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MADRAS RECORD OFFICE

Government of Madras

Public Works DEPARTMENT

G.O. No.	911	Press
B.P. No.		Mis. —
Dated	6 - 4 -	6875
		195

Not to be folded or roughly handled

Read the following papers:—

No. 118. From Lieutenant-Colonel J. GODDARD, R.E., District Engineer, Presidency, to Colonel G. W. WALKER, R.E., Chief Engineer, Public Works Department, dated Fort St. George, 22nd October 1874, No. 4,205.

With reference to G. O., No. 1,720, dated 25th June 1874, I have the honor to submit a plan and estimate with specification report, amounting to Rupees 60,650, for laying down water-pipes to the several buildings in Chepauk Park, which have been prepared by the Municipality and checked in my office.

2. Provision has been made for the project in my Manuscript Budget, Part I., Provincial, for 1875-76.

No. 119. Endorsement of the Acting Chief Secretary, Educational Department, dated 26th February 1875.

From E. B. POWELL, Esq., Director of Public Instruction, to the Hon. D. F. CARMICHAEL, Acting Chief Secretary to Government, Fort St. George, dated Madras, 23rd February 1875, No. 395.

I HAVE the honor to submit a letter, No. 652, of the 19th instant, with enclosures, from the Principal of the Civil Engineering College.

2. The matter referred to was dealt with in G. O., Public Works Department, of the 25th June last, No. 1,720.

3. It appears to me that the course proposed by Dr. Connolly should be adopted.

From Lieutenant-Colonel H. T. ROGERS, R.E., Principal, Civil Engineering College, to E. B. POWELL, Esq., c.s.i., Director of Public Instruction, Madras, dated Chepauk, 19th February 1875, No. 652-C.

I HAVE the honor to forward a report on the sanitary condition of the College together with letter, as per margin, from the Surgeon-General, British Medical Service, regarding a case of enteric fever among the Military Students.

2. The desirability of laying on the Red Hills water to the College, alluded to by Surgeon Connolly, has been already brought to notice in my letter No. 1,723, dated 21st May 1874, to your office.

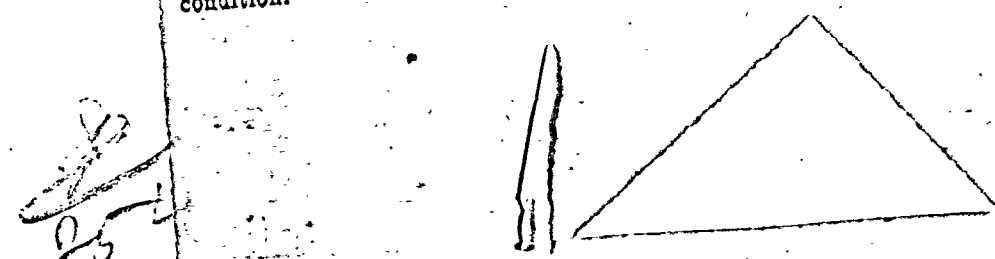
From Surgeon-General C. A. GORDON, M.D., C.B., Surgeon-General, British Medical Service, to Lieutenant-Colonel H. T. ROGERS, R.E., Principal, Civil Engineering College, dated Fort St. George, 13th February 1875, No. 364-75.

With reference to the recent admission to hospital of a soldier from the Civil Engineering College suffering from enteric fever, I have the honor to forward, for your information, a report on the sanitary condition of the quarters occupied by the Military Students by Surgeon P. S. Connolly, A.M.D.

2. The present system of water-supply appears to be defective, and I beg to recommend Surgeon Connolly's suggestion for its improvement for your favorable consideration.

Report on the Sanitary condition of the Civil Engineering College, Madras.

1. *Men's Quarters.*—These are large, roomy, well ventilated, and in a clean and orderly condition.



*Proceedings of the Madras Government, Public Works Department,
6th April 1875.*

2. *Drainage.*—With the exception of a small, bricked open drain, which carries off the waste water from the wash-house, there are no drains in the immediate vicinity of the College.

