

- (1) பக்கங்களின் எண்ணிக்கை 12  
 (2) புதுக்கித் திருப்பிய நாள் 3-90  
 (3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம் 10/10

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

Pw

துறை

|                                       |           |                  |
|---------------------------------------|-----------|------------------|
| அரசாணை எண்.<br>மு. கோப்புத் தாள் எண். | 66        | அச்சகம்<br>பலவகை |
| நாள் :                                | 14.1.1893 | 198              |

மடிக்கலோ கண்டபடி கையாளலோ கூடாது

ஆவண. கா-1-18,000-75-6-87.

ஆதாரம்

21st NOVEMBER 1892, No. 1923 M., LOCAL AND MUNICIPAL.

GOVERNMENT OF MADRAS.

LOCAL AND MUNICIPAL DEPARTMENT.

Read—again the following paper:—

G.O., dated 27th September 1892, Mis. No. 1575 M., Local and Municipal.

Read—the following paper:—

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, 2nd September 1892, No. 1776.

I have the honour to inform you that when taking in tenders for the Trichinopoly water-supply, the pipes, &c., required for the jail (and which appertain to the jail alone and thus form no portion of the joint scheme) were with the cost of laying also contracted for. These as well as the Trichinopoly pipes I have obtained on favorable terms, and the cost of laying is also under that estimate.

2. My estimate appears on page No. 7 of G.O., dated 30th November 1891, No. 2113 M., Local and Municipal.

The cost as per tendered and accepted rates compares as follows:—

|                        |            | Estimate. |              | Accepted. |     |
|------------------------|------------|-----------|--------------|-----------|-----|
|                        |            | Rs.       |              | Rs. A. P. |     |
| Pipes, ..              | 80 tons .. | 10,000    | 63.5 tons .. | 6,640     | 0 0 |
| Laying and jointing .. | ..         | 1,200     |              | 986       | 0 0 |
| Valves ..              | ..         | 250       |              | 373       | 0 0 |
| Branch pipe ..         | ..         | 175       |              | 17        | 8 0 |
|                        |            | 20        |              |           |     |
|                        |            | 11,645    |              | 8,016     | 8 0 |
| Add 12½ per cent. ..   | ..         | 1,455     |              | 1,002     | 0 0 |
| Total ..               |            | 13,100    |              | 9,018     | 8 0 |

This represents a probable saving of Rs. 4,082, but allowance has to be made for probable breakages and deviation in weight of pipes, for extra excavation, &c., when we come to do the work.

3. The pipes will have to be paid for within three months, the cost of laying later, and my reason for bringing up the matter now is that I have no funds in hand to pay for this work which entirely belongs to Government and is outside the joint scheme for which the Municipality has funds.

4. I therefore request that the Accountant-General may be requested to meet charges on account of this jail branch when bills are presented. As the pipes are all coming out together, the easiest plan will be for the Municipal Council to pay the charges in the first instance and recover through a bill which I shall eventually pass.

5. Government has not as yet paid the amount of the contribution on account of the jail, viz., Rs. 6,126, nor has the railway contribution been paid, viz., Rs. 51,623. I have, however, been able to obtain the pipes, &c., at much reduced rates, but on the other hand tenders received show that there will be increases for the filter gallery and for machinery.

21st NOVEMBER 1892, No. 1923 M., LOCAL AND MUNICIPAL.

GOVERNMENT OF MADRAS.

LOCAL AND MUNICIPAL DEPARTMENT.

Read—again the following paper:—

G.O., dated 27th September 1892, Mis. No. 1575 M., Local and Municipal.

Read—the following paper:—

From J. M. JONES, Esq., MEM. INST. C.E., F.R.S.E., Sanitary Engineer to Government, to the Chief Secretary to Government, dated Fort St. George, 2nd September 1892, No. 1776.

I have the honour to inform you that when taking in tenders for the Trichinopoly water-supply, the pipes, &c., required for the jail (and which appertain to the jail alone and thus form no portion of the joint scheme) were with the cost of laying also contracted for. These as well as the Trichinopoly pipes I have obtained on favorable terms, and the cost of laying is also under that estimate.

