

GOVERNMENT OF MADRAS.

LOCAL AND MUNICIPAL DEPARTMENT.

READ—again the following paper:—

G.O., dated 4th August 1886, Mis. No. 747 M., Financial.

Read—the following letter from L. R. BURROWS, Esq., Collector, in charge of the Chairman's Office, Coonoor, to the Chief Secretary to Government, dated Coonoor, 10th June 1886, No. 51:—

I have the honor to submit herewith a plan and estimate prepared by the overseer employed under the Municipal Council of Coonoor, for the drainage of that town. The cost is estimated at Rs. 40,000.

2. The subject of the proper drainage of the Coonoor town has been repeatedly before Government, and has received the anxious attention of the council.

3. With a letter dated 27th March 1882, No. 38, the Collector submitted to Government certain papers for the improvement of the water-supply and drainage of the station. This was disposed of in G.O., No. 3305, dated 20th November 1883, Public Works Department, communicated in G.O., Mis. No. 2771, dated 5th December 1883, in which it was ordered that nothing could be done until a proper survey was first made, the cost of which was estimated at Rs. 1,350. In Mr. Brandt's letter, No. 136, dated 10th December 1883, it was stated that there was no use in going to the expense of survey until the municipality was sure of securing the necessary funds for the works. At the same time a grant from the provincial funds was asked for, and G.O., No. 460, dated 1st March 1884, Financial Department, was passed in reply.

4. By G.O., No. 2756, dated 4th December 1883, Financial, Government were pleased to sanction the raising of Rs. 7,000, required for a new slaughter-house, in the open market, and with regard to the amount required for the water-supply and drainage works, it was intimated that no hope of a provincial grant would be held out until the municipality had exhausted all their available sources of taxation; and by paragraph 1 of G.O., No. 223, dated 31st January 1884, Financial, Government expressed their willingness to recommend a loan when a report to the above effect was made, which was accordingly done in letter, No. 13, dated 24th idem; but G.O., No. 261, dated 4th February 1884, Financial, left the municipality to find the loan in the open market. Paragraphs 4 and 5 of G.O., No. 619, dated 21st March 1884, Financial, intimated that no hope of a provincial grant could then be held out.

5. The drainage of the Coonoor town, among other matters, was most severely criticised in the Sanitary Commissioner's report printed in G.O., dated 5th September 1883, No. 1953, Financial; but the municipal council has been aware of the defects, and its impecuniosity alone has hitherto prevented it from carrying out the necessary works. The estimate now submitted shows that the municipality have carried out a portion of the scheme from their annual revenues, amounting to Rs. 2,835. But at this rate of progress, the completion of the Coonoor drainage can hardly be witnessed in the life-time of any of the existing councillors.

6. With the decision of the Government of India before us, in the parallel case of the application of the Ootacamund municipal council, I fear there is no use in asking for a loan from provincial funds, and that the only course open to the Government is

to advise the Coonoor Municipality (provided the plans and estimate submitted are approved by Government) to endeavour to raise a loan in the open market.

7. It will be a step in advance, however, to have approved of a plan of drainage, and I beg that the plans and estimate now submitted may be ordered to be examined in the Public Works Department, and orders passed upon them.

8. For drainage purposes, the town is divided into two separate areas, Bazaar Hill and Mission Hill. It is proposed to provide open street drains of stone laid in concrete. These will be of various sizes according to requirements. They will discharge into two covered sewers, measuring, respectively, 1,930 feet in length for the Bazaar Hill, and 990 for the Mission Hill, drainage. These sewers will be connected by an iron 9-inch pipe about 50 feet above the lower wooden bridge on the left bank of the Coonoor stream, and will then be continued by means of the pipe to a point below the masonry bridge, across the Coonoor river and there discharged.

9. The report accompanying the estimate does not very clearly describe the arrangements for discharging the surplus drainage on occasions of heavy rain. But the scheme appears to have been carefully worked out, and resembles in its main features the Ootacamund drainage, so successfully carried out by the Public Works Department of Government.

10. I doubt very much whether the council could raise as much as Rs. 40,000 in the open market, were they agreed to try to do so, but they could probably raise half the amount. Considering the importance of Coonoor as a sanitarium, it is a question for Government whether it would not be proper to make a special contribution of Rs. 20,000 from provincial funds on condition that the municipality agree to raise the remainder of the amount in the open market. I would strongly urge this upon the attention of Government. The drainage of Coonoor is in a most unsatisfactory state, and without some substantial aid from Government, I see no chance of any improvement being effected.

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(True Extract.)

(Signed) E. F. WEBSTER,
Chief Secretary.

