

(1) Number of pages 16
(2) Date of repair 16-89
(3) Initials of the Referencer D ✓

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

P. W. DEPARTMENT

G.O. No. 978-W
B.P. No.

Press.
Mis.

Dated 24-4-1885 198.

V. S. M.

Not to be folded or roughly handled.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

READ—the following letter from Colonel J. BEATTY, R.E., Superintending Engineer, IV Circle, to the Chief Engineer, Public Works Department, dated Ootacamund, 9th April 1885, No. 148 E.W. :—

I have the honor to forward, herewith, a report* from the Executive Engineer, Nilgiris, giving the result of his inquiries and observations on the subject of machinery and water-power for the Wellington bakery; and as it now seems probable the water-power will be ample for nine months in the year, and that sufficient flour may be ground in the good months to last through the dry months, I request your sanction to commence building the bakery in the site already selected near Wellington bazaar.

* Letter, No. 36, of 8th April 1885.

ENCLOSURE.

From Major A. C. SMITH, Executive Engineer, Nilgiri division, to the Superintending Engineer, IV Circle, dated Ootacamund, 8th April 1885, No. 36.

In reply to your, No. ^{13 C}/_{N.T.}, of 1st instant, I have the honor to report that I have ascertained from the Deputy Assistant Commissary-General, Wellington, that the amount of flour required to be turned out daily is 300 lb., and that, to produce this, about 1,200 lb. of wheat would be required to be ground daily.

2. I have ascertained from Messrs. Richardson and Cruddas, Agents to Messrs. Clayton and Shuttleworth, Millwrights, England, that their firm have now some small mills with 36-inch stones capable of turning out 120 lb. of flour per hour, and that the average power to turn this and the dressing machine is only 3-horse power, price in Bombay, including small dressing machine, Rs. 1675.

3. Messrs. Richardson and Cruddas also confirm my opinion regarding the application of bullock-power. They say: "As regards the drawing of flour-grinding machinery by bullock-power, we beg to inform you that all the English makers are of opinion that the motion transmitted would be irregular and intermittent; and that mills so drawn would not work satisfactorily."

4. The Deputy Assistant Commissary-General also informs me that he would prefer that the kneading should be done by machinery, but bullock-power could be applied to this in case water-power failed, as one pair of bullocks will knead 100 lb. an hour, I believe.

5. The quantity of water gaged on 31st March as passing down the stream at Wellington is about $7\frac{1}{2}$ cubic feet per second, which, with a 20 feet wheel, would give us about 10-horse power.

6. In the dry months this will of course diminish, but the chances are we may get sufficient water to work the small mill for nine months, and in favorable years for a longer period even, so that we might for this short period, at any rate, try bullock-power; but I believe no experiments have been made as to storing flour on these hills, and if this is feasible, sufficient flour might be ground in the good months and stored for use in the dry months.

ORDER—dated 24th April 1885, No. 978 W., Public Works.

The Superintending Engineer, IV Circle, is authorised to commence the construction of the Wellington bakery on the site selected near the bazaar.

2. The Commissary-General will be requested, in the Military Department, to ascertain by experiment whether it is possible to store flour at Wellington, as suggested by the Executive Engineer.

(True Extract.)

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

To the Superintending Engineer, IV Circle.
„ Military Department.

Exd. R. Fernandez.
Spare Copies

978
2

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of (1885) Madras.

PUBLIC WORKS.

Dated April, 24th.

Recd.

Encl.

G.O., 24th April 1885, No. 978 W.

APRIL.

Wellington Bakery

Instructions for commencement of — on
the site selected near the bazaar.

N^o 148
W.

From

Supg. Engineer's Office IV Circle
Camp Ootacamund 9th April 1885.

918

The Superintending Engineer
IV Circle

To

The Chief Engineer
P. W. Department

Sir,

Enclosure 1.

Letter No 36 of
8th April 1885.

