

- (1) பக்கங்களின் எண்ணிக்கை 4
 (2) புதுக்கித் திருப்பிய நாள் October. 90
 (3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம் less

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

PWD துறை

98

அரசாணை எண். மு. கோப்புத் தாள் எண்.	422	அச்சகம் பலவகை
நாள் :	11-2-1892	198

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

2 Sheets

29

26TH JANUARY 1892, No. 171 M., LOCAL AND MUNICIPAL.

GOVERNMENT OF MADRAS.

LOCAL AND MUNICIPAL DEPARTMENT.

READ—again the following paper :—

11829 G.O., dated 24th September 1891, No. 1561 M., Local and Municipal.

ABSTRACT.—Referring to the Chief Engineer, Public Works Department, with remarks, papers regarding the Madura water-supply, and accepting the proposals of the Municipal Council for carrying it out.

READ—also the following papers :—

Note by the Chief Engineer, Public Works Department.

The undersigned approves the revised scheme submitted by the Sanitary Engineer for the water-supply of Madura.

20th December 1891. (Signed) J. PENNYCUICK, Colonel, R.E.,
Chief Engineer, P. W. Department.

No. 5793-C.

Transferred to the Local and Municipal Department with reference to G.O., dated 24th September 1891, No. 1561 M., the enclosures of which are herewith returned.

MADRAS, (Signed) J. PENNYCUICK, Colonel, R.E.,
22nd Dec. 1891. Secretary to Government, P.W.D.

To the Local and Municipal Department, with enclosures.

From J. A. JONES, Esq., MEM. INST. C.E., F.R.S.E., Sanitary Engineer to Government, to the Chief Secretary to Government, dated Fort St. George, 12th January 1892, No. 117.

With reference to para. No. 1 of G.O., dated 24th September 1891, No. 1561 M., Local and Municipal, I have the honour to send revised estimate for the scheme for providing 15 gallons per head for 100,000 people in the town of Madura. There are no alterations other than those referring to the sizes of mains to be made on the plans, and these have not yet been returned to me after reference to the Chief Engineer. The increase in the estimate is Rs. 4,785, and this is due to only approximate estimates having been prepared for the anticipated increases in adopting the larger scheme. The

following is a comparative statement of the original approximate and revised estimates of scheme C; detailed estimates are sent for (a) and (b) items following:—

	Approximate.	Revised estimate.
	RS.	RS.
Infiltration works	35,000	35,000
Engine and boiler house	28,000	28,000
Engines, pumps and boilers	60,900	60,900
(a) Pipes, valves, bends, &c.	2,29,670	2,31,598
(b) Laying and jointing	27,865	29,925
Total	3,81,435	3,85,423
(c) Deduct value of existing work	16,587	16,414
Add contingencies	3,64,848	3,69,009
	54,727	55,351
Total	4,19,575	4,24,360
Excess	4,785	..
	4,24,360	

(a) The excess in pipes and valves is due to approximate estimate having been in detail only for the pipes and to only 16 per cent. having been added for increase in cost of valves, bends, &c.; this in detail has proved somewhat insufficient.

(b) The excess in this instance is due to the cost of laying having been taken as the same under both schemes; the excess is required for laying the larger pipes.

(c) As presumed by Government in paragraph No. 2 of the order above quoted, the pipes now existing can be used in scheme C, but there is a slight decrease in this credit item; it is, however, insignificant.

2. Following paragraph No. 3 of the order under reference the cost of the scheme will be—

	RS.	Previously.
	RS.	RS.
Total cost	4,24,360	4,19,575
Amount paid to Mr. O'Shaughnessy	7,476	7,476
Total	4,31,836	4,27,051
Moiety to be borne by Council	2,15,918	2,13,525
Total	2,15,918	2,13,525
Annual payment 4½ per cent. interest	9,176	9,074
Annual payment for extinguishing loan in 30 years at 4½ per cent.	3,692	3,652
Pumping charges	12,868	12,726
Other charges	17,885	17,885
	2,000	2,000
Add interest and Sinking Fund on existing loan	32,753	32,611
	2,510	2,510
Total	35,263	35,121

The increase is therefore Rs. 142.

3. The difference between the sums of Rs. 2,15,918 and Rs. 2,13,525 or Rs. 2,393 can be easily met as interest will accrue for six or nine months on funds in the hands of the Municipality. The loan need not be taken before that period expires, as three months will expire before tenders can be received and accepted and another six before materials will begin to come to hand.

ORDER—dated 26th January 1892, No. 171 M., Local and Municipal.

The revised estimate, amounting to Rs. 4,24,360, submitted by the Sanitary Engineer is sanctioned.

(True Extract.)

W. B. B. B.
For Chief Secretary.

To the Chairman, Municipal Council, Madura, through the Collector,
" Sanitary Engineer, with plans and estimates.
" Public Works Department.

Exd. J. Moses.

Gobt. of {1892} Madras.
LOCAL AND MUNICIPAL.

5

422 W d/11 - 26th Jan 1892

Issued

Recd.

Encl.

Communicated to
the Deputy Engineer
the Subordinate
circle for information
circle for information

G.O., 26th Jan. 1892, No. 171 M.

OOB
10.2.92

S
10

JANUARY.

(2)

Water-supply.

Sanctioning the revised estimate of Rs. 4,24,360
submitted by the Sanitary Engineer for the
Madura water-works.

7
B. H. H.

S.E. circle
S. circle
24th Jan 1892
S. 13/2 J.C. 13/2