3. *Latrines.*—Those set apart for use of the Europeans are not sufficiently ventilated, otherwise the general condition of the latrines is satisfactory.

4. *Water-supply.*—The water for drinking and cooking purposes is obtained from a tank about three furlongs from the College. This tank is supplied with water from Red Hills, and being of easy access to natives and others is liable to frequent and serious contamination.

There is a marked want of transparency in this tank water; it has a brackish taste; contains numerous animalculæ, and seems very unfit for drinking purposes.

A water-pipe connecting the College with the pipe opening from Red Hills into the tank above-mentioned would prevent any chance of contamination, and consequent likelihood of an outbreak of disease.

FORT ST. GEORGE,
10th February 1875.

(Signed) P. S. CONNOLLY, Surgeon,
D. D. 21st Fusiliers.

TRANSFERRED to the Public Works Department, with reference to G. O., dated 25th June 1874, No. 1,720, of that Department.

(Signed) D. F. CARMICHAEL,
Acting Chief Secretary.

No. 120. Endorsement of the District Engineer, Presidency, dated Fort St. George, 4th March 1875, No. 6,498.

From J. C. LOCH, Esq., President of the Municipal Commission, Madras, to Lieutenant-Colonel J. GODDARD, R.E., District Engineer, Presidency, dated Madras, 19th January 1875, No. 1,220-2,558.

With reference to Memorandum, No. 862, of the 6th November 1874, from the Chief Engineer, Public Works Department, and your letter, dated 9th idem, No. 4,470, I have the honor to state that the estimate marked No. 1, which

has been already submitted, was prepared in accordance with paragraph 2 of G. O., No. 998, of the 2nd June 1874, sanctioning the eleventh proposal of the Fire Engine Committee. It was also laid before the Board of Revenue, the Superintendent of the Revenue Survey, the Consulting Engineer for Railways, and the Principal of the Civil Engineering College, and approved of by them before it was sent to you.

2. No. 2 (revised estimate) has been prepared on the same understanding, but the situation of the line of pipe has been altered to the west of the College, between the works and the out-offices, and to the east of the Record tower, and the main building of the Revenue Board Office. A saving of 280 feet of 12" piping, or Rupees 3,550 has been thereby effected. The laying of water to several tanks was provided for in accordance with the wishes of the Revenue authorities.

3. No. 3 (revised estimate) has been prepared in accordance with the instructions conveyed in Chief Engineer's Memorandum above noted, but provision has been made to supply the three principal tanks in the Chepauk ground which the Board of Revenue states to be very necessary.

*Proceedings of the Madras Government, Public Works Department,
6th April 1875.*

4. I have now the honor to request that you will be good enough to submit to Government, with your recommendation, whichever of the above three estimates meets with your approval.

SUBMITTED to the Chief Engineer and Secretary to Government, Public Works Department, in obedience to his Memorandum, No. 862, dated 6th November 1874, with the opinion that estimate No. 3 appears to comply with the conditions of the Memorandum above quoted.

1 Plan.
3 Estimates.
2 Specification Reports.

(Signed) J. GODDARD, Lieut.-Colonel, R.E.,
District Engineer, Presidency.

No. 121.

ORDER THEREON, 6th April 1875, No. 911.

CIVIL WORKS, No. 9.

IN G. O., No. 1,720, of 25th June 1874, His Excellency the Governor in Council directed the subject of supplying

Red Hills water to the Civil Engineering College to be dealt with so as to comprehend all public buildings between the Presidency College and Marino Villa.

2. The District Engineer, Presidency, has submitted three estimates of the cost of providing and laying down the necessary piping; two of them providing 12-inch pipes, at a cost of 60,650 and 57,100 rupees, respectively; and the other with 7-inch pipes and corresponding reduction of size of branch pipes, at a cost of Rupees 28,740. It is considered that the 7-inch pipes will be quite sufficient for the requirements of the case; and the lowest estimate is sanctioned accordingly. There being no funds whatever available in the Public Works Department, it will be considered in the Financial Department whether two-thirds of the amount, or Rupees 20,000 in round numbers, cannot be at once provided to carry out the more essential portions of the scheme, leaving the balance to be provided in 1876-77.