I have the honor to forward herewith a report from the Executive Engineer Nilgiris giving the result of his enquiries and observations on the subject of machinery and water power for the Wellington Bakery and as it now seems probable the water power will be ample for nine months in the year, and that sufficient flour may be ground in the good months to last through the dry months, I request your sanction to commence building the Bakery in the site already selected near Wellington Bazaar.

I have the honor to be,

Sir,

Your most obed^t servt,

L. Beatty. Col. R.E.
Superintending Engineer IV Circle.

N^o 36 Nilgiri Division Office
Ootacamund 8th April 1885.

From,
The Executive Engineer,
Nilgiri Division;

To,
The Superintending Engineer,
IV Circle;

Sir,

In reply to your N^o $\frac{12C}{N.I}$ of 1st instant, I have the honor to report that I have ascertained from the Deputy Assistant Commissary General Welington that the amount of flour required to be turned out daily is 800 lbs, and that to produce this about 1200 lbs of wheat would be required to be ground daily.

2. I have ascertained from Messrs Richardson & Cruddas Agents to Messrs Clayton & Shuttleworth Millwrights & England that their firm have now some small mills with 36" stones &

Capable

capable of turning out 120 lbs of flour per hour and that the average power to turn this and the dressing machine is only 3 H.P. Price in Bombay including small dressing machine Rupees 1675.

3. Messrs Richardson & Cruddace also confirm my opinion regarding the application of Bullock power; they say "as regards the drawing of flour grinding machinery by bullock power, we beg to inform you that all the English makers are of opinion that the motion transmitted would be irregular and intermittent; and that mills so drawn would not work satisfactorily."

4. The Deputy Assistant Commissary General also informs me that he would prefer that the kneading should be done by machinery, but bullock power could be applied to this in case water power failed as 1 pair bullocks

bullocks will knead 100 lbs an hour, I believe.

5. The quantity of water gauged on 31st March as passing down the stream at Wellington is about $7\frac{1}{2}$ Cft per second which with a 20 foot wheel would give us about 10 H.P.

6 In the dry months this will of course diminish; but the chances are we may get sufficient water to work the small mill for 9 months and in favorable years for a longer period even, so that we might for this short period at any rate try Bullock power. But I believe no experiments have been made as to storing flour on these hills and if this is feasible sufficient flour might be ground in the good months and stored for use in the dry months.

I have the honor to be
Sir
Your most obedient servant
Albion Major R.E.
Executive Engineer



From

The Executive Engineer

Nilgiri Division

No 36

Dated 8th April 1885.

Enclosed

Wellington Bakery

Reports the amount
of flour to be turned out
daily at —

978
4

Q.6. No 1839 W. 29. 7. 84
Q.6. No 2440 W. 2. 10. 84
Q.6. No 2589 W. 22. 10. 84
" " 2668 W. 29. 10. 84
" " 3147 W. 20. 12. 84

From
The Supg. Engineer
IV Circle.

Dated 9th April 1885.
Despd. 11
Recd. 15

No. 148
W.

Enclosure. one.

Wellington Bakery -
Requests permission
to commence the
buildings on the
site selected near
Wellington Bazaar

Cd.
14. 4. 85

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 24th April 1885

Read the following

Letter from the S.E. IV Circle (A.E. No. 148 of April 9th 1885)

The Suptg. Engineer IV
Circle is authorised to commence
the construction of the Wellington
bakery, on the site selected
near the Bazaar.

2. The Commisary
General will be requested,
in the Military Department,
to ascertain by experiment
whether it is possible to
store flour at Wellington,
as suggested by the

Executive

Executive Engineer

W

24-4-83

For

with 24-4-83

HC

BW

SE IV Circle in md
despt 24/4

Military dept ✓
5/5/83

The Secretary Military Dept
for favour of counterintention

E. E. S. 24/4/83

978
8

3306

Govt. of Madras.

PUBLIC WORKS.

28/4/82

Dated

Recd.

Encl.

24 Apr

G.O.

1885, No.

Wellington Park

Instructions for the
commencement of
the work on the
Bazaar.

60
4

1882

28/4/82