Public Works (1897) Department.

G.O., No. 2232 W

DATED 16 October 97

[Despatch Abstract.]

Drainage: Estimate of Rs. 6,250 for the — of Solyappa Mudaly Street, Kumbakonam, sanctioned for execution by the P.W.D.

=

20/1610

90/4

P.W. 23.
[illegible]-30-11-96.

Indexed 2nd 17/8

BACK PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

BUILDINGS AND ROADS.
CIVIL WORKS.

Government {1897} of Madras.
PUBLIC WORKS.

Recd. } 1897. *Enclosures*
Regd. *Spare copies*

G.O., No. 2232 W., 16th August 1897.

AUGUST.

Drainage

Estimate of Rs. 6,250 for the — of Solayappamudali street, Kumbakónam, sanctioned for execution by the Public Works Department.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following papers :—

From Lieutenant-Colonel C. C. RAWSON, R.E., Superintending Engineer, V Circle, to the Chairman, Municipal Council, Kumbakónam, dated Camp Chembarambakam, 10th December 1896, No. 142 M./C.

With reference to your letter, No. 613, dated 5th instant, I have the honour to return the plan and estimate for draining Solayappamudali street, with the following remarks.

2. The rates appear reasonable and the levels have been checked and found correct.

3. The sewage water, however, after being filtered, is shown as passing into the Varaha tank, which is a square masonry built one, used for drinking purposes. On sanitary grounds, this arrangement is objectionable, as although passed through a filter bed, the water must be largely contaminated and unfit for consumption. In my opinion, the sewage water should be diverted and not allowed into the tank.

4. The Olloor channel marked on the survey as entering the Varaha tank, is not the real Olloor channel which lies further south. It is the Thepperamanellore drainage from the nunjah fields on the west.

5. The sewage well and filter are built on very low ground, the level of overflow of the well being 1·50 below the M.F.L. of the site during the north-east monsoon. The ordinary flood level is 55·81, or the same level as the top of the banks of the overflow drainage; in monsoon weather, therefore, these banks would be under water.

No. 126 W./C.

Copy submitted to the Chief Engineer, Public Works Department, for information with reference to G.O., No. 2060 W., dated 16th July 1896.

10th December 1896. (Signed) C. C. RAWSON, Lieut.-Col., R.E.,
Suptg. Engineer, V Circle.

No. 4994 C.

Recorded, pending receipt of the remarks of the Municipal Council on the Superintending Engineer's suggestions.

19th December 1896. (Signed) D. McNEIL CAMPBELL, Col., R.E.,
Chief Engineer.

From Lieutenant-Colonel C. C. RAWSON, R.E., Superintending Engineer, V Circle, to the Chief Engineer, Public Works Department, dated Chepâk, 20th March 1897, No. 99 W.

With reference to your No. 4994 C., dated 19th December 1896, I have the honour to submit plans and estimate for the drainage of Solayappamudali street, Kumbakónam, and to request that they may be sent to the Sanitary Engineer for remarks. I would suggest that the overfall sewer be closed in to keep out flood water; the section shown by Mr. Norfor does not commend itself to me. Mr. Norfor's remarks about the overflow of the unfiltered sewage mixing with the filtered sewage also, I think, deserve consideration by the Sanitary Engineer.

2. Copy of the letter received from Mr. Norfor on the subject is enclosed for information.

No. 1749 C.

Forwarded to the Sanitary Engineer for favour of remarks.

26th March 1897. (Signed) D. McNEIL CAMPBELL, Col., R.E.,
Chief Engineer.

From J. A. JONES, Esq., Mem. Inst. C.E., F.R.S.E., Sanitary Engineer to Government, to the Chief Engineer, Public Works Department, dated 30th March 1897, No. 633.

In reply to your reference No. 1749, dated 26th March 1897, I have the honour to inform you that I am unable to agree with the opinion expressed by Mr. Norfor.

2. He gives no reason for raising the overflow level of the outlet from well and there is a valid reason against his proposal, viz., that the sewer would require *to be more than full* before his overflow could come into operation, the level of the highest part of the sewer being 56·50, while the centre proposed outlet is placed at 57·00. I would rather see the outlet lowered than raised, but it was placed as low as it could be; the less pressure which can be put on the inside of the sewer, the better.

3. With regard to his latter proposal I fail to see the advantage of it. Floods, and especially maximum floods, will occur seldom, and when they do occur it may be taken that there will be no baling of sewage, because it would be useless to clarify sewage that would be much diluted and was to be passed into a large flooded area $1\frac{2}{3}$ to $3\frac{1}{4}$ feet deep, which floods must form a lake over a very large area. If the outlet channel has its bank raised as proposed, the only effect will be that the sewage water during the time of floods will join the flood close to the well instead of a hundred feet further away. The channel into which the filtered sewage will ordinarily discharge would then be no longer a channel or discoverable as one.