2. My estimate appears on page No. 7 of G.O., dated 30th November 1891, No. 2113 M., Local and Municipal.

The cost as per tendered and accepted rates compares as follows:—

|                        |            | Estimate. |              | Accepted. |       |
|------------------------|------------|-----------|--------------|-----------|-------|
|                        |            | Rs.       |              | Rs.       | A. P. |
| Pipes, ..              | 80 tons .. | 10,000    | 63.5 tons .. | 6,640     | 0 0   |
| Laying and jointing .. | ..         | 1,200     |              | 986       | 0 0   |
| Valves ..              | ..         | 250       |              | 373       | 0 0   |
| Branch pipe ..         | ..         | 175       |              | 17        | 8 0   |
|                        |            | 20        |              |           |       |
|                        |            | 11,645    |              | 8,016     | 8 0   |
|                        |            | 1,455     |              | 1,002     | 0 0   |
| Add 12½ per cent. ..   | ..         |           |              | 9,018     | 8 0   |
| Total ..               |            | 13,100    |              |           |       |

This represents a probable saving of Rs. 4,082, but allowance has to be made for probable breakages and deviation in weight of pipes, for extra excavation, &c., when we come to do the work.

3. The pipes will have to be paid for within three months, the cost of laying later, and my reason for bringing up the matter now is that I have no funds in hand to pay for this work which entirely belongs to Government and is outside the joint scheme for which the Municipality has funds.

4. I therefore request that the Accountant-General may be requested to meet charges on account of this jail branch when bills are presented. As the pipes are all coming out together, the easiest plan will be for the Municipal Council to pay the charges in the first instance and recover through a bill which I shall eventually pass.

5. Government has not as yet paid the amount of the contribution on account of the jail, viz., Rs. 6,126, nor has the railway contribution been paid, viz., Rs. 51,623. I have, however, been able to obtain the pipes, &c., at much reduced rates, but on the other hand tenders received show that there will be increases for the filter gallery and for machinery.

6. I shall shortly send Government a statement showing to what the cost of the works is likely to amount after these reductions and increases are taken account of and the effect on the shares of the various parties concerned, so that until then Government may delay payment of its contribution on account of its share for the jail in the joint scheme and similarly the Railway Department contribution may stand over until the revised figures are arrived at. The exact figures can be ascertained only at the completion of the work, but as I can show large reduction in this and other schemes and relieve Government from considerable payments, it is better that I should do so shortly as the annual budgets are under preparation.

Order—dated 27th September 1892, Mis. No. 1575 M., Local and Municipal.

The Sanitary Engineer will be requested to report whether funds in excess of those already available are required by him to pay for pipes supplied.

2. If not, he should pay for the pipes from the funds that he has in hand and recover the amount in the manner proposed in paragraph 4 of his letter.

3. The receipt of the statement referred to in paragraph 6 of the letter is awaited.

(True Extract.)

(Signed) J. F. PRICE,  
Chief Secretary.

To the Sanitary Engineer.

Chairman, Municipal Council, Trichinopoly,  
through the Collector of Trichinopoly.  
Financial Department.

READ—also the following paper:—

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, 16th September 1892, No. 1931.

I have the honour to forward, in continuation of my No. 1776 of 2nd September 1892, three reports and statements showing the probable ultimate cost of the works at Madura, Trichinopoly and Tanjore.

2. There are considerable savings in each case under the heading of cost of pipes, and this is due (1) to the low charges for freight, about, say, 17s. 8d. less (say Rs. 10) a contract), and (2) to a low price of iron, &c.

3. The fall of exchange to some extent has counterbalanced reduction from these causes, but I have been able to effect very favorable arrangements with reference to exchange also. For instance, I received on 11th May 1892 a gold tender for reference to exchange was then 1s. 3½d. I arranged this at 1s. 3¼d. on delivery. Pipes for Madura, being delivered and exchange to-day (14th September 1892) is only 1s. 2½d. I thus saved over Rs. 7,000 by that arrangement. For Trichinopoly a rupee tender based on 1s. 2¾d. exchange was accepted, this to be increased or reduced according to rate of exchange on day of acceptance. The tender was finally accepted at 1s. 2½d. or Rs. 1,95,390. If exchange is less than this some three months hence there will be a gain in proportion to the fall.