(True Extract.)

(Signed) G. W. WALKER, Colonel, R.E.,
Secretary to Government.

To the District Engineer, Presidency.
" Educational Department.
" Financial do.
" Controller of Public Works Accounts.

Exd. A. Grubert.

Spare Copies

No. 4205

From,

The District Engineer
Presidency.

To,

The Chief Engineer, and
Secretary to Govt. S.P.W.

Sir,

With reference to G. O. No. 2720 of 25 June 1874, I have the honor to submit a Plan and Estimate with Specification Report amounting to Rs 60,650 for laying down water pipes to the several Buildings in Shepaul Park, which have been prepared by the Municipality and checked in my office.

2. Provision has been made for the project in my manuscript Budget Part I Prov. for 1875-76.

I have the honor to be
Sir,

Your most obedient servant

Do Governor District Engineer
Licent. Coll. P. B.

Plan and Estimate. Presidency.

Sent with enclosure of 27 June 1874

Enc. 3

1. Plan
1. abstr. Est.
1. Specif. Report.

Fort St. George.
22nd Oct. 1874

Geo. L.

No. 364
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S 10 2
SURGEON GENERAL'S OFFICE,
BRITISH MEDICAL SERVICE,
FORT SAINT GEORGE, 13th February 1875

FROM
~~THE SECRETARY TO THE~~ SURGEON-GENERAL,

BRITISH MEDICAL SERVICE,

TO
THE Principal
Civil Engineering College
Madras.

SIR,

With reference to the recent admission to hospital of a Soldier from the Civil Engineering College, suffering from Enteric fever, I have the honor to forward for your information a report on the Sanitary Condition of the quarters occupied by the Military Students by Surgeon P. S. Connolly, M.D.

1. The present system of water supply appears to be defective, and I beg to recommend Surgeon Connolly's Suggestion for its improvement for your favourable consideration.

I have the honor to be
Sir,
Your most obedt Servant
H. T. Martin Surgeon
for Surgeon General Beloe

W. N. 1874 Del M

No. 6627

The Civil Engineering
Sanitary

Chief Engineer

dated 22nd Oct 1874

Recd. 23rd Oct 1874

Estimate 38000

No 60650 for carrying

heavy water pipes to the

General Building of the

Chaparral & Co. Ltd

68.3.75

From Invoice of 1852/55-
 The Secretary to the
 Surgeon-General,
 British Medical Service
 %
 The Principal
 Civil Engineering College
 Madras
 Sent Serial No. 13742/75
 No. 364
 1852/55
 2/75
 Regarding the
 sanitary condition of the
 quarters occupied by the
 Military Students of the
 Civil Engineering College
 in Coimbatore 822/75

One Report on the sanitary condition of the Civil Engineering College
 One letter No. 364 dated 18th Instant from the Surgeon General British Medical Service
 - to the Principal Civil Eng. College -

No. 652.6. Civil Engineering College
 Chepauk 19th February 1875

From
 Lieut. Col. H. J. Rogers R. E.
 Principal Civil Eng. College
 To
 E. B. Powell Esq. C. S. I.
 Director of Public Instruction
 Madras.

Sir
 I have the honor to forward a report
 on the sanitary condition of the College together
 with letter as per margin from the Surgeon
 General British Medical Service, regarding a
 case of enteric fever among the Military Students.

The desirability of laying on the Red
 Hills water to the College alluded by Surgeon
 General has been already brought to notice
 in my letter No. 172 dated 21st May/74 to your
 Office.