To the Public Works Department, with C. No. 1215 M.

and enclosures in original to be returned.

Chairman, Municipal Council, Coonoor, through the Collector of Nilgiris.

READ—also the following papers:—

Memorandum from the Superintending Engineer, IV Circle, dated 16th September 1886, No. 358 E.W.

As directed in your endorsement, No. 2774 C., of 13th August 1886, I have the honor to report that the Coonoor drainage scheme appears to have been very carefully drawn up. The estimate has been checked as to quantities and rates, and the latter are lower than Public Works Department rates.

2. There is not the least doubt of the successful working of the scheme; but on one point alteration appears to be desirable; the two main sewers discharge their contents into the Coonoor river by means of a 9-inch pipe 400 feet long, which is estimated at Rs. 1,300. It is recommended that the pipe should be altered to one of 12 inches, which would cost Rs. 2,300.

3. I send herewith for your information an original report on the scheme by the Executive Engineer, Nilgiri Division.

Memorandum to the Superintending Engineer, IV Circle, dated 4th October 1886, No. 3425 C.

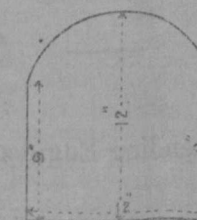
In returning the enclosures of letter from the Superintending Engineer, IV Circle, No. 358 E.W., dated 16th September 1886, the Chief Engineer has the honor to remark that, so far as the open sewers provided for in the Coonoor drainage scheme are concerned, it is probably unnecessary to have any levels, as they run along the streets, the surface of which is, no doubt, arranged so as to fall towards the sewer, but it seems essential for the proper consideration of the scheme that, in regard to the covered drains, levels should be taken.

2. It should be proved that the pipes provided can discharge the amount brought down by the drains, and the Superintending Engineer is therefore requested to furnish further explanation with regard to the discharge of the covered drains and pipes, and to re-submit the papers accompanied by the levels asked for in paragraph 1.

Letter from the Executive Engineer, Nilgiri Division, dated 8th February 1887, No. 3248.

With reference to your memorandum, No. 653-N.I., dated 11th October 1886, I have the honor to report that I have had levels taken down the lines of the main sewers of the proposed Coonoor drainage scheme with the following results:—

- (1) *Bazaar Hill Sewer*—
Length to junction with Mission Hill sewer = 1,700'.
Fall in first 1,100' = 1 in 14.
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- (7) Supposing the Bazaar Hill population to be supplied with 20 gallons of water per head per day and that all this runs away as sewage, the total discharge would only be 15 cubic feet per second, so that both sewers and pipe are ample for the discharge of the sewage; and with regard to the rain-fall, it will be seen from the report that careful arrangements are made to pass across the sewers all rain-fall which they are unable to carry.

Endorsement thereon by the Superintending Engineer, IV Circle, dated 15th February 1887, No. 73 E.W.

Forwarded to the Chief Engineer, Public Works Department, for information, with reference to his memorandum, No. 3425 C., of 4th October 1886. The Executive Engineer's letter shows that the sewers and pipes are sufficient to pass off all ordinary sewage, and that arrangements have been made for rain-fall.

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Copies of the foregoing papers forwarded to the Local and Municipal Department, with reference to G.O., dated 4th August 1886, Mis. No. 747 M., Financial, the enclosures of which are returned.

2. It is considered that the plans and estimates submitted by the Coonoor Municipality may now be accepted.

(By Order.)

25th February 1887. (Signed) W. L. C. BADDELEY, Captain, R.E.,
Under Secretary to Govt., P.W.D.

To the Local and Municipal Department, with papers returned.

ORDER—dated 30th March 1887, No. 299 M., Local and Municipal.

The plan and estimates for the Coonoor drainage scheme, submitted with the Chairman's letter, are approved. Government cannot, in present circumstances, hold out any hope of a grant from provincial funds towards the scheme, but they will have no objection to the council's raising one or more loans in the open market for the purpose. If sufficient funds cannot be raised at once, the work might be carried out in sections.

(True Extract.)

H. E. STOKES,
Ag. Chief Secretary.

To the Chairman, Municipal Council, Coonoor,
through the Collector of Nilgiris, with enclosures returned.
„ Public Works Department.
„ Sanitary Commissioner for Madras.

B. No. 1266 Wd/10 May 1887

Communicated to
the Supg. Engineer IV
Circle with reference
to his letters recorded
within.

1 Sep 1888

Govt. of (1887) Madras.

LOCAL AND MUNICIPAL.

Issued

Recd.

Encl.

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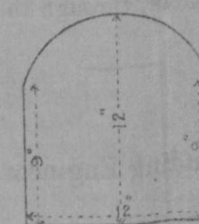
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Exd. A. Raitt.

