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# MADRAS RECORD OFFICE.

**Government of Madras.**

*Public Works.* **DEPARTMENT.**

|                          |                          |
|--------------------------|--------------------------|
| G.O. No. <i>A63 (W)</i>  | Press<br><del>Mis.</del> |
| Dated <i>9-2 - 1877.</i> |                          |

**Not to be folded or roughly handled**

*Proceedings of the Madras Government, Public Works Department,  
9th February 1877. No. 463.*

Read the following papers:—

No. 284. From Captain J. L. L. MORANT, R.E., District Engineer, Nilgiris, to Colonel W. T. F. FAREWELL, Officiating Under Secretary to Government, Public Works Department, dated Ootacamund, 30th January 1877, No. 507.

WITH reference to Public Works G.O., No. 27, dated 5th January 1877, I have the honor to forward herewith detailed plans and an estimate for erecting a storage reservoir and laying pipes between the springs and place of outlet of the spring water supply at Wellington for the sanction of Government.

No. 284-A.

**MEMORANDUM.**

FROM my personal knowledge of the Wellington Barracks' drinking water fountain the works estimated are very necessary.

2. The existing masonry channel is frequently choked to a considerable length by the roots of the trees growing alongside of it forcing themselves through the masonry. Thus it has often to be opened and repaired, and for the time the only available potable water within a reasonable distance of the barracks is rendered unfit for use. The introduction of iron pipes will obviate all this.

3. The present cistern being quite open its contents are liable to be fouled by cattle drinking at it, and by dirty vessels being dipped into it. Covering it will prevent this, while increasing its size will allow of more water being stored, and of its more rapid delivery through the taps. The District Engineer should be cautioned to be very careful when laying the head of the pipe not in any way to interfere with the springs, or allow of any excavation whatever in their vicinity.

FORT ST. GEORGE,  
7th February 1877.

(Signed) W. FAREWELL, Colonel,  
Officiating Chief Engineer,  
Buildings and Roads Branch.

No. 285.

ORDER THEREON, 9th February 1877, No. 463.

**MILITARY WORKS, No. 4-A.**

(a) *Heads of Service.*—Imperial.  
*Fund.*—Ordinary.  
*Class.*—Original Works.  
*Main-head.*—Military.  
*Sub-head.*—Military Buildings.  
*Section.*—Accommodation for general purposes.  
*Name of Work.*—Improving the drinking water supply of the Wellington Barracks.  
*Amount.*—Rupees 2,072.  
To be carried out by the Public Works Department.

HIS GRACE the Governor in Council sanctions the estimate of Rupees 2,072 for improving the drinking water supply of the Wellington Barracks in the Nilgiri District.

2. The District Engineer should apply for an allotment of funds for the work from the Reserve under Imperial Military of 1877-78.

3. This sanction is registered as Imperial No. 128—W. of 1876-77.

(True Extract.)

Colonel,  
Acting Joint Secretary to Government.

To the District Engineer, Nilgiris.  
„ Examiner of Public Works Accounts.  
„ Military Department.

Exd. S. T. Austin.  
Spare Copies

(a) Heads of Service— *Imperial*  
Fund. *Military*  
Class. *Original Works*  
Main-head. *Military*  
Sub-head. *Military Buildings*  
Section. *Accommodation for General purposes*  
Name of Work. *Improving the drinking water supply of the Wellington Barracks*

Amount. *Rs 2072*

To be carried out by the *Public Works* Department.

*Print in the margin of G.O. No 463 of 9/2/77-*

## Memorandum

From my personal knowledge of the Wellington Barracks drinking water fountain the works estimated are very necessary.

2. The existing masonry channel is frequently choked to a considerable length by the roots of the trees growing along side of it, forcing themselves through the masonry. Thus it has often to be opened and repaired and for the time <sup>the</sup> only available potable water within a reasonable distance of the Barracks is rendered unfit for use. The introduction of Iron pipes will obviate all this.

3. The present cistern being quite open its contents are liable to be fouled by cattle drinking at it, and by dirty vessels being dipped into it. Covering it will prevent this, while increasing its size will allow of more water being stored, and of its more rapid delivery through the Taps. The District Engineer should be cautioned to be very careful

when

when laying the head of the pipe not in any way to interfere with the springs, or allow of any excavation whatever in their vicinity.