4. The lowest tender for Tanjore turned out to be a gold tender; by arrangements previously made through my agents in England I was able to compare the value of this tender, taking the forward rate for three months 1s. 2¾d. on the day on which I accepted the tender with rupee tenders from parties in India, and I accepted the tender for three months' delivery at 1s. 2¾d. It yet remains to be seen whether this was a good or a bad bargain. It would, however, require the rupee to fall to about 1s. 1½d. before the next highest tender, a rupee one, would have been the cheaper. There was a difference of Rs. 9,408.

5. It will be noticed that there is a very great difference between the highest and lowest tenders and yet persons framing their tenders had the advantage of making their estimate within three months of time of delivery of goods; some of my estimates were framed nearly two years ago.

6. Even on the day for receiving tenders I have had telegrams and letters from England reducing the amount of this tender by £600 or Rs. 10,000.

7. All these show the difficulty of framing estimates under existing conditions, and as so long a period expires between the framing of an estimate and the purchase of materials, I think it was wise to have kept so well on the safe side. The difficulty in my case is much greater than with a merchant dealing from day to day and probably for not more than three months in advance, and I have, in deciding on the most favorable tender, always had to take considerable responsibility on my shoulders because, for instance, had I anticipated a rise in exchange and accepted the tender in gold (*vide* the Madura case) I would have lost Rs. 7,000 to the Council and Government instead of saving it.

8. I believe, however, that so far I have in all cases taken the tender which will eventually turn out to be the lowest.

9. The tenders received are in all cases for the greater portion of the particular work tendered for, but there are of course expenses to be incurred in this country against each such head.

10. A review of the figures which refer to each particular town will be found attached to each statement accompanying this letter; and it is for Government to say whether it desires to recover or withdraw at present any portion of the sums paid on account of Madura, Trichinopoly, or to be paid to Tanjore. In any case the loans yet to be raised by these towns may be decreased in amount below that considered previously necessary.

11. The anticipated savings under the estimates are as follow:—

|                      | RS.      |
|----------------------|----------|
| Madura .. .. .       | 33,360   |
| Trichinopoly .. .. . | 17,645   |
| Tanjore .. .. .      | 51,800   |
| Total ..             | 1,02,805 |

12. It should be pointed out Madura is the only town for which tenders have been received for the infiltration works and pumping station, engines and pipes, &c. For Trichinopoly and Tanjore tenders have been received for pipes and laying only. The cost of the other works which are higher than anticipated is now based on the Madura tenders. Those for the head works were few and unsatisfactory, because owing to the large amount of water having to be dealt with the actual expenditure which will have to be incurred is a very uncertain amount and this prevented many people from tendering. It has therefore been decided to execute such works at Trichinopoly (and Tanjore probably) departmentally. There is a very limited time in which to do the river work at both places, and the cost may therefore be much under that now estimated.

13. The amounts which Government may fairly withdraw from the grants made or promised are as will be seen from the reports accompanying the following statements as follow:—

|                      | RS.     |
|----------------------|---------|
| Madura .. .. .       | 14,287  |
| Trichinopoly .. .. . | * 8,895 |
| + Tanjore .. .. .    | 25,900  |
| Total ..             | 49,082  |

\* This exceeds the contribution still due on account of jail by Rs. 3,012.

+ This is out of the sum to be granted in 1893-94.

6. I shall shortly send Government a statement showing to what the cost of the works is likely to amount after these reductions and increases are taken account of and the effect on the shares of the various parties concerned, so that until then Government may delay payment of its contribution on account of its share for the jail in the joint scheme and similarly the Railway Department contribution may stand over until the revised figures are arrived at. The exact figures can be ascertained only at the completion of the work, but as I can show large reduction in this and other schemes and relieve Government from considerable payments, it is better that I should do so shortly as the annual budgets are under preparation.

Order—dated 27th September 1892, Mis. No. 1575 M., Local and Municipal.

The Sanitary Engineer will be requested to report whether funds in excess of those already available are required by him to pay for pipes supplied.

2. If not, he should pay for the pipes from the funds that he has in hand and recover the amount in the manner proposed in paragraph 4 of his letter.

3. The receipt of the statement referred to in paragraph 6 of the letter is awaited.

(True Extract.)