88c

No 678e. 25-2-87 9-6-258
 No 6783425e. 4-10-86 7-10-9-83
 No 2774e. 13-8-86 2-10-2717W
 No 699W. 14-3-84 27-9-83
 No 3540W. 10-12-83 2-6-83
 No 2568W. 1-12-83 2-6-83
 No 3305W. 20-11-83 2-13-7C. 7-22-83
 No 2059W. 29-10-83 2-13-7C. 7-22-83
 No 1266W. 10-May-1887

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Govt. of Madras.
 LOCAL AND MUNICIPAL.

Comd. to the
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Issued

Recd. 4.5.87

Encl.

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 4.5.87

13-5-87

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12/5/87
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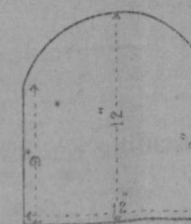
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Letter from the Executive Engineer, Nilgiri Division, dated 8th February 1887, No. 3248.

With reference to your memorandum, No. 653-N.I., dated 11th October 1886, I have the honor to report that I have had levels taken down the lines of the main sewers of the proposed Coonoor drainage scheme with the following results:—

- (1) *Bazaar Hill Sewer*—
Length to junction with Mission Hill sewer = 1,700'.
Fall in first 1,100' = 1 in 14.
Fall in last 600' = 1 in 55.
- (2) *Mission Hill Sewer*—
Length to junction with Bazaar Hill sewer = 950'.
Fall throughout = 1 in 52.
- (3) *12" pipe from junction of two sewers to point of discharge*—
Length = 200'.
Fall = 1 in 53.
- (4) Section of both sewers is—



- (5) The above figures give for the flatter portion of Bazaar Hill sewer, and the whole of Mission Hill sewer, a velocity of 6.5' per second with an area of .925 square feet = a discharge of 6 cubic feet per second. For the 12" pipe, the discharge will be 6.25 cubic feet per second.
- (6) The population of Coonoor according to the last census was about 5,000 divided approximately into 4,000 on Bazaar Hill and 1,000 on Mission Hill.

- (7) Supposing the Bazaar Hill population to be supplied with 20 gallons of water per head per day and that all this runs away as sewage, the total discharge would only be .15 cubic feet per second, so that both sewers and pipe are ample for the discharge of the sewage; and with regard to the rain-fall, it will be seen from the report that careful arrangements are made to pass across the sewers all rain-fall which they are unable to carry.

Endorsement thereon by the Superintending Engineer, IV Circle, dated 15th February 1887, No. 73 E.W.

Forwarded to the Chief Engineer, Public Works Department, for information, with reference to his memorandum, No. 3425 C., of 4th October 1886. The Executive Engineer's letter shows that the sewers and pipes are sufficient to pass off all ordinary sewage, and that arrangements have been made for rain-fall.

No. 678 C.

Copies of the foregoing papers forwarded to the Local and Municipal Department, with reference to G.O., dated 4th August 1886, Mis. No. 747 M., Financial, the enclosures of which are returned.

2. It is considered that the plans and estimates submitted by the Coonoor Municipality may now be accepted.

(By Order.)

(Signed) W. L. C. BADDELEY, Captain, R.E.,
Under Secretary to Govt., P.W.D.

25th February 1887.

To the Local and Municipal Department, with papers returned.

ORDER—dated 30th March 1887, No. 299 M., Local and Municipal.

The plan and estimates for the Coonoor drainage scheme, submitted with the Chairman's letter, are approved. Government cannot, in present circumstances, hold out any hope of a grant from provincial funds towards the scheme, but they will have no objection to the council's raising one or more loans in the open market for the purpose. If sufficient funds cannot be raised at once, the work might be carried out in sections.

(True Extract.)

H. E. STOKES,
Ag. Chief Secretary.

To the Chairman, Municipal Council, Coonoor,
through the Collector of Nilgiris, with enclosures returned.
" Public Works Department.
" Sanitary Commissioner for Madras.

Exd. A. Raitt.

B. No. 1266 Wd/10th May 1887

Govt. of (1887) Madras.

LOCAL AND MUNICIPAL.

Communicated to

the Supg. Engineer IV
Circle with reference to
his letters recorded
within.

Saf. 1088

W

Issued

Recd.

Encl.

G.O., 30th March 1887, No. 299 M.

B. No. 1266 Wd/10th May 1887

MARCH.

Drainage Scheme.

Approving plans and estimates for the Coonoor
—, expressing inability to give a grant from pro-
vincial funds, and stating that there is no objection
to the council's raising loan for the purpose.

With order

S.E. IV 6