Warriss Colonel

Fort St George  
7<sup>th</sup> Feb 1877

Offg. Chief Eng. ~~to~~  
Buildings and  
Roads Branch

— Detailed Estimate No. 1876-77 —

— Nilgiri District —

Work. Cost of connecting the drinking water Spring into a Drinking Reservoir

| Measurements               |     |     |     | Contents | Particulars                                          |
|----------------------------|-----|-----|-----|----------|------------------------------------------------------|
| No.                        | L   | B   | D   |          |                                                      |
| — <u>Brick work</u> —      |     |     |     |          |                                                      |
| 2                          | 3-6 | 1-2 | 2-0 | 16-4     | Side walls or Parapets                               |
|                            |     |     |     | 16-4     | Total cft of breaking down walls and removing debris |
| — <u>Brick in Sooker</u> — |     |     |     |          |                                                      |
| 2                          | 3-6 | 1-6 | 4-7 | 48-1     | Side walls                                           |
| 1                          | 4-2 | 1-6 | 4-7 | 28-7     | Front walls                                          |
| 1                          | 6-6 | 1-6 | 0-8 | 6-6      | Backings to rear wall                                |
|                            |     |     |     | 83-2     | Total cft of Brick in Sooker                         |
| — <u>Archwork</u> —        |     |     |     |          |                                                      |
| 1                          | 4-3 | 2-6 | 0-9 | 7-4      | Arch to top of cistern                               |
|                            |     |     |     | 7-4      | Total cft of Archwork in Sooker                      |
| — <u>Plaster</u> —         |     |     |     |          |                                                      |
|                            |     |     |     | 3        | Squares of Plastering with Sooker                    |
| — <u>Flooring</u> —        |     |     |     |          |                                                      |
| 1                          | 9-0 | 4-0 |     | 36-0     | Total sq. ft. of granite stone flooring              |
|                            |     |     |     | 1        | Trap Door                                            |
|                            |     |     |     | 3        | Brass Laps                                           |

X. 11/8  
Cin 8-2-77 R. 1-2-77

Abstract Estimate No. 42 of 1876-77

Nilgiri District

work - Cost of converting the drinking water spring into a drinking Reservoir

| Qty    | Particulars                                    | Rate | Per  | Amount   | Total  |
|--------|------------------------------------------------|------|------|----------|--------|
| 16 1/2 | feet of Breaking down walls and running debris | 10   | imp. | 1        | 104 5  |
| 83     | feet of Brick in Smoke                         | 50   |      |          | 41 8 5 |
| 1/2    | feet of archwork in Smoke                      | 55   |      |          | 4 64 5 |
| 3      | Squares of Smoke Plastering                    | 12   | sq.  | 36       | 5      |
| 36     | Sq. ft. of granite stone flooring              | 185  |      |          | 30 9 5 |
| 1      | Trap door complete                             |      |      | 15       | 5      |
| 3      | Brass Taps                                     | 7    | each | 21       | 5      |
| 1      | Elbow galvanized Pipe 3" diam. for Escape      |      |      | 7        | 5      |
|        | <b>Total</b>                                   |      |      | 157 22 5 |        |
|        | <b>Sundries</b>                                |      |      | 4 29 7   |        |
|        | <b>Total Estimate Rupees</b>                   |      |      | 162 52 2 |        |

Abstract Estimate No. 42 of 1876-77

Nilgiri District

work - Cost of relining the present water supply channel with 3 inch galvanized iron piping from the spring to the point where and of converting the drinking water spring into a drinking Reservoir at the Wellington Barracks.

| Qty | Particulars                            | Rate | Per | Amount | Total |
|-----|----------------------------------------|------|-----|--------|-------|
| 900 | running feet of 3 inch galvanized iron |      |     |        |       |

iron piping with flange joints, including fitting and relaying } 2 ... 1800 ... ✓  
 3 T pieces with green plugs } 2 ... each 6 ... ✓  
 10 Back Sights } 8 ... 5 ... ✓  
 35 Cubic yards excavating for Pipes } 3 ... c. yd. 6 9 ... ✓  
**Total** 1817 9 ... ✓  
**Sundries** 927 ... ✓  
**Total** 1910 ... ✓  
 add cost of drinking Reservoir to complete 162 ... ✓  
**Total Estimate Rupees** 2072 ... ✓

