

(1) Number of pages _____

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MADRAS RECORD OFFICE

Government of Madras

Public Works DEPARTMENT

G.O. No.	261	Press	<i>Original</i>
B.P. No.		Mis.	
Dated	3 - 2 -	1874	
		195	

Not to be folded or roughly handled

1/26/21
Govt. of 1874 Madras.

PUBLIC WORKS.

to the Inspecting Eng^s
for Buildings

Dated

Recd.

Encl. 3

G. O. 3rd Feb. No. 261.

No. 56 & 67

Drain. Paving orders on
letter from the Inspecting Eng^s
for Buildings submitting esti-
mate for a drain from
No. 5 Barrack to the Armourer's
Shop & from the reservoir to
join the main drain at
Wellington.

Proceedings of the Madras Government, Public Works Department,
3rd February 1874.

No. 56. Read the following letter from Colonel E. A. FOORD, R.E., Inspect-
ing Engineer for Civil and Military Buildings, to Colonel G. W.
WALKER, R.E., Secretary to Government, Public Works Department,
dated Bangalore, 5th December 1873, No. 1,620 :—

With reference to the Order of Government of the 19th September, No. 144,

- 1 Plan.
1 Abstract Estimate.
1 Specification.

I have the honour to forward for sanc-
tion an estimate of Rupees 1,920, accom-
panied by plan and specification, for

constructing a drain from No. 5 Barrack to the Armourer's shop, and from the
reservoir to join the main drain in the Cantonment at Wellington.

2. This drainage scheme originated with the Medical Officer at the Depôt,
and the estimate referred to in the Proceedings of Government, Military Depart-
ment, of the 3rd September 1873, was prepared at the request of the Commandant,
and in accordance with paragraph 76, Chapter V., of the Public Works Code. It
originally amounted to Rupees 3,120, but by omitting portions not of importance,
the District Engineer was able to reduce it to Rupees 1,965.

3. The estimate now forwarded is essentially the same, but is accompanied
by a plan showing the position of the drain and the levels of the ground. The
works comprise a masonry drain 382 feet in length to carry off drainage which
now trickles down in an open channel of irregular slope, along the margins
of which there is rank vegetation; the construction of a small cistern behind the
reservoir to collect the overflow, which is to be conveyed into the new masonry
drain through 10-inch earthenware pipes. These pipes were first made by the
present District Engineer and can be laid at one rupee a running foot, while the
cost of the masonry channel is 3 rupees a foot. Masonry drains similar to the one
now proposed have from time to time been constructed in other parts of the
Cantonment. In this case, as the slope of the ground is considerable, I have added
retaining walls at intervals to prevent the possibility of the work slipping.

4. It is chiefly on sanitary ground that this drainage is proposed to be carried
out.

No. 57. ORDER THEREON, 3rd February 1874, No. 261.

MILITARY WORKS, No. 2.

His Excellency the Governor in
Council is not of opinion that the partial
laying down of stone and pipe drains to

the extent projected will materially benefit the Cantonment of Wellington, in a sani-
tary point of view to an extent commensurate with the expense involved. There is
plenty of fall in the ground, and no accumulation of rank vegetation could exist
if the attention of the Conservancy Establishment were from time to time directed
to the channel.

(True Extract.)

Colonel, R.E.,
Secretary to Government.

To the Inspecting Engineer for Buildings.
" District Engineer, Neilgherries.
" Military Department.
Exd. S. T. Austin.
Spare Copies

Govt. of 1874 Madras.

PUBLIC WORKS.

To

THE INSPECTING ENGINEER FOR

BUILDINGS,

&c., &c., &c.

Dated February 3rd.

Recd.

Encl.

G. O., 3rd February 1874, No. 231.

FEBRUARY

Nos. 56-57

Drain.—Passing orders on letter from the Inspecting Engineer for Buildings submitting estimate for constructing a drain from No. 5 Barrack to the Armourer's shop and from the reservoir to join the main drain at Wellington.

Specification

Amount of Estimate Rs one thousand nine hundred & ^{twenