

(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. <i>172</i>	Press <u>Mis.</u>
<i>353-354</i> <i>3rd</i>	
Dated <i>15-1-</i>	<i>18 66.</i>

Not to be folded or roughly handled

57.45

Read the following papers :—

No. 353. From the Superintending Engineer, 5th Division, to the Secretary to Government, Department Public Works, dated Salem, 8th December 1865, No. 36.

1 Copy of a letter from the Executive Engineer, Bangalore, No. 680, dated 4th December 1865.

1. I have the honor to forward a copy of a letter from the Executive Engineer, Bangalore, in which he requests that socket pipes may be substituted

for the flanged pipes entered in the indent lately forwarded for the Ulsoor Water Works.

2. The reason given by Captain Tulloch is that he has heard lately that many of the flanged pipes laid down for the Seven Wells Works at Madras have burst, owing to that form of joint not allowing of contraction and expansion in the pipes.

3. I do not recollect any instances of the Seven Well pipes bursting during the three years I was at Madras, and Captain Tulloch states that those laid down by him remained in good order for two years. Considering how much more easily one of a series of flanged pipes is removed and re-placed than one of a series of socket pipes, I do not consider it advisable to alter the Indent already forwarded, unless the recent failure of the pipes at Madras can be traced to the form of the joints, and to the quality of the pipes.

From the Executive Engineer, Bangalore, to the Superintending Engineer, 5th Division, dated Bangalore, 4th December 1865, No. 680.

1. I have the honor to request that, if it is not too late, application may be made to the Secretary of State for India to send out *socket* pipes instead of *flanged* ones, according to the Indents for the Ulsoor Water Works forwarded to you on the 10th July 1865.

2. A simple letter with directions to read "*socket*" for "*flanged*," wherever the latter word occurs in the Indents, is all that is required to enable the manufacturers to understand what they have to supply. As I believe the Indents did not leave Madras till the month of October, it is probable that the order for the pipes and other articles may not have been given to the manufacturers as yet. Even if it has, the flanged pipes, branches and sluice valves could be exchanged for socket ones, without loss to the manufacturers, as these articles are always kept in stock in large quantities.

3. I think it is important to have *socket* pipes, &c., because it has just struck me that in a long line of pipes in India there will be considerable contraction and expansion. If the pipes are socket ones they can contract or expand in some degree, as the joints will admit of it, but if they are flanged there is very little room for either contraction or expansion.

4. As the Government will enquire why I did not think of this before, I beg respectfully to say that it never occurred to me. I laid down the flanged pipes for the Seven Wells Water Works (about two miles long) in 1860, and up to the date of my giving over charge of them* they stood

* In 1863.

remarkably well. I heard accidentally, however, only two days ago, that a great number of them had to be re-placed. I do not know if this is the case or not, but if it is so, the reason occurred to me at once, for the joints themselves I knew to be perfect, having tested every *single* one as the work progressed.

5. I very respectfully beg that you will be pleased, on the above explanation, to urge the substitution of socket pipes, &c. for flanged ones, for the Ulsoor Water Works. The Secretary of State for India might be addressed by the next mail.

Proceedings of the Madras Government, Public Works Department.
15th January 1866.

MEMORANDUM.

With reference to the accompanying papers from the Superintending Engineer of the 5th Division, the undersigned has the honor to request the Superintending Engineer of the 4th Division to be good enough to state whether any of the flange pipes laid down in 1860 for the Seven Wells Water Works have given way, and if so, to what cause their failure is attributable.

FORT SAINT GEORGE,
11th December 1865.

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government, P. W. D.

No. 354. Endorsement of the Superintending Engineer, 4th Division, dated
Madras, 20th December 1865, No. 3,293.
From the Executive Engineer, F. 1.

From the Executive Engineer, Fort Range, Presidency, to the Superintending Engineer, 4th Division, dated Fort Saint George, 18th December 1865, No. 461.

In reference to your Order No. 3,190, dated 14th instant, I have the honor to report that only *one pipe* has given way. The accident occurred last month. The ground sunk, and a small portion of the flange broke.

