.)

3135

Under the circumstances represented the change of design is approved.

The letter will be for-  
-warded for the infor-  
-mation of the Govt.  
of India with reference  
to the reappropriation  
of funds.

Case of Engineer for Rys: V/H - E. No. 3136 dated  
 Et Ry: Acc: v  
 1. copies despatched 11/11/74.  
 Copy of the above

Copy of the above

Dated 16<sup>th</sup> Dec 1874.  
Recd. 19<sup>th</sup>

To  
The Secretary to Government,  
P. W. Department,  
Fort Saint George.

**From**  
**The Consulting Engineer**  
**for Railway**

**From**

## The Consulting Engineer

**for Railway**

W. L. L. No. 630  
8/13/54

Report that  
8/33-4-15/4

in theory had been  
convinced to do so.

the Great N. & W. Railway  
for the substitution

packages of three 20  
pact and two 20 pact

was left with several  
hundred for the winter  
it ought to feel dried  
in the Southern States.

forwarded to the Govt.  
of India.

Encl.

6526

Govt. of Madras,  
PUBLIC WORKS.

To

The Comdg. Insp.  
Secy. to Govt. of Madras

Dated

Recd.

Encl.

G. O. L. No. 3126  
1874. No. 3136

No. 63-65

Bridges (South Indian  
Railway)

The change  
of design for certain  
Bridges on the S. I. C. C.  
is approved under the  
circumstances reported

3d. Copies despatched 11/4/74.

63-65