(1) Number of pages 14

9 (2) Date of repair 17-8-88

(3) Initials of the Reiferencer bms

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

P.W.D DEPARTMENT

G.O. No. / B.P. No.	2589	Press. / Mis.
Dated	22 · 60 · 1884	19 98 .

6+1=7

Ch.4

Not to be folded or roughly handled.

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Archives — 1 10,006-9 80

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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 Coimbatore, 13th October 1884, No. 471 E.W. :—

With reference to G.O., No. 2440 W., of 2nd instant, I have the honor to report that, as the water-supply of Coonoor is occasionally scanty in the dry season, it has hitherto been considered certain that there would not be enough water to work the bakery machinery for some months in the dry season.

2. Major Smith is now of opinion, as will be seen by his letter,* copy of which I send, that even in the monsoon months the supply is doubtful.

* No. 351 of 11th October 1884.

3. The only way to settle the matter is to gauge the supply in the stream for a period of six months and compare it with the rainfall.

4. I have requested the Executive Engineer to submit an estimate for an overfall weir and for gauging.

ENCLOSURE.

From Major A. C. SMITH, R.E., Executive Engineer, Nilgiri Division, to the Superintending Engineer, IV Circle, dated Cherambádi, 11th October 1884, No. 351.

With reference to your endorsement, No. 481 N.I., of 6th instant, I have the honor to report that my remark that "the water power" for the proposed bakery, Wellington, "is doubtful" is based upon the fact that the turbine set up by Messrs. Groves and Co. on the same stream, but lower down at Coonoor, has only just sufficient water to work it in dry months, and the bakery site is situated *above* a large stream that supplements the supply to the turbine.

2. A *water wheel* was proposed for the bakery and sanctioned in G.O., No. 1838 W., of 29th July 1884, and when inspected, the site in September last then certainly was not sufficient water to work a water wheel. A turbine has been suggested as requiring less water, but even supposing we could get sufficient head and fall to work a turbine, I still have my doubts as to sufficiency of water in what may be called *the dry months*, supposing September to be a *wet month*.

3. It would of course be a very simple matter as suggested (in his letter, No. 3136, of 4th September 1884) by the Commissary-General (paragraph 5), to decide the question for any one month by gauging the stream; but as no observations have been taken for one month even—let alone a full year—he would be a bold man, who would assert that the water-supply were sufficient, and Mr. Larminie in his No. 573, of 27th February 1884, to your address states (paragraph 9) "for a short time during the dry season the supply would be scanty."

4. As I am under the impression that the grinding process will have to be carried on uninterruptedly throughout the year, I am obliged to doubt the efficacy of the water power for the purpose.

5. The buildings can be constructed, but I should certainly advise the machinery question to lie over until we have fully investigated the amount of water likely to be at our disposal.

6. In order to do this, an overfall weir would have to be constructed at the proposed site for the dam and the water carefully gauged throughout the coming dry season.

7. If good results are obtained, we can then arrange for water power, if not steam machinery will have to be allowed. I am inclined to think the latter will be necessitated, especially if the mill is to work all the year round.

Order—dated 22nd October 1884, No. 2589 W., Public Works.

Communicated to the Military Department.

2. The estimate referred to in paragraph 4 of the Superintending Engineer's letter should be submitted without delay.

(True Extract.)

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

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

Exd. A. Grubert.
Spare Copies

2589/2

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BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of Madras.

1884

PUBLIC WORKS.

Dated October, 22nd.

Recd. *Encl.*

G.O., 22nd Oct. 1884, No. 2589 W.

OCTOBER.

Bakery at Wellington

Letter from the Superintending Engineer reporting on the subject of the water power required to work the machinery of the —, communicated to the Military Department.

No. 471 / 20 W.

Supg. Engineer's Office, 4th Circle.
Coimbatore, 13th October 1884.

2589 / 3

From

The Superintending Engineer,
Fourth Circle.

To

The Chief Engineer,
P. W. Department.

Sir,

With reference to G.O. No. 2440 W of 2nd Instant, I have the honor to report that as the water supply of Coonoor is occasionally scanty in the dry season, it has hitherto been considered certain that there would not be enough water to work the Bakery Machinery for some months in the dry season.