Submitted to Government, with reference to the Secretary's Public Works Department endorsement, dated 11th December 1865.

(Signed) A. J. M. BOILEAU, Colonel, R. E.,
Superintending Engineer, 4th Division.

No. 355. ORDER THEREON, 15th January 1866, No. 172.

ACCOUNT, No. 31.

A copy of the foregoing letter from the Superintending Engineer of the 4th Division will be furnished to the

Superintending Engineer of the 5th Division, with an intimation that, as only one of the flanged pipes laid down in 1860 for the Seven Wells Water Works at the Presidency is reported to have given way from other causes than weakness of the joint, it does not appear to be necessary to make any alteration of the indent which has been transmitted to England, for the supply of pipes for the Ulsoor Water Project with flanges.

(True Extract.)

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

To the Superintending Engineer, 5th Division

Exd. S. T. Augustin.

7461

Pipes laid down to the Bismarck Wells.

To The Superintending Engineer
4th Division
Madras.

Our reference to your order No.
3190 dated 14th instant. I have the
honor to report that only one pipe has
given way. The accident occurred last
month. The ground sunk and a
small portion of the flange broke.

I have the honor to be
Sir,

Your most Obedt. Servant

Mr. Edwards Captain R.E.

Executive Engineer & R.

Fort St. George
3 December
1865-3

N^o 3293

Submitted to Govt. with reference to the
Secretary's M.D. endorsement dated 11 Decr 1865.

Boileau joined, R.E.
taken 25/12

L.S. Apper 4/12
20 Decr 1865

From
The Ex. Engr. R.

To
The Supr. Engr. R.

Dated 18th Decr 1865

20 Decr 1865
C. S. Apper

Reporting that one
of the pipes laid down
to the Sewer works has
given way last month

N^o 680. Executive Eng^r Office.
Bangalore, 4th Decr 1865.

From
The Executive Engineer
Bangalore.

To
The Superintending Engineer
5th Division

Sir,
I have the honor to request that,
if it is not too late, application may
be made to the Secretary of State
for India to send out socket pipes
instead of flanged ones according to
the Indents for the Missor Water Works
forwarded to you on the 10th July 1865.

A simple letter with directions
to read "socket" for "flanged" wherever
the latter word occurs in the Indents
is all that is required to enable the
manufacturers to understand what they
have to supply. As I believe the Indents
did not leave Madras till the month
of October, it is probable that the
Order for the pipes and other articles
may not have been given to the
manufacturers as yet. Even if it has,
the flanged pipes, branches and sluice
valves could be exchanged for socket
pipes

ones without loss to the manufacturers as these articles are always kept in stock in large quantities.

I think it is important to have socket pipes ~~for~~ because it has just struck me that in a long line of pipes in India there will be considerable contraction and expansion. If the pipes are socket ones they can contract or expand in some degree, as the joints will admit of it, but if they are flanged there is very little room for either contraction or expansion.

As the Government will enquire why I did not think of this before, I beg respectfully to say that it never occurred to me. I laid down the flanged pipes for the Seren Wells Water Works (about 2 miles long), in 1860 and up to the date of my giving over charge of them they ^{in 1862} stood remarkably well. I heard accidentally however only two days ago that a great number of them had to be replaced. I do not know if this is the case or not, but if it is so, the reason occurred to me at once, for

for the joints themselves I know to be perfect, having tested every single one as the work progressed.

I very respectfully beg that you will be pleased on the above explanation to urge the substitution of socket pipes ~~for~~ for flanged ones for the Meer Water Works. The Secretary of State for India might be addressed by the next mail.

I have &c
(Signed) H. Tulloch Capt. R.E.
Executive Eng^r Bangalore

(A True Copy)

E. A. Smith Lt. Col. R.E.
Super Engineer 5th Divⁿ

No 36

Supg. Engr's Office 5th Bn
Calcutta, 8th December, 1865.

From

Sir, Col. E. A. Ford R.E.

Superintg. Engineer 5th Division

To

Colonel C. S. Br R.E.

Secretary to Government A.D.W.

