Bundle 7

(1) பக்கங்களின் எண்ணிக்கை 12

(2) புதுக்கித் திருப்பிய நாள் மிஷ்ஷவரி 1991

(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம்

(GOMs 1250 — 1366)

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

PWD துறை

113

அரசாணை எண்.
~~மு. கோப்புத் தாள் எண்.~~ 1250 ~~அட்டகம்~~ ~~எண்ணிகை~~

நாள் : 20-4-1892 ~~108~~

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

6 Sheets

ஆவண கா-1—18,006—15-6-87.

(6)

1250/1

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following paper:—

From the Director-General of Stores, India Office, to the Secretary to the Government of Madras, Public Works Department, dated Whitehall, S.W., 25th March 1892, No. S. 15502.

With reference to the indent for a fire engine, &c., received with your letter No. 606 W., dated 3rd March 1891, I have the honour to enclose, for the guidance of the officer concerned, a copy of a letter, dated 19th March 1892, from Messrs. Shand, Mason and Co., which gives particulars of the tests made with the engine, which they have supplied.

2. The engine is now ready for shipment and will be despatched at the earliest opportunity. The delay has been on the part of the contractors who have been repeatedly urged to make earlier delivery.

ENCLOSURE.

From Messrs. SHAND, MASON AND CO., to the Director-General of Stores, India Office, Whitehall, S.W., dated Upper Ground Street, Blackfriars Road, 19th March 1892, No. S. 2041.

In accordance with the promise we made in our letter of the 24th February, we now hand you the following particulars of the tests made before your inspectors on the 8th instant of the double cylinder steam fire engine which we are supplying to your order.

Cold water in boiler and from time of lighting the fire a steam pressure was obtained of—

5 lb.	in 3	minutes	10	seconds.
10 „	in 3	„	33	„
20 „	in 4	„	11	„
30 „	in 4	„	45	„
60 „	in 5	„	25	„
100 „	in 5	„	56	„

We have a measuring tank which contains 100 gallons for every 6 inch in depth and can direct a jet either into this tank or to waste by means of a lever. With 120 lb. of steam and 160 lb. of water pressure and $1\frac{3}{8}$ inch jet, we delivered 450 gallons into the tank.

With 120 lb. of steam, 120 lb. of water pressure, and $1\frac{3}{8}$ inch jet we delivered 494 gallons per minute.

As we stipulated the engine would deliver 450 gallons per minute, we think the above results are worthy of notice.

With 110 lb. of steam, 120 lb. water pressure, $1\frac{1}{4}$ inch jet, the water was thrown to a height of 160 feet, this being measured against the shaft of our works. No doubt a greater height would have been obtained if we could have run continuously for a few minutes, but this is impossible as our neighbours complain of the water which is carried by the wind into their premises.

We trust to again receive your esteemed orders and shall always do our utmost to merit their continuance.

ORDER—dated 20th April 1892, No. 1250 W., Public Works.

Communicated to the Consulting Architect with reference to G.O., No. 605 W., dated 3rd March 1891.

(True Extract.)

Major, R.E.,
Under-Secy. to Govt., P.W.D.

To the Consulting Architect to Government.

Exd. S. J. Pereira.
Spare Copies

1250/2

GENERAL.
ACCOUNT.

Govt. of {1892} Madras.

PUBLIC WORKS.

Dated April, 20th.

Recd.

Encl.

G.O., 20th April 1892, No. 1250 W.

APRIL

Fire Engine

Letter from the Director-General of Stores, India Office, enclosing copy of a letter giving particulars of the tests made with the — under provision for the protection of the public offices at Chepâk, communicated to the Consulting Architect.

DUPLICATE

2583

L. 15502.

25th March 1892.

1250/93

Sir,

With reference to the indent for a fire engine &c. received with your letter No. 606 W, dated 3rd March 1891, I have the honor to enclose, for the guidance of the officer concerned, a copy of a letter dated 19th March 1892, from Messrs. Shand, Mason & Co. which gives particulars of the tests made with the engine, which they have supplied.

The engine is now ready for shipment and will be despatched at the earliest opportunity. The delay has been on the part of the contractors who have been repeatedly urged to make earlier delivery.

I have the honor to be,

Sir,

Your obedient servant,

J. PARKER

Director General of Stores.

The Secretary to Government,
Public Works Department,
Madras.

P. W. CURRENT No. 3965/92

L. 2041.

Upper Ground Street,
Blackfriars Road.
March 19th, 1892.

The Director General of Stores
India Office, Whitehall, S.W.

12/5/92

Sir,

In accordance with the promise we made in our letter of the 24th February, we now hand you the following particulars of the tests made before your Inspectors on the 8th inst. of the Double Cylinder Steam Fire Engine which we are supplying to your order:-

Cold water in boiler, and from time of lighting the fire a steam pressure was obtained of:-

5 lb.	in 3	minutes 10	seconds
10 .	1	. 33	.
20 .	4	. 11	.
30 .	4	. 45	.
60 .	5	. 25	.
100 .	5	. 56	.

We have a working tank which contains 100 gallons for every 6 inch in depth, and can direct a jet either into this tank or to waste by means of a lever. With 120 lb. of steam and 160 lb. of Water pressure, and 1 3/8" jet, we delivered 450 gallons into the tank.

With 120 lb. of steam, 120 lb. of Water pressure, and 1 5/8" jet we delivered 494 gallons per minute.

As we stipulated the Engine would deliver 450 gallons per minute, we think the above results are worthy of notice.

With 110 lb. of steam, 120 lb water pressure 1 1/4" jet, the water was thrown to a height of 160 feet, this being measured against the shaft of our works. No doubt

a

a greater height would have been obtained if we could have run continuously for a few minutes, but this is impossible as our neighbours complain of the water which is carried by the wind into their premises.

We trust to again receive your esteemed orders, and shall always do our utmost to merit their continuance.

We are &c.,

Hdf. Shand, Mason & Co.

1255/5

12-50/6

Sec. 3965

Code of 1802 Madras.

PUBLIC WORKS.

Dated

Rec'd

Encl.

20 April 2 1950.

Fire Engine

Letter from the Director General of Stores, India office, enclosing copy of a letter giving particulars of the tests made with the ~~under~~ modern provision for the protection of the public offices at Lehepah, consd. to the Consg. Architect.

(6)

40/2

J.C. 2/54 J. 20/6