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MADRAS RECORD OFFICE.**Government of Madras.***public works* **DEPARTMENT.**

G.O. No.

3561

Press

~~Mis.~~

255-256

Dated

13-12-

1864.

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
13th December 1864.*

No. 255. Read the following letter from Major E. J. LAWDER, Deputy Quarter Master General, to Colonel H. MARSHALL, Secretary to Government, Military Department, dated Fort Saint George, 19th November 1864, No. 10,458:—

SIR,

Adverting to Order of Government No. 2,000, dated 11th June 1864, I have the honor, by order of His Excellency the Commander-in-Chief, to state that on the 28th May the Superintending Engineer, 4th Division, was informed of the positions which His Excellency considered the several Ordnance Manufacturing Establishments should occupy at the Mount. He was, at the same time, requested to have an accurate survey of the plain, between the Mount and Palaveram, and of the spurs of the two Ranges of Hills called "The Mount" prepared at once on a large scale, in order that as soon as the arrangements for the supply of water to the several buildings were communicated to him, the position of each building might be laid down with reference to the general instructions conveyed to him from the Commander-in-Chief.

2. Until the question of the water supply has been decided, the Commander-in-Chief considers it will be useless to proceed with marking out sites or taking any active steps in laying out the new ground.

3. I am therefore to solicit the early consideration of the subject by Government, and beg

No. 41, dated 8th November 1864. to forward an original letter from Mr. Fraser, Special Executive Engineer, relating to it.

From W. FRASER, Esq., C. E., Special Executive Engineer, to the Quarter Master General, Fort Saint George, dated Church Park, Mount Road, 8th November 1864, No. 41.

SIR,

In reply to your letter No. 9,433, dated 20th October 1864, I have the honor to state that having had the levels, &c., completed I walked over the site of the proposed buildings at the Mount with Captain Rogers, R. E., and I have to make the following remarks which I trust will be satisfactory to His Excellency the Commander-in-Chief.

2. As the designs for the several buildings have not yet been completed, nor the actual sites settled on, it is impossible to do more now than to describe generally how the site and buildings may be supplied with water, and whether the supply is certain to be constant and sufficiently abundant.

3. The plain selected for the buildings is bounded on the north-west by the Adyar river from which the supply of water must be taken, as I do not think that the large quantity of water which must be provided could be procured from wells.

The highest point of the plain is near the south-east angle from which the ground descends by easy inclinations to the Palaveram road and to the river: this point is about 33 feet in height above the bed of the river.

4. From the general height of the plain it would be impossible to get water to flow over it from the Adyar unless it was raised 30 to 40 feet above the bed at the nearest point of the river, and if raised so high as this a great deal of valuable land would be inundated.

About three miles higher up the river are the ruins of the Pammal tank through a breach is the bund of which the river now flows. The bed of this old tank is about 20 feet below the level of the highest part of the plain, and about 10 feet below its average heights so that even so high up as the old Pammal tank the water should be raised to a considerable height above the bed of the river before it would flow over the plain; but here also there is an objection to any great elevation of the water, as the bed of the old tank is for the most part now under cultivation.

5. Under these circumstances Pumping Machinery must be used to raise the water from the nearest part of the river which is about 1,000 yards from the highest part of the plain. A sufficiency of water can be stored in the Pammal tank and in one or more tanks to be constructed on the river lower down. It is probable also that the large tank at Chembrambakkam (which at present drains into the Adyar) can be enlarged.

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In this way I have no doubt but that an abundant supply can be provided, at no very great cost.

The site will admit of a Basin being constructed on the highest point from which pipes can be led to every part, and from which water can be raised into a small cistern so that fire-plugs could be kept constantly under pressure.

Should you require any further information I can furnish it without delay, now that the levels are completed.

Transferred to the Department Public Works, with reference to the Order in the Military Department, No. 2,000, dated 11th June 1864.

FORT SAINT GEORGE,
22nd November 1864.

(Signed) R. HAMILTON, Lieut.-Colonel,
Under Secretary to Government.

No. 256. ORDER THEREON, 13th December 1864, No. 3,561.

As it will be necessary, under any circumstances, to resort to pumping in order to obtain a supply of water for the several Ordnance Manufacturing Establishments proposed to be located on the plain between the Mount and Palaveram, the Government are of opinion that the consideration of the question of water supply may be deferred until the sites of the buildings have been determined and the plans of them prepared.

(True Extract.)

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

To the Military Department.

„ Quarter Master General.

„ Superintending Engineer, 4th Division.

Exd. T. O'Connor.

1861
 No. of Good for 2000
 1861

The 11th Dec 1857
 A. H. Cox, Esq.
 20th Nov

Reed 2.3-6 Nov/64

8/1

Vol. 3561-134 Dec 3 1864
New Jersey

From the 28th of March 1861
 soliciting the early con-
 sideration of the subject
 of the water supply to the
 Buildings proposed to be
 erected at the Mount Pleasant,
 for the convenience of
 the several Departments of
Manufacturing, Salads,
Water &c.

229.3561

1862

Just before
~~the election.~~ It is well & necessary
 under any circumstances, to meet

to pumping in order to obtain a
supply of water for the several
Indians. Many fine tourist
shelters proposed to be located
on the plain between the Mount
and Calaveras, the former.

must one of opinion that the
consideration of the question of
water supply may be deferred
until the site of the buildings
has been determined and the
plans of them prepared.

2076. A.B. 8:41/2

Myself & Mr. D. J. 207
 Dr. McCord, Mr. H. H. Chapman
 Mr. Briggs & Co. 134 Dec 23 1864 }

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