W 3

Enclosure One.

Copy of a letter from
the Executive
Engineer Bangalore
No 680 dated
4th December 1865.

I have the honor to forward a copy of a letter from the Executive Engineer Bangalore in which he requests that socket pipes may be substituted for the flanged pipes entered in the Indent lately forwarded for the Meer Water Works.

2. The reason given by Captain Tulloch is that he has heard lately that many of the flanged pipes laid down for the Sewer Wells Works at Madras have burst owing to short form of joint not allowing of contraction and expansion in the pipes.

3. I do not recollect any instances of the Sewer Wells pipes bursting during the three years I was at Madras, and Captain Tulloch states that those laid down by him remained in good order for two years.

Considering

3708
1865

Enclosure in letter from
the Supg. Engineer 5th Bn
to the Secretary to
Government A.D.W. No
36 dated 8th December
1865.

114
Considering how much more easily one of
a series of flanged pipes is removed
and replaced than one of a series
of socket pipes I do not consider it
advisable to alter the indent already
forwarded, unless the recent failure
of the pipes at Madras can be
traced to the form of the
joints and not to the quality
of the pipes.

Shave the honor ble,

^{Yrs}
Your most Obedient
Servant

I am Sir, F. Col. R. L.
Superintending Engineer S. A. A.

101

27 1860 Date
Proc. of Gen. of the
from 4908

The Supy: Engineer
to the Secretary of
Government
R. M.

Noted 8th
Recd 11th December 1860

No 36 with the
Enclosure.
7733700/65

submitting with the
- make copy of a letter from
the Executive Engineer Bangalore
requesting that the
of the substituted for the
changed figures in the
indent forwarded for
the Works State Works.

240 172-1500 Aug 1865

15-12-65
For N. H. H. H. H.
Attention
With reference to the
- having been from the
- having been from the
the Works Engineer
request the Superintendent Engineer
of the 4th Division to be good enough
to state whether any of the
specimens found in 1860 for the
Works State Works have given way
and if so to what cause their position
is attributable.

For the Secretary
11th December 1865
Colonel R. M.
Secretary to Govt
Bengal

The Superintendent Engineer
of the 4th Division
Reports to be returned

5th Octr 1865 No 106-110

9th 1865 Dep't
of Govt. of Madras
From H. E. S. P. B.
The Sup'g Engr. to Govt.

To The Secretary
to Government Madras
dated 20th Decr 65
Recd. 21 Decr 65
No. 3293.

Forwarding letter
from the Executive Engr.
Engineer Fort Range
with 2 Original Enclos.
regarding Pipes laid
down for the Seven Wells
water works.

No. 354

5th Jan'y 1866 No 810

No. 172-15th Jan'y 1866

Public Works Department
No 172-15th Jan'y 1866

Proceedings of the Madras Government
under date the 15th January 1866.
~~December 1865~~

Read the following

From the Superintending Engineer
of the 5th Division

Submitting with remarks copy of a
letter from the Executive Engineer Bangalore
requesting docked pipes to be substituted for
flanged pipes in the indent forwarded for
the Seven Wells water works.

From the Superintending Engineer
of the 4th Division
Do Do Do

(H. E. 20th December 1865 No 3293)

A copy of the foregoing letter from
the Superintending Engineer of the 4th
Division will be furnished to the
Super Engineer of the 5th Division with
an intimation that, as only one of
the flanged pipes laid down in 1860
for the Seven Wells water works at the
Presidency is reported to have given
way from other causes than breakage
of the joint, it does not appear to be
necessary to make any alteration of
the Indent which has been
transmitted to England for the
supply of pipes for the Seven Wells
Project with flanges -

W. H.

The Sup'g Engr. - 5th Division

Do. 16th Jan'y - 16

A. B.

27/1866 John
Geo. of Goodfellow

John Geo. of Goodfellow
27/1866

Letter for the Alderbury
Baptist. The date. Aug 5. 1866.
informed that there is no answer
yet for making any alterations
to the United Church has been trans-
mitted to England for the supply
of.

1866 2000