(Signed) J. F. PRICE,  
Chief Secretary.

To the Sanitary Engineer.

Chairman, Municipal Council, Trichinopoly,  
through the Collector of Trichinopoly.  
Financial Department.

READ—also the following paper:—

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, 16th September 1892, No. 1931.

I have the honour to forward, in continuation of my No. 1776 of 2nd September 1892, three reports and statements showing the probable ultimate cost of the works at Madura, Trichinopoly and Tanjore.

2. There are considerable savings in each case under the heading of cost of pipes, and this is due (1) to the low charges for freight, about, say, 17s. 8d. less (say Rs. 10) per ton than it has been during past years (this means Rs. 16,000 to Rs. 18,000 on a contract), and (2) to a low price of iron, &c.

3. The fall of exchange to some extent has counterbalanced reduction from these causes, but I have been able to effect very favorable arrangements with reference to exchange also. For instance, I received on 11th May 1892 a gold tender for Madura, being delivered and exchange to-day (14th September 1892) is only Rs. 2½d. I thus saved over Rs. 7,000 by that arrangement. For Trichinopoly a rupee tender based on Rs. 2½d. exchange was accepted, this to be increased or reduced according to rate of exchange on day of acceptance. The tender was finally accepted at Rs. 2½d. or Rs. 1,95,390. If exchange is less than this some three months hence there will be a gain in proportion to the fall.

4. The lowest tender for Tanjore turned out to be a gold tender; by arrangements previously made through my agents in England I was able to compare the value of this tender, taking the forward rate for three months Rs. 2½d. on the day on which I accepted the tender with rupee tenders from parties in India, and I accepted the tender for three months' delivery at Rs. 2½d. It yet remains to be seen whether this was a good or a bad bargain. It would, however, require the rupee to fall to about Rs. 1½d. before the next highest tender, a rupee one, would have been the cheaper. There was a difference of Rs. 9,408.

5. It will be noticed that there is a very great difference between the highest and lowest tenders and yet persons framing their tenders had the advantage of making their estimate within three months of time of delivery of goods; some of my estimates were framed nearly two years ago.

6. Even on the day for receiving tenders I have had telegrams and letters from England reducing the amount of this tender by £600 or Rs. 10,000.

7. All these show the difficulty of framing estimates under existing conditions, and as so long a period expires between the framing of an estimate and the purchase of materials, I think it was wise to have kept so well on the safe side. The difficulty in my case is much greater than with a merchant dealing from day to day and probably for not more than three months in advance, and I have, in deciding on the most favorable tender, always had to take considerable responsibility on my shoulders because, for instance, had I anticipated a rise in exchange and accepted the tender in gold (vide the Madura case) I would have lost Rs. 7,000 to the Council and Government instead of saving it.

8. I believe, however, that so far I have in all cases taken the tender which will eventually turn out to be the lowest.

9. The tenders received are in all cases for the greater portion of the particular work tendered for, but there are of course expenses to be incurred in this country against each such head.

10. A review of the figures which refer to each particular town will be found attached to each statement accompanying this letter; and it is for Government to say whether it desires to recover or withdraw at present any portion of the sums paid on account of Madura, Trichinopoly, or to be paid to Tanjore. In any case the loans yet to be raised by these towns may be decreased in amount below that considered previously necessary.

11. The anticipated savings under the estimates are as follow:—

|              | RS.      |
|--------------|----------|
| Madura       | 33,360   |
| Trichinopoly | 17,645   |
| Tanjore      | 51,800   |
| Total        | 1,02,805 |

12. It should be pointed out Madura is the only town for which tenders have been received for the infiltration works and pumping station, engines and pipes, &c. For Trichinopoly and Tanjore tenders have been received for pipes and laying only. The cost of the other works which are higher than anticipated is now based on the Madura tenders. Those for the head works were few and unsatisfactory, because owing to the large amount of water having to be dealt with the actual expenditure which will have to be incurred is a very uncertain amount and this prevented many people from tendering. It has therefore been decided to execute such works at Trichinopoly (and Tanjore probably) departmentally. There is a very limited time in which to do the river work at both places, and the cost may therefore be much under that now estimated.