I have the honor to be

Sir

Your most obed^t Serv^t

H. J. Rogers
 Principal C. E. College
 Lieut. Col. R. E.

From
The President Municipal Commission
To
The District Engineer
Presidency

Sir,
With reference to memo. No. 862 of the 6th November 1874 from the Chief Engineer & Co. and your letter dated 9th Sept. No. 4470, I have the honor to state that the Estimate marked No. 1 which has been submitted was prepared in accordance with para 2 of G. O. No. 998 of the 2nd June 1874, sanctioning the 11th proposal of the Fire Engine Committee. It was also laid before the Board of Revenue, the Supt. of the Revenue Survey, the Consulting Engineer for Railways, and the Principal of the Civil Engineering College, and approved by them before it was sent to you.

No. 2 (Revised Estimate) has been prepared on the same understanding, but the situation of the line of pipe has been altered to the west of the College, between the works and the out-offices, and to the East of the Record Tower, and the main building of the Revenue Board office. Laying of 280 ft. of 12" piping at Rs. 3550 has been thereby effected. The laying of water to several tanks was provided for in accordance with the wishes of the Revenue Authorities.

No. 3 (Revised Estimate) has been prepared in accordance with the instructions conveyed in Chief Engineer's Memo. above noted, but, provision has been

3 Estimates
2 Specifications
1 Plan
6 Enclosures

The Principal

to Civil Eng. College

The Director of Public Instruction

Madras

Dated 19th February 1875
A. C. S. S. S.

Forwarding a report on the

Sanitary condition of the College

together a letter from the

Surgeon General regarding

a case of epidemic fever

among the military students

Madras 13th 1875

been made to supply the three principal tanks
in the Chepauk ground where the Board of
Revenue states to be very necessary.

4 I have now the honor to request that
you will be good enough to submit to Government,
with your recommendation, whichever of the above
three Estimates meets with your approval.

I have the honor to be

Sir
Your most obedient Servant

John. Koch.

President Minto Comtee.

Exd
T.M.
Ch.

Memo-1882

Water Supply Project - Cheyenne

The proposals submitted with
letter from Pres. Dist. Aug. 22:
4205 of 22nd October, are con-
sidered unnecessary & hence
give - And as the money
cannot be found to carry
them out, it is suggested that
instead of taking up 1400 ft
of 7" pipe, substituting for
them 12" pipe, and using
that size of pipe for a main
to a total length of 6220 ft.
The 7" piping be continued
as a main to the full extent
required, the branch piping
being proportionately reduc-
ed in size - It is suggested
also that a reduction in
length of main piping may
be made by laying it to
the West of the College, be-
tween the Works and its
Out Officer, and to the East
of the Second Sewer, and the
main building of the Res.
Board Office -

1874

Frank D. D. D.
Water Works

Frank D. D. D.
to the Pres. Engineer
Presidency

No 1228
2038

Endeavour to

Submit - Place
Estimate of the
- President of the
Engineering School
to Cheyenne from

1874

For St. George
42 out March 1875

Submitted to the Chief
Engineer & the 1st of Dec 1874
in October to his Honor
the 1st of Dec 1874

1874 with the opinion that
estimate No 3 of the
- covering with the con-
- of the main - above
- Section - Cheyenne from
Pres. Eng. Presidency

It is remarked that most of the Buildings to be supplied being occupied during the day only, the water is required solely for drinking purposes, an occasional supply to the Tanks only being required; while that for fire purposes if added disproportionately to the cost may be dispensed with. Under these circumstances it is not understood that a 12" piping is necessary.

Lt Col. Goddard is requested to associate himself with the Municipal Engineer in working out the question of supply as economically as possible.

C. M. Mather (Jr.)
Chief Engineer, W.P.W.

Detachment
6th November 1876

1st Battalion, 1st Division

Home 1882-

10

Letter from District Engineer Presidency N-4205
dated 22^d October 1874.

For orders

Submitted for
orders.

Think the plan enormous
costly. Could not a good deal
be saved by taking the main
dressed tree? The park will
branches & the rear of the
building? Why take it all
round the trees? Is it a
comparative plan (quite rough)
prepared in the Cl. by Mr. &
how is it any of the same
Where are the former papers?
The whole should be put up

Comma the Col. A. B.
Secretary to Govt. P. M. D.

29/10

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[Faint handwritten notes, possibly bleed-through from the reverse side.]

Rev. 28/10/14

1167-
1319
5627

With letter of 26th May 1874
the Director of Pub. Instruction
submitted an Est. of \$3460
for improving the Water
Supply to the C. I. College &c.

G.O. N: 1720 of 25th June
directed the subject to be
dealt with so as to com-
prehend all buildings
between the College and
Maine Villa -

Plum & Co. (pols 60, 650)
submitted with Presidency
Dort. Inq's letter of 23rd Oct.
being objected to on account
of the cost, the Hon. Secy.
addressed the Dort Secy.
in Memo. n^o 862 of 6th
Nov. pointing out the
necessity for revision &
the manner in which
it might be effected.

The subject being
again brought to notice
by letter from the Director
of Public Instruction of
29th Decr 1875, bringing
to notice a case of Antonic
Dewey in the C.D. College

attributed to bad water,
reference to the Dorr Log!
has elicited information
of 2 alternative estimates,
No. 2 for \$57100, differ-
ing only from the 1st Est.
in saving 280 ft of 12 inch
piping - \$28210 based

purpose -
No. 3 for A, 28740, used
in the Chief Engineer's in-
structions as to the use of
7 inch pipes in lieu of
12 inch, and correspond-
ing reduction of size of
branch pipes -

The Orders of Govt. on the subject are required, with special reference to the fact that there are no funds available, the Pub. Wks. allotment of Prov. funds having been reduced from 12 to 8 Lacs.

Cunnather (H. S. S.)
 Sec 10 Int. 2532.

6.9.75.

[Handwritten signature]

The lower est. - 2 units
 sufficient 25000 & the
 storage tank with sup
 for battery &
 3 successive Bridges
 of it can be done in
 one year
 14/3 M.
 J. J. J.
 15/3

[Faint handwritten notes in a box]

PROCEEDINGS of the MADRAS GOVERNMENT.

Under date the

13
Read the following:—

From the Madras Presidency (H.O. No. 1205 d/22nd Oct 1874)
 From the Director of Public Instruction thro' the Educ. Dept } (— " 395 d/23rd Feb 1875)
 From the Madras Presidency (— " 6498 d/4th March —)

En L.O. No. 1720 of 25th
 June 1874. His Excellency the
 Governor in Council directed
 the subject of supplying
 Red Hills water to the Civil
 Engineering College to be
 dealt with so as to compre-
 hend all Public buildings
 between the Presidency
 College and Marine Villa
 2. The District Engineer
 Presidency has submitted
 three estimates of the cost
 of

providing and laying down
the necessary piping; two
of them providing 12 inch
pipes at a cost of 60,650
and 57,100 Rupees respectively;
and the other, with 7 inch
pipes and corresponding
reduction of size of branch
pipes at a cost of Rupees 28,740.

It is considered that the 7
inch pipes will be quite
sufficient for the require-
ments of the case; and the
lowest estimate is sanctioned
accordingly. There being
no funds whatever available
in the Public Works Dept
it will be considered in the
Financial Dept whether
two-thirds of the amount,
or Rs 20,000 in round

numbers, cannot be at
once provided to carry out
the more essential portions
of the scheme; leaving
the balance to be provided
in 1876-77.

G.M.W.

D. E. Presidency
Colonial Dept
Financial Dept
Controller - with E. G.
of Rs. 28,740

Dispd. 7-4-75

4 Sp. 2 Asst. and Plain Retd. to the Asst. Secy. Pres.
Memo No. 7757-30-10-76.

662/1319/1467 ✓
Govt. of Madras.
PUBLIC WORKS.

To
Genl Eymier
Presidency

Dated

Recd.

Encl.

G. O. 1875, No.

911

No. 118/21

Water supply to the Public
Buildings in Chepauk -

Estimate for laying
pipes for the —, sanctioned.
Hl Dept requested to allot
two-thirds of the amount for
a portion of the work, leaving
the balance to be provided
in 1876-77.