Encls: 1.

2. Major Smith is now of opinion, as will be seen by his letter, copy of which I send, that even in the monsoon months the supply is doubtful.

x No: 357 of 11th Octr: 1884.

3. The only way to settle the matter is

is to gauge the supply in the stream for a period of six months and compare it with the rainfall.

4. I have requested the Executive Engineer to submit an estimate for an overfall weir and for gauging.

I have the honor to be,
Sir,
Your most Obedt. servant

L. Beatty Lt. Col. R.E.,
Supg. Engineer, 4th Circle.

No. 357. Executive Engineer's Office
Camp Perambadi 11th Octr. 84.

From: The Executive Engineer
Nilgiri Division

To. The Superintending Engineer
IV Circle.

Sir,

With reference to your endorsement No. 431/N.I of 6th instant I have the honor to report that my remark that "the water power" for the proposed Bakery Wellington "is doubtful" is based upon the fact that the turbine set up by Messrs Groves & Co on the same stream, but lower down at Coonoor has only just sufficient water to work it in dry months and the Bakery site is situated above a large stream that supplements the supply to the turbine.

2. A water wheel was proposed for the Bakery and sanctioned in

G. O.

G.O. 1838 W / 29-7-84 and when I inspected the site in September last there certainly was not sufficient water to work a water wheel. A turbine has been suggested as requiring less water but even supposing we could get sufficient head and fall to work a turbine I still have my doubts as to sufficiency of water in what may be called the dry months, supposing September to be a wet month.

3. It would of course be a very simple matter as suggested (in his letter d/d. 3136 / 4-9-84) by the Commissary General (para 5) to decide the question for any one month by gauging the stream, but as no observations have been taken for one month even - let alone a full year - he would be a bold man who would assert that the water supply were sufficient and Mr Lamine in his l/r. 573 / 27-2-84 to your address states (para 9) that for

"for a short time during the dry season the supply would be scanty".

4. As I am under the impression that the grinding process will have to be carried on uninterruptedly throughout the year I am obliged to doubt the efficacy of the water power for the purpose. 2589/5

5. The buildings can be constructed but I should certainly advise the machinery question to lie over until we have fully investigated the amount of water likely to be at our disposal.

6. In order to do this an overfall weir would have to be constructed at the proposed site for the dam and the water carefully guaged throughout the coming dry season.

7. If good results are obtained we can then arrange for water power, if not steam or machinery will have to be followed. I am inclined to think

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that

Encl: to Sub Collr letter No 4471 dt 13/10/24
C.M.

the batter will be necessitated
Especially if the mill is to work
all the year round.

Thave &c &c.

Signed A.C. Smith Major R.E.
Executive Engineer

(True copy)

P. Beatty Colonel R.E.
Superintending Engineer 4th Circle.

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" " 2000 W. - 1 22 - 83.
" " 8388 W. - 31-3-84
" " 1839 W. - 29-7-84
B-No 2440/2441 W.O. 2-10-84.

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B.T.R.
Mtg wks

From
The Supg. Engineer
IV Circle

Communicated to the
Military Department.
2. The Estimate required
in para 4 of the
Supt Engineer's letter
should be submitted
without delay.

Dated 13th }
Desp.d 15th } October 1884
Rec.d }

No. 471
C.W.

CH.
15-10-84

M.
20.10.84

Encl. One

BW

D
20/10

Proposed Wellington
Bakery.

To the Mily. Dept. V
" Lt. Col. IV Circle.

Forwards for information letter
from the Executive Engineer on the insufficient supply of water
to work a waterwheel.

O.S. 634

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Govt. of [1884] Madras.

PUBLIC WORKS.

(6)

Dated 25/11/84

Rect. Encl.

G.O. 22 Pub 1884, No. 2582-85

Railway at Walajapet

Letter from the Collector
Chingleput matter referred
to Govt. by Divisional Per-
manent Work Committee
Proceedings of the
Committee and Plan by Capt.

50
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Jk 23/10 [illegible]