M.R.O. 14—13,000—27-6-24

MADRAS RECORD OFFICE.

Government of Madras.

Revenue DEPARTMENT.

G.O. No.	1171	Press Mis.
671-672 Dated	30-4-	1868.

Not to be folded or roughly handled

No. 691. Read the following letter from the Honorary Secretary to the Government Farm Committee, to the Secretary to Government, Revenue Department, Fort St. George, dated Madras, 21st April 1868:—

1. In continuation of my letter No. 313, of the 13th March 1868, I have the honor to inform you that the improved pump referred to in paragraph 4 has been finished.

2. It was fixed temporarily in a well in the yard of the Mint, and worked most satisfactorily; since then it has been sent up to the Farm, but as the embankment of the well, where it is now placed, requires raising and alteration, the pump cannot be worked there for six weeks or two months longer.

3. The model, I have since been informed by the Mint-master, is made on the plan of the improved pump, not the original, as I had supposed.

4. The difference between the two pumps is, that only one-third of the power of a common pair of bullocks is utilized by the original pump, and about 30,000 gallons of water brought up by them in a working day of eight hours; whereas by the improved pump, two-thirds of the power of the bullocks will be utilized, and double the quantity of water raised in the same time.

5. I discovered, quite accidentally, one morning last October, that the bullocks were not working nearly up to their power, and asked Colonel Carpendale, after having had a calculation made as to the actual power expended, whether by increasing the size of one of the wheels, more work could not be got out of the bullocks, though only walking at the same speed. There was at the Farm a spare chain of buckets, which I sent to the Mint, and the result is that the alteration is perfectly successful, and makes the improved pump equal to 10½ pecottahs, instead of 5¼, as shown in paragraph 22 of my report on the Government Farm for 1866-67, of October 14th 1867.

6. The sum paid to the Mint for the work done was only Rupees 271-12-0, as the chain and buckets were provided by the Farm, but Colonel Carpendale roughly estimates that he can make a similar pump with forty buckets for about Rupees 460.

7. Probably the Government of Bombay can get a pump made there from the model for about the same price, but with all due deference, I should recommend that a pump be made at the Mint for the Bombay Government, as it will be much better than any model, and sent by sea to Bombay.

No. 692. Order thereon, 30th April 1868, No. 1,171.

Miscellaneous

1. The Government request that the working model may be packed ready for transmission to Bombay; but as so much time has elapsed since the order for it was given, the Government are of opinion that its despatch had now better be deferred until a new pump has been practically tested at the Farm, and its power and cost of working determined.

Proceedings of the Madras Government, Revenue Department,
30th April 1868.

2. When this has been done, the Government desire that the result may be reported to them with a statement in the same form as that given at paragraph 22 of the Committee's report for 1866-67 regarding the original pump, for transmission with the working model to the Bombay Government.

(True Extract.)

(Signed) W. HUDLESTON,

Secretary to Government.

To the Honorary Secretary to the Government Farm Committee.

24 January 67 No 490-491
24 November — 551/57
16 March 68 — 253/54

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Revenue 1868. Dept.
Prov. of Grant for April
No 1338.

From
The Hony. Secty. Govt.
Fort St. George

Dated 21st April
Recd 22nd " 1868.

No 1171 - 30 April

Reporting on the working of the Pumps used at the Mint and requesting that a Pump may be made at the Mint for the Bombay Govt as being better adapted for use on board ship than the Pumps made by Messrs Bramah & Bombay

A. 691 & 692

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of the
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To the H

[illegible] Secretary to Govt
[illegible] Committee

31 April 68

6 Copies Letter Bombay Govt & the Govt
Frank Committee