

G.O., No.

843

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DATED

^{the} 18 March 1899.

Artesian Well operations [Despatch Abstract.]

From: Daily Report including report on the
further progress made in the — at Place's
Garden, Chingdeput St. Communicated to the
S. E. Circle.

GOVERNMENT OF MADRAS.
FINANCIAL DEPARTMENT.

READ—again the following paper:—

G.O., No. 318, Financial, dated 29th March 1898.

ABSTRACT.—Sanctioning a further grant of Rs. 1,000 from savings under 45. *Civil Works—Public Works Department* in aid of the artesian boring operations at Place's Garden.

READ—also the following paper:—

From Revd. S. DOMINIC, Superior of the Monastery, Place's Garden, Kilacheri, to the Chief Secretary to Government, dated Madras, 19th February 1899.

In continuation of my letter of the 30th December 1897, I have the honour to report further progress of the artesian well operations in Place's Garden. The total depth of the boring now is 414 feet 5 $\frac{3}{8}$ inches.

Work of boring was resumed on the 10th June last and very great difficulty was experienced in passing through argillaceous rock, a total depth of 20 feet 5 $\frac{3}{8}$ inches in this stratum having been gone through up to date.

I beg to append for the information of Government statements A and B showing progress and cost of work and the different strata met with.

[Statement.]

ENCLOSURE A.
Artesian Well Works, Place's Garden.
STATEMENT showing progress of work and cost of boring, &c., at the different stages of the work.

Date of work.	Description of work.			Total depth of		Cost.	Remarks.
	Deepening.	Widening for pipes.	Sinking pipes.	Boring.	Pipes sunk.		
	FT. IN.	FT. IN.	FT. IN.	FT. IN.	FT. IN.	RS. A. P.	
1897.							
Total on 13th November	..	..	..	394 0	380 0	6,461 14 4	
1898.							
June 10th, 11th, 13th 17th, 18th, 20th, 26th, and 28th and July 19th, 23rd.	1 7	1 6	..	395 7	380 0	91 2 6	Very great difficulty was experienced in boring down this depth as argillaceous rock intervened and tools had to be repaired at every lift of the rods.
July 27th to 30th	0 1	0 3	..	395 8	380 0	19 8 0	
August 1st to 6th	0 1	0 3	..	395 9	380 0	35 4 0	
Do. 8th to 13th	..	0 3	..	395 9	380 0	35 9 0	
Do. 16th to 20th	..	0 1	..	395 9	380 0	30 7 6	
Do. 25th to 27th	..	0 2 $\frac{1}{2}$	..	395 9	380 0	15 4 6	
Do. 29th to 31st September	..	0 1	..	395 9	380 0	36 9 0	
September 1st to 9th	..	0 2	..	395 9	380 0	39 7 6	
Do. 12th to 17th	0 11	0 5	..	396 8	380 0	32 4 6	
Do. 19th to 22nd	..	0 6	..	396 8	380 0	19 8 0	
Do. 27th to 1st October	2 4	2 4	..	399 0	380 0	29 13 0	
October 4th to 8th	3 6 $\frac{1}{2}$	3 6 $\frac{1}{2}$	..	402 6	380 0	28 11 6	
Do. 11th to 16th	1 2 $\frac{1}{2}$	1 2 $\frac{1}{2}$	..	403 8	380 0	35 4 0	
Do. 17th to 22nd	1 2 $\frac{1}{2}$	1 2 $\frac{1}{2}$	..	405 0	380 0	37 8 0	
Do. 24th to 29th	1 0	0 2 $\frac{1}{2}$	..	407 7	380 0	36 4 0	
Do. 31st to 5th November	1 0	..	..	410 7	380 0	36 4 0	
December 9th	0 3 $\frac{3}{4}$	..	..	410 10	380 0	6 4 0	
1899.							
January 3rd to 7th	0 4 $\frac{1}{2}$	..	..	411 3	380 0	30 12 0	
Do. 10th to 12th	0 1 $\frac{1}{2}$	..	..	411 4	380 0	18 12 0	
Do. 16th to 21st	0 5	..	..	411 9	380 0	40 0 0	
Do. 23rd to 28th	0 11 $\frac{1}{2}$	..	..	412 9	380 0	37 8 0	
Do. 31st to 4th February	1 8	..	..	414 5	380 0	31 4 0	
				Repairing shed	..	35 0 0	
				Total Expenditure	..	7,204 7 4	
				Total Receipts	..	7,463 0 0	
				Balance on hand	..	258 8 8	

Soil very hard clayey rock, tools for breaking the rock had to be constantly sharpened.

ENCLOSURE B.

STATEMENT showing the different strata of earth met with and their thickness.

Stratum number.	Strata of earth passed through.	Thickness of stratum.		Total depth from the surface of ground.		Remarks.
		FT.	IN.	FT.	IN.	
55	Very hard black clay.	20	5½	414	5½	The clay met with is of a very compact texture and approaches argillaceous rock.

ORDER—No. 329, Financial, dated 6th March 1899.

Recorded.

(True Extract.)

A. Edgington
for Chief Secretary.

To the Reverend S. Dominic.
 „ Public Works Department.
 „ Accountant-General.
 „ Superintendent, Geological Survey.