

Public Works (1897) Department.

G.O., No. 3428 W

DATED 7. December 1897

8/12/97

[Despatch Abstract.]

Water Supply Estimate of Rs. 3389 for providing - to the P.W. Workshops at Madras, sanctioned for execution when funds are available.

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B
7/12/97

Government {1897} of Madras.
PUBLIC WORKS.

Spare copies

DECEMBER.

Estimate of Rs. 3,389 for providing — to the Public Works Workshops at Madras, sanctioned for execution when funds are available.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers:—

From Lieut.-Col. C. C. RAWSON, R.E., Superintending Engineer, V Circle, to the Chief Engineer, Public Works Department, dated Chepāk, 10th September 1897, No. 363 W.

I have the honour to submit, for sanction, the enclosed estimate of Rs. 3,389 for bringing a 5-inch branch pipe into the Public Works Workshops at Madras from the 10-inch municipal main pipe in Mint Street and for connecting the same with the 4-inch pipe near the water-meter.

2. The water-supply of the shops has all along been very insufficient; and the want of water is being felt more than ever now.

From H. A. MOSS, Esq., General Superintendent, Public Works Workshops, to the Superintending Engineer, V Circle, dated 30th October 1897, No. 95 S.E./5.

With reference to your endorsement, No. 324 P.W.S., dated 30th September 1897, I have the honour to inform you that I guessed, the size 5-inch diameter for the pipe as likely to be a suitable size for the pipe. The quantity of water required in case of a fire in the shops would govern the size of the pipe. It was thought that a 5-inch pipe would be sufficient for the purpose.

2. I do not know how to get at the hydraulic gradient in the pipe, but I wrote to the Municipal Engineer to know how much a 5-inch pipe such as proposed might be expected to supply. He has informed me that it will give 125 gallons a minute. That will be sufficient to keep our fire engine going.

3. At present we are helpless in case of a fire, as there is insufficient water available either in the shop or close at hand.

4. If we are to use a smaller pipe, we should have to make a large tank to store water. That would probably be as costly as a larger pipe, and there is no means of arriving at its capacity.

No. 444 W.

To the Chief Engineer, Public Works Department, with reference to his No. 3979 C., dated 27th September 1897.

3rd November 1897.

(Signed) C. C. RAWSON, Col., R.E.,
Superintending Engineer, V Circle.

ORDER—No. 3428 W., dated 7th December 1897.

The estimate, amounting to Rs. 3,389, for providing water-supply to the Public Works Workshops at Madras is sanctioned for execution when funds are available.

2. This sanction has been registered as Provincial No. 69 W. of 1897-98, and classified as Civil Buildings—Original Works.

(True Extract.)

Under Secretary to Government.

To the Superintending Engineer, V Circle, with one enclosure.
" Examiner, Public Works Accounts.

Ext. T. K. Narayana Aiyangar.

[40 / 500]

P. W. DEPARTMENT.

Papers to be read in proceedings:—

Again G.O., dated

189 , No.

Again G.O., dated

189 , No.

Current No. 9145

of 1897, dated 10th September 1897, from the S.R. I Circle

" " 11002

" 1897, " 3rd November 1897 " — Do —

" "

" 189 , " " " 30

3rd Nov 1897

No 3428 W 37.12.97

ORDER.

The estimate, amounting to Rs 3389, for providing water-supply to the P.W. Workshops at Madras, is sanctioned for execution when funds are available.

2. This sanction has been registered as Provincial No 69 W of 1897-98, and classified as Civil Buildings, Original Works.

T/ B. C. B.

to

The S.R. I Circle with 1 enclos.

" Engr. P.W. Accts.

18/11/97

Note

Cost to Govt

W. H. H. 30.11.97

30.11.97

The Supty. Engineer, I Circle, submitted for sanction an estimate of Rs 3389 for bringing in a 5" main pipe into the P.W. Workshops at Madras

by

Public Works Department.

Current No. 9185
Letter No. 363 W
Dated 18th September 1897
From the Supt. Engineer & Circle.

NOTE BY TECHNICAL SECTION.

Name of work Water supply to the

P. W. Workshops at Madras.

Amount of estimate Rs 3389.

The SE & Circle submits for same: an estimate amounting to Rs 3389, for bringing in a 5" main pipe into the P. W. Workshops at Madras by tapping the 10" Municipal main pipe in Mint Street & for connecting the same with the 4" pipe near the water meter & states that the water supply to the shops has all along been very insufficient and that the want of water is being felt more than ever now.

The estimate provides for piping 1375 feet of in length by a 5" cast iron pipe taken from a 10" main & fitted with the necessary bends, branches, valves, hydrants &c. also for removing 600 feet of 2 1/2" cast iron piping on the western side of the workshops.

The rates cannot be checked as the work is special.

Provisi

On

an order of approval. The estimate can only be sanctioned for execution when funds are available.

Cc.

15/9/97

W.

There is nothing to show that 5" is a suitable diameter. The gauge is not stated. Neither is any mention made of the quantity of water to be supplied in a given time. Call for the For orders.

Call for the For orders.

P. W. 60
260-28-4-97.

20.9.97

20/9/97

by tapping the 10" main pipe in Mint Street. In the papers submitted with this estimate there was nothing to show that 5" is a suitable diameter. The gradient was ~~also~~ not stated, nor was any mention made of the quantity of water to be supplied in a given time. Information on these points was therefore called for and the General Superintendent reports that a 5" pipe will supply 125 gallons per minute, which will be sufficient to keep the fire engine going, that ^{under perfect conditions} there will be danger in case of fire, as sufficient water is not available either in the shops or close at hand, and that the use of pipes of a less diameter ^{would} necessitate the making of a large tank to store water, which ^{would} be as costly as the proposed large pipes. It is proposed to sanction the estimate as the Supt. Engineer states that the want of water in the shops is now being felt more than ever. No allotment will, however, be made until the present financial pressure ceases.

sum

2.9.97

4.12.97

W. 30.9.97

May

COM

30.11.97

H. E. 3/12/97 R. 7/12/97

A plan (survey) showing the
line of piping should have ac-
-companying the estimate.

15/9/97

CURRENT No. 11002

Order

From

om The Superintending Engineer
V. C. C.

No. 444 w

Dated 3^d November 1897

Received 5-11-97

Enclosures

Spare copies

SUBJECT.

5 mich ruhe —

Reports that the —
is quite sufficient.

BACK PAPERS.

FURTHER PAPERS.

No.	Date.	No.	Date.
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Copy of a letter from H. A. Moss Esquire General
Superintendent, O.W. Workshops, to the Superin-
tending Engineer, 5th Circle, No. 95-88 of 30th October 1897

With reference to your endorsement No. 324
O.W.S., dated 30th September 1897, I have the honour
to inform you that I guessed the size 5 inch
diameter for the pipe, as likely to be a suitable
size for the pipe. The quantity of water required
in case of a fire in the shops would govern
the size of the pipe. It was thought that a
5 inch pipe would be sufficient for the purpose.

2. I do not know how to get at the hydraulic
gradient in the pipe but I wrote to the munici-
pal Engineer, to know how much a 5 inch pipe
such as proposed might be expected to supply.
He has informed me that it will give 125 gallons
a minute. That will be sufficient to keep our
fire engine going.

3. At present we are helpless in case of a fire,
as there is insufficient water available either
in the Shop or close at hand.

4. If we are to use a smaller pipe we should
have to make a large tank to store water. That
would probably be as costly as a larger pipe, and
these

there is no means of arriving at its capacity.

N^o 444 W

To the Chief Engineer, P.W. Department,
with reference to his N^o 3979 C. dated 27th September

1897.

Aslam

3/11/97

Colonel R.

Superintending Engineer 5 Circle

Public Works (1897) Department.

CURRENT No. 9145

Order N^o 3979 C 27-9-97
Memo:

With reference to the estimate of Rs. 3,389 for water supply to the P.W. Workshops, Madras, received from the Suptg. Engineer V Circle with his letter N^o 363 W of 10 Sept. 1897, the undersigned has the honour to observe that there is nothing to show that 5" is a suitable diameter. The gradient is not stated, neither is any mention made of the quantity of water to be supplied in a given time. It is requested that information on these points may be furnished.

From The Suptg. Engineer V Circle.

No. 363 W
363 W

Dated 10th September 1897

Received 13-9-97

Enclosures /

Spare copies

SUBJECT.

5 inch branch pipe into the P.W. Workshops at Madras—

Submits for sanction the estimate of Rs. 3,389 for bringing a—

May 1.

To The S. E. V Circle

27/9/97

O.L.S. 478 12/11/97

30/9/97

BACK PAPERS.

FURTHER PAPERS.

G.O.	No.	Department.	Date.
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G.O.	No.	Department.	Date.
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SUPERINTENDING ENGINEER'S OFFICE,

V CIRCLE, MADRAS,

Chepak, 10th September 1897

3634
No. 3634

From

Lieut Col L. Rawson R.E.
SUPERINTENDING ENGINEER,

V CIRCLE,

To

THE Chief Engineer,
P. W. Department.

SIR,

Enclosures. /

abstract estimate

I have the honour to submit for sanction the enclosed estimate of Rs 3389/- for bringing a 5-inch branch pipe into the P.W. Workshops at Madras from the 10 inch Municipal main pipe in Mint Street and for connecting the same with the 4 inch pipe near the water-meter.

2. The water supply of the shops has all along been very insufficient; and the want of water is being felt more than ever now.

I have the honour to be
your most obedt servant

Ch. L. Rawson
10/9/97 Lt Col R.E.
Supt Engineer V Circle

6.9.97

Public Works (1897) Department.

CURRENT No. 12

From The Presidency P.W. Workshops.

No.

Dated 18th November 1897.

Received } 23 — " — 97
Registered }

Enclosures

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SUBJECT.

Fire Engine. Reporting on
the capacity of —
on the P.W. Workshops.

W. 50. from the Bench type.
herein.

Comm

24/9/97

estimate

can be sanctioned
with
24.11.97

B

BACK PAPERS.

G.O.	No.	Department.	Date.
	3979	427-9	97 ✓

FURTHER PAPERS.

G.O.	No.	Department.	Date.

Presidency B. W. Workshops,
Madras, 18.11.1897.

My dear Barton
I have found by
actual trial out
steam fire engine
with hose & nozzles
attached & under full
steam discharges
120 gals a min. That
is with one length of
suction hose to crane
through. Attached to a