4. Nor need the further point be considered, viz., the mixture of filtered and unfiltered sewage; for, as before stated, the sewer will run full and overflow only during heavy rainfall or floods, and at such time it will be impossible to pass the quantity of sewage flowing in the sewer through the sewage filter, and to bail only a minor proportion of the sewage while the majority was otherwise flowing away, would be a useless proceeding.

5. Holding these views, therefore, I fail to see the advantage of Mr. Norfor's proposals.

From Lieutenant-Colonel C. C. RAWSON, R.E., Superintending Engineer, V Circle, to the Chief Engineer, Public Works Department, dated Lower Anicut, 28th May 1897, No. 97 W.C.

With reference to paragraph 2 of G.O., No. 2060 W., dated 16th July 1896, I have the honour to submit, for sanction, the enclosed estimate of Rs. 6,250 for the drainage of Solayappamudali street, Kumbakónam.

No. 2232 W., 16th August 1897.

From Lieutenant-Colonel C. C. RAWSON, R.E., Superintending Engineer, V Circle, to the Chief Engineer, Public Works Department, dated Chepâk, 24th July 1897, No. 280 W.

With reference to your memo., No. 3011 C., dated 30th June 1897, I have the honour to submit the necessary data, in support of the rates allowed for certain items in the estimate for improving the drainage of Solayappamudali street, Kumbakónam.

ORDER—No. 2232 W., dated 16th August 1897.

The estimate amounting to Rs. 6,250 for the drainage of Solayappamudali street, Kumbakónam, is sanctioned for execution by the Public Works Department. The work will be carried out in accordance with the provisions of paragraph 79 *et seq.*, chapter IX, Volume I, of the Public Works Code.

(True Extract.)

Under Secretary to Government.

To the Superintending Engineer, V Circle, with ~~six~~ 3 enclosures.
„ Examiner, Public Works Accounts.
„ Local and Municipal Department.

Exd. T. K. Narayana Aiyangar.

Public Works (1897) Department.

CURRENT No. 7394

Read C. Nos. 11393/96
3043/97
3298 „
5364 „
& 7394 „

Print -

A

Order No. 2232 W, d/ 16-8-97

A.S.H. 13.8.97

The estimate amounting to Rs. 6,250 for the drainage of Solyappa Mudaly Street, Kumbakonam, is sanctioned for execution by the P. W. Department. The work will be carried out in accordance with the provisions of para 79 *et seq*, Chapter IX, Vol I of the P. W. Code.

6/8/97

Cons 6.8.97.

S.J. 11/8/97

To The S. E. V Circle with ~~6~~ enclos
„ Exr. P. W. Accts
„ Local & Municipal Deptt

To the Secy to Govt. L & M. Deptt for favour of counter initials

Note for the Secretary
No objection to this in this department.

11/8/97

B Plus

O.L.S. 351 d/ 11/8

D.N.

A.E. 11-8-97

From The Supy Engineer
5th Circle

No. 280 W.

Dated 24th July 1897.

Received 26-7-97

Enclosures 3

Spare copies

SUBJECT.

Drainage of Solayapp
Moodelly Street Kum
bakonam.

Submitting the nec
-ry data in Suppor
the rates allowed fo
certain items in the
-mate for improving t

BACK PAPERS.

G.O.	No.	Department.	Date.
	3011 C	PW	30-6-97
	2214 C	"	21-4-97
	1749 C	"	26-3-97
	4994 C	"	19-12-96
	3002 C	"	3-8-96
	2060 W	"	16-7-96

FURTHER PAPERS.

G.O.	No.	Department.	Date.

No. 280 W.

SUPERINTENDING ENGINEER'S OFFICE,
V CIRCLE, MADRAS,
Chepák, 24th July 1897

From
Lieut Colonel C C. Rawson R.E.,
SUPERINTENDING ENGINEER,
V CIRCLE,

To
THE Chief Engineer,
P. W. Department,
Madras.

SIR,

Enclosures. 3
1 Data
1 Detailed Estimate
1 Abstract — do —

With reference to your memo No. 3011 C. dated 30th June 1897, I have the honour to submit the necessary data, in support of the rates allowed for certain items in the estimate for improving the drainage of Solayappa Mudaly street, Kumbakonam.

I have the honour to be
Sir,
Your most obedt. Servant

24/7/97
Lt Col R E
Supdg. Engineer, 5 Cir

500—31-3-97.

23.7.97

BACK PAPERS.

G.O.	No.	Department.	Date.
	2214 C	P.W.	21-4-97
	1749 C	„	26-3-97
	4994 C	„	19-12-96
	3002 C	„	3-8-96
	2060 W	„	16-7-96

FURTHER PAPERS.

G.O.	No.	Department.	Date.

No. 97 B/C

SUPERINTENDING ENGINEER'S OFFICE,
V CIRCLE, MADRAS,
Lower Anicut
~~Chepák,~~ 28th May 1897

From
Lieut Colonel C. C. Rawson R.E.
SUPERINTENDING ENGINEER,
V CIRCLE,

To
THE Chief Engineer,
P.W. Department.

SIR,

Enclosures.
1 Detailed estimate
1 abstract — do —
1 Roll of plans.
3

With reference to para 2 of G.O. No. 2060 W. dated 16 July 1896, I have the honour to submit for sanction the enclosed estimate of Rs 6,250/- for the drainage of Solayappa Mudali Street, Kumbakonam.

I have the honour to be,
Sir,
Your most obed't Servant
C C Rawson
28/5/97
Lt Col R.E.
Supt'g Engineer 5th circle.

500—31-3-97.

27.5.97

Public works (1897) Department

1897.
Current Number: 3298

No C 221/AC of 21st April 1897

From

The Sanitary Engineer
to Govt.

No 633

dated 30th March 1897.
Recd: 31.3.97

Enclosures – 2 (1 blan & 1 book of plans) ~~one (current No 3043)~~

Subject

Drainage of Sholyappa Muda street, Kumbakonam

Submitting his remarks on the proposals of the Executive Engineer, Tanjore Division regarding the ——

Copy of the Sanitary Engineer's letter is forwarded to the Supdg Engr V circle with reference to his No 99W of 20 March 1897. The arrangement proposed by the Sanitary Engineer should be adhered to.

13/4/97

C.W.B.
13/4/97

S.E. V circle
with 5 enclos.

Dd 21/4/97

Dd
for orders
1/4/97

INDEXED.

21/4/97

Returned for the drawings [illegible] [illegible]

C.W.B.
1/4/97

Dd

2060 W 16·7·96
3002 C 3·8·96
4994 C 15·12·96
1749 C 26·3·97

S. E./6. 1,000—8-3-97.

No. 633

GOVERNMENT OF MADRAS.

OFFICE OF SANITARY ENGINEER,
Fort St. George, 30th March 1897.

From

J. A. JONES, ESQ., MEM. INST. C.E., F.R.S.E.,
SANITARY ENGINEER TO GOVERNMENT,

To

The Chief Engineer,
Public Works Department.

SIR,

In reply to your reference No.1749 dated 26th. March 1897, I have the honor to inform you that I am unable to agree with the opinion expressed by Mr. Norfor.

2. He gives no reason for raising the overflow level of the outlet from well & there is a valid reason against his proposal viz that the sewer would require to be more than full before his overflow could come into operation., the level of the highest part of the sewer being 56.50 while the centre proposed outlet is placed at 57.00. I would rather see the outlet lowered than raised, but it was placed as low as it could be; the less pressure which can be put on the inside of the sewer the better.

3. With regard to his latter proposal I fail to see the advantage of it. Floods & especially maximum floods will occur seldom and when they do occur it may be taken that there will be no baling of sewage because it would be useless to clarify sewage that would be much diluted & was to be passed into a large flooded area $1\frac{2}{3}$ to $3\frac{1}{4}$ feet deep, ~~and~~ which floods must form a lake over a very large area. If the outlet channel has its bank raised as proposed the only effect will be that the sewage water during the time of

floods will join the flood close to the well instead of a hundred feet further away. The channel into which the filtered sewage will ordinarily discharge would then be no longer a channel or discoverable as one.

4. Nor need the further point be considered viz the mixture of filtered & unfiltered sewage, for, as before stated, the sewer will run full & overflow only during heavy rainfall or floods and at such time it will be impossible to pass the quantity of sewage flowing in the sewer through the sewage filter, & to bail only a minor proportion of the sewage, while the majority was otherwise flowing away, would be a useless proceeding.

5. Holding these views therefore I fail to see the advantage of Mr. Norfor's proposals.

I have the honor to be,
Sir,
Your most obedient servant,

Sanitary Engineer to Government.

8h

Public Works (1897) Department.

SANITARY ENGINEER
Register No. 766
29 MAR 97
TO THE GOVERNMENT OF MADRAS.

CURRENT No. ~~3043~~ E-7
3298/97

No. 1749 ey 26 March 1897

Order Ent.

5-8

Forwarded to the Sanitary Engineer for favour of remarks.

D. McW. Campbell Colonel R.E.
Chief Engr.

Ch

From The Supg. Engineer 5th Circle

No. 99W

Dated 20th March 1897

Received 24.3.97

Enclosures 5x (x 1 Tracing & 1 book of plans)

Spare copies

I/B

SUBJECT.

Drainage of Sholayappa Mudaliar's Street, Kumbakonam—

Submits plans & estimate for the — for remarks by the Sanitary Engineer—

BACK PAPERS.

G.O.	No.	Department.	Date.

FURTHER PAPERS

G.O.	No.	Department.	Date.

SUPERINTENDING ENGINEER'S OFFICE,
V CIRCLE, MADRAS,

No. 99W

Chepák, 20th March 1897.

From

Lieut Colonel C.C. Rawson. R.E.

SUPERINTENDING ENGINEER, V CIRCLE,

To

THE Chief Engineer,

P.W. Department

SIR,

Enclosures. 5

1 Detailed Estt.
1 Abstract — do
1 Revised plan
1 Roll of Plans
1 Copy of the Ex: Engr letter No. 865- d 27-2-97.

With reference to your No. 4994 C dated 19th December 1896, I have the honour to submit plans and estimate for the drainage of Sholayappa Mudaliar's street, Kumbakonum and to request that they may be sent to the Sanitary Engineer for remarks. I would suggest that the over-fall sewer be closed in to keep out flood water; the section shewn by Mr. Norfor does not commend itself to me. Mr. Norfor's remarks about the overflow of the unfiltered sewage mixing with the filtered sewage also, I think, deserve consideration, by by the Sanitary Engineer.

2. Copy of the letter received from Mr. Norfor on the subject is enclosed for information.

I have the honour to be,
Sir,
Your most obedient Servant

20/3/97 Lt Col R.E.
Superintending Engineer
5 Circle

SANITARY ENGINEER
Register No 766
2/4 97
TO THE GOVERNMENT OF MADRAS.

19.3.97

From

THE SUPERINTENDING ENGINEER,
V CIRCLE,

To

THE

Dated }
Recd. } 189

ENCLOSURES.

No.

OCE 6 / 3225/27

Public Works (1896) Department.

CURRENT No. 11393

No. 4994 C of 19.12.96.

Order

Recorded pending receipt of the remarks of the municipal council on the Supdg Engr's suggestions.

18/12/96

S. E. V Circle

19/12

21/12

From The Supdg Engineer 5th Circle.

No. 126 W/C

Dated 10th December 1896.
Received 15.12.96
Enclosures
Spare copies

SUBJECT.

Salayappa Mudali Street in Kumbakonam Submitting copy of letter No. 142/21 Returning the plan and Estimate for draining to the Chairman Municipal Council Kumbakonam for information.

BACK PAPERS.

G.O.	No.	Department.	Date.
	3002 C	P.W.D.	3.8.96
	2060 W	„	16.7.96

FURTHER PAPERS.

G.O.	No.	Department.	Date.

SUPERINTENDING ENGINEER'S OFFICE,

No. 142 M
C

V CIRCLE, MADRAS,
Camp Chembarambakkam
~~Chepák~~, 10th December 1896.

From
Lieut. Colonel C. C. Rawson, R.E.
SUPERINTENDING ENGINEER, V CIRCLE,

To
THE Chairman, Municipal Council
Kumbakonam

Enclosures.

SIR,

With reference to your letter No. 613 dated 5th Instant, I have the honour to return the plan and estimate for Draining Solayappa mudali Street with the following remarks.

2. The rates appear reasonable and the levels have been checked and found correct.

3. The Sewage water, however, after being filtered, is shewn as passing into the Veeraha Tank, which is a square masonry built one, used for drinking purposes. On sanitary grounds, this arrangement is objectionable, as although pass~~ing~~ed through a filter bed, the water must be largely contaminated and unfit for

consumption

consumption. In my opinion, the Sewage water should be diverted and not allowed into the tank.

4. The Olloor Channel marked on the Survey as entering the Veeraha tank, is not the real Olloor Channel which lies further South It is the Thepperamanellore drainage from the nunjah fields on the West.

5. The Sewage well and Filters are built on very low ground, the level of overflow of the well being 1.50 below the M.F.L. of the Site during the North East monsoon. The ordinary flood level is 55.81 or the same level as the top of the banks of the overflow drainage, in monsoon weather, therefore these banks would be under water ~~during M.F.L.~~.

I have etc

(Signed) C.C. Rawson Lieut-Col R.E.

Supdg. Engineer, 5 Circle

No.

No. 1267/C

Copy Submitted to the Chief Engineer, Public Works department for information with reference to G.O. No. 2060 dated 16 July 1896.

C C Rawson

10/12/96 Lieut-Col R

Superintending Engineer

5 Circ

10 December 1896 9.12.96

From

THE SUPERINTENDING ENGINEER,

V CIRCLE,

To

THE

Dated }
Recd. } 189

ENCLOSURES.

No.

[P.W. 25.
1,000—30-11-90.]

Indexed 1818