13. The amounts which Government may fairly withdraw from the grants made or promised are as will be seen from the reports accompanying the following statements as follow:—

|              | RS.     |
|--------------|---------|
| Madura       | 14,287  |
| Trichinopoly | * 8,895 |
| + Tanjore    | 25,900  |
| Total        | 49,082  |

\* This exceeds the contribution still due on account of jail by Rs. 3,613.

+ This is out of the sum to be granted in 1893-94.

ENCLOSURES.

Madura Water Works.

|                                                       | (1)<br>Estimated<br>amount. | (2)<br>Tendered<br>amount.            | (3)<br>Probable<br>expenditure. |
|-------------------------------------------------------|-----------------------------|---------------------------------------|---------------------------------|
| Infiltration works                                    | Rs. 36,000                  | Rs. 65,340 lowest.                    | Rs. 75,000                      |
| Engine and boiler house including land and store shed | 28,000                      | 84,427 highest.                       | 6,000                           |
| Engine Driver's quarters                              | 60,900                      | £ 3,497                               | 62,000                          |
| Engine, pumps, &c.                                    | 2,31,598                    | ..                                    | ..                              |
| Pipes, valves, bends, &c.                             | 16,414                      | ..                                    | ..                              |
| Less value of old materials                           | ..                          | ..                                    | ..                              |
| Laying and jointing                                   | 2,15,184                    | 1,62,343 lowest.<br>1,96,407 highest. | 1,59,000                        |
| Contingencies, 15 per cent.                           | 29,925                      | 24,399 lowest.<br>55,652 highest.     | 28,000                          |
|                                                       | 3,69,000                    | ..                                    | 3,40,000                        |
|                                                       | 55,551                      | ..                                    | 51,000                          |
|                                                       | 4,24,360                    | ..                                    | 3,91,000                        |
|                                                       | 3,91,000                    | ..                                    | ..                              |
| Saving                                                | 33,360                      | ..                                    | ..                              |

\* These two items are one contract.

† Tenders don't include store-shed, land, fencing, &c., included in the original figures.

The figures show that there will be an anticipated saving of Rs. 33,360 on the revised estimate of Rs. 4,24,360. As Government contributed a moiety of the original estimated cost of Rs. 4,19,575 plus Rs. 7,476 paid to Mr. O'Shaughnessy, Rs. 14,287 may be fairly claimed. Similarly the proposed loan may be reduced to Rs. 1,95,500.

2. The tenders received for the infiltration works are much higher than estimated; the difficulty of dealing with the river works and foundation of pump well, &c., added to that of estimating the cost has caused a considerable rise in these items.

3. The engines and pumps will cost a little more than estimated.

4. The pipes, &c., were secured at a very favorable rate, low freights, low prices of iron, and a favorable delivery forward rate of exchange has contributed to this result.

5. The tenders are in all cases for only a portion, but generally the greater portion of the expenditure; hence the excess of column 3 over column 2.

6. As the head works are a long distance from town, it has been thought desirable to enter a sum for engine-driver's quarters, especially as there will be night pumping.

Trichinopoly Water Works.

|                              | (1)<br>Estimated<br>amount. | (2)<br>Tendered<br>amount.            | (3)<br>Probable<br>expenditure<br>to parties in<br>joint scheme. |
|------------------------------|-----------------------------|---------------------------------------|------------------------------------------------------------------|
| Infiltration works           | Rs. 29,920                  | Rs. 21,100                            | Rs. 35,700                                                       |
| Engine and boiler house      | 17,610                      | ..                                    | 21,100                                                           |
| Store shed                   | 6,000                       | ..                                    | 5,300                                                            |
| Engine Driver's quarters     | ..                          | ..                                    | 2,100                                                            |
| Engines and boilers          | 75,600                      | ..                                    | 72,000                                                           |
| Pipes, valves, bends, &c.    | 10,800                      | ..                                    | 22,000                                                           |
| Laying and jointing          | 2,31,957                    | 1,86,279 lowest.<br>2,06,314 highest. | 1,96,000                                                         |
| Contingencies, 12½ per cent. | 25,998                      | 16,524 lowest.<br>69,304 highest.     | 20,000                                                           |
|                              | 3,94,883                    | ..                                    | 3,79,200                                                         |
|                              | 49,200                      | ..                                    | 47,400                                                           |
|                              | 4,44,245                    | ..                                    | 4,26,600                                                         |
|                              | 4,26,600                    | ..                                    | ..                                                               |
| Saving                       | 17,645                      | ..                                    | ..                                                               |

\* Not including pipes for jail nor for steel pipes over Kodamurti bridge.  
Note.—The work for which tenders are accepted does not include all the work to be done, and hence the difference between columns 2 and 3.

The anticipated saving is Rs. 17,645. This would have been much greater if probable increases under other heads had not to be placed against the savings under pipes and laying. These increases are still, however, only estimates, but they are based on the results of tenders received for the Madura Water Works. Amounts have been entered for a store-shed and for driver's quarters (omitted in original estimate) which are likely to be required as the pumping station is so far from town. The engines at the subsidiary station will cost considerably more than originally estimated, and that is because in the estimates the same rate per horse-power was inadvertently entered for the smaller engines, as for the larger whereas the rate per horse-power is almost twice as much. There is probable saving of about Rs. 37,000 under pipes and valves and of about Rs. 6,000 under laying. The accepted tender for pipe laying is a particularly low one.

2. There is now the question of how the saving is to be apportioned; of course the exact figures can be ascertained only on completion of the works, and it will be sufficient for the present if we deduct a proportionate amount from the original estimate of the cost to each participating party in the joint scheme.

3. The total reduction is from Rs. 4,44,245 to Rs. 4,26,600 or 3.97 per cent. nearly and the shares would stand thus:—

|          | Rs.      | less 3.97 per cent. | Rs.    | Rs.      |
|----------|----------|---------------------|--------|----------|
| Town     | 3,66,435 |                     | 14,555 | 3,51,880 |
| Railway  | 51,623   |                     | 2,050  | 49,573   |
| Military | 20,061   |                     | 797    | 19,264   |
| Jail     | 6,126    |                     | 243    | 5,883    |
| Total    | 4,44,245 |                     | 17,645 | 4,26,600 |

4. As Government towards the town contribution made a grant of Rs. 2,22,000 or 3½ of the amount, Government may fairly claim that proportion of 14,555 or Rs. 8,895, the Council saving Rs. 14,555 — Rs. 8,895 = Rs. 5,660 and the loan for Trichinopoly to be raised should be Rs. 3,51,880 — (Rs. 2,22,000 — Rs. 8,895) = Rs. 1,38,775 less probable savings of say Rs. 35,000 — Rs. 1,03,000.

Tanjore Water Works.

|                                               | (1)<br>Estimated<br>amount. | (2)<br>Tendered<br>amount.            | (3)<br>Probable<br>expenditure. |
|-----------------------------------------------|-----------------------------|---------------------------------------|---------------------------------|
| Infiltration works                            | Rs. 27,650                  | Rs. 27,650                            | Rs. 32,500                      |
| Engine and boiler house including store-shed. | 30,694                      | ..                                    | 27,500                          |
| Engine Driver's quarters                      | 63,000                      | ..                                    | 6,000                           |
| Engines and boilers                           | 2,20,771                    | 1,62,263 lowest.<br>2,08,874 highest. | 1,70,000                        |
| Pipes, valves, &c.                            | 80,925                      | 16,914 lowest.<br>54,486 highest.     | 22,000                          |
| Laying and jointing                           | 3,73,040                    | ..                                    | 3,28,000                        |
| Contingencies, 15 per cent.                   | 55,000                      | ..                                    | 49,200                          |
|                                               | 4,29,000                    | ..                                    | 3,77,200                        |
|                                               | 3,77,200                    | ..                                    | ..                              |
| Saving                                        | 51,800                      | ..                                    | ..                              |

\* Approximate tender without foundation, Rs. 65,000.

The anticipated decrease in the cost is Rs. 51,800. As Government contributed a moiety Rs. 25,900 may fairly be claimed by Government, and the loan about to be raised may be reduced by a similar amount. The reduction in anticipated cost of pipes and laying is Rs. 50,771 and Rs. 8,900 respectively, but the cost of the infiltration works and pumping station basing the cost on tenders obtained at Madura has been slightly increased as shown. It has been thought advisable, seeing that the head works will be so far from town, to make provision for engine-driver's quarters, Rs. 6,000. An approximate tender for engines without foundation show that their cost is likely to be Rs. 65,000, and Rs. 70,000 is entered as the probable total expenditure. The tender for laying and jointing pipes at Tanjore is a particularly low one. A margin has therefore been allowed.