Specification

The present drinking water spring at its outlet to be converted into a storage Reservoir by building it up on all sides and arching it over, with a Trap door at the top and 3 Brass Taps and an Escape; the side or Parapet walls (coloured red on Plan) are to be removed and fresh walls raised to a height of 4-7; a wall in front 1-6 thick is also to be raised to the height of 4-7 over the existing Platform of 1-7; the Escape is to be of a 3 inch galvanized Pipe fixed on one of the sides of the cistern on a level with the supply Pipe; on the same side of the Escape there is to be a plug hole at the bottom, in order that the cistern may be cleaned when required; the present supply channel is to be relined with 3 inch galvanized iron Piping from the Spring to the point of Issue.

Capt. R. C. District Engineer  
 Nilgiris  
 Coimbatore  
 1st Aug 1877  
 Lt. Col. Campbell  
 Coimbatore

Approved  
Cooker Colonel  
Commandant Wellington

P.W.D.  
2 FEB 77  
1114

District Engineers Office,  
Ootacamund 30 January 1877

8007

From

The District Engineer  
Nilgheems

To

The Offg. Under Secretary to Govt.  
Public Works Dept.  
Madras.

Sir,

With reference to Public Works G.O.  
No 27 dated 5 January 1877, I have the  
honor to forward herewith detailed plans and  
Estimate for erecting a storage reservoir and  
laying pipes between the springs and place of  
outlet of the spring water supply at Wellington,  
for the sanction of Government.

I have the honor to be  
Sir

Your most obedient servant

J. H. M. S. Captain R.E.  
District Engineer

11-2-77

*Handwritten signature: J. J. [illegible]*

2 FEB 77

No. 1114.

72m

*Drumico*  
*virgatus*

no 507

87 30- Jay 1877

Ex-3. 2. Plans

multibonigen

2 Pans sent to the D.E.  
Ralph Harris, vide C.R. 5000  
of 77-19.5.77

Submitting Plan & Estimate  
for Storage Reservoir for  
Water Supply Wellington.

Cir 8-2-77 / 89-2-77

No 463

*Public Works Department.*

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the

Read the following :—

From

The Dist. Engr. Milghem (H.C. No. 507 of 30<sup>th</sup> Jan. 1877)  
 Dy. Chief Engrs' Memo (— of 7<sup>th</sup> Feb. —)

His Grace the Governor  
in Council sanctions the  
estimate of Rs 2072 for  
improving the drinking  
water supply of the  
Wellington Barracks  
in the Nilgerry District.

2. The District Engineer should apply for an allotment of funds for the work from the Reserve under Imperial Military of 1877-78.

Thus

75-2-22; Rusty

Hughes & Co.

I have been thinking of you  
 and wondering how you are  
 getting on. I hope you are  
 well and happy. I have been  
 very busy lately, but I  
 have managed to find some  
 time to write to you. I  
 hope you will excuse my  
 delay. I have been very  
 busy, but I have managed  
 to find some time to write  
 to you. I hope you will  
 excuse my delay. I have  
 been very busy, but I have  
 managed to find some time  
 to write to you. I hope  
 you will excuse my delay.

J. S. Higgins  
R. P. W. A.  
Navy Dept.  
Apr 28-2-77

*Cham*  
Sdlt. of 1877 Madras.  
PUBLIC WORKS.

To *Mr H. G. Seeliger*

Dated

Issued

Recd.

Encl.

*G. O. 4<sup>th</sup> Feb. 1877, No. 463*

Nos. 284-5

Wellington Rowacks in  
the Kilgenny St. - The  
estimate of Rs 2072 for  
improving the drinking  
water supply of the —  
sanctioned.

*Sent in Regd.*

*N<sup>o</sup> 1116 Cr 8-2-77 R 9-2-77*

*Draps 28-2-77*