ORDER—dated 21st November 1892, No. 1923 M., Local and Municipal.

Communicated to the Municipal Councils of Madura, Trichinopoly and Tanjore and to the Military, Public Works (Railway) and Judicial Departments.

2. Pending final adjustments on the completion of the works referred to, Rupees 14,287 and Rs. 8,700 respectively of the grants already drawn by the Municipal Councils of Madura and Trichinopoly should be refunded to Government and the Accountant-General will arrange for their recovery. The grant promised to the Tanjore Council will be reduced to Rs. 1,88,600. The recovery from the contribution paid to the Municipal Council of Trichinopoly should, in the opinion of Government, be Rs. 8,700 as shown below and not Rs. 8,895 as calculated by the Sanitary Engineer:—

|                                                 | RS.      |
|-------------------------------------------------|----------|
| Revised estimate for the scheme .. .. .         | 4,26,600 |
| Half contribution payable by Government .. .. . | 2,13,300 |
| Contribution already paid .. .. .               | 2,22,000 |
| Amount to be recovered .. .. .                  | 8,700    |

3. The shares of the Public Works (Railway), Military and Judicial Departments in the estimated cost of the Trichinopoly water-supply scheme will, for the present, be reduced to Rs. 49,573, Rs. 19,264, and Rs. 5,883 respectively. The Consulting Engineer will be instructed in the Public Works Department to arrange for the provision of the first of these sums, and the last two will be provided respectively in the Military and Provincial budgets of 1893-94.

(True Extract.)

J. F. PRICE,  
Chief Secretary.

To the Chairman of the Municipal Council, Madura, }  
 " " " " " Trichinopoly, } through the Collectors  
 " " " " " Tanjore, } concerned.  
 " Accountant-General.  
 " Military Department.  
 " Public Works Department (Railway Branch).  
 " Judicial Department.  
 " Financial Department.  
 " Sanitary Engineer.

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

Issued

Recd.

Encl.

G.O., 21st Nov. 1892, No. 1923 M.

NOVEMBER.

Water-supply Works.

Communicating to the Municipal Councils of Madura, Trichinopoly and Tanjore and to the Military, Public Works and Judicial Departments, with remarks, letter from the Sanitary Engineer, showing the probable ultimate cost of the — of these towns.

Cantonments - Water supply.

No.

7966. 5/16

Government of Madras.

MILITARY DEPARTMENT.

Fort. St. George the 13<sup>th</sup> December 1892

Read Proceedings of Government.

\* Copy attached.

Local and Municipal Department, No. 1923 M. dated 21<sup>st</sup> November 1892.

Order: Communicated to the Public Works Dept. with reference to P.G. No. 3955, dated 22<sup>nd</sup> June 1892, with the request that provision for Rs. 19,264 on account of the initial cost of the scheme, in lieu of Rs. 20,061 may be made in the Madras Military Works Budget for 1893/4.

2. These Proceedings will be reported for the information of the Government of India.

(True Extract.)

W. H. Brigh. Genl.  
Secretary to Government.

To

The Public Works Department.

" Quarter Master Genl.

" Controller of Mil. Accts.

" Local & Municipal Dept.

12.4.20

No. 1653 W.D. 31.5.92  
... 1868. W.D. 27.6.92

No. 66 Waf 14 Jan 93

Encls 1  
Recd 14.12.92

Commnd. to the  
Suptg. Engr. VII Circle in  
confirmation of the under-  
mentioned G.O's.

No. 1653 W.D. 31. May. 1892

" 1868 W.D. 27 June 1892

2. The Govt. of India has  
been requested to provide a  
special allotment of Rs 19264  
vide para 3 of G.O. No.  
3432 W.D. 15.12.1892.

W.D.  
10.1.93

for 11/1/93

B.D.

19/1

Lb. VII circle  
Suptg. Engr. VII  
Circular 1892  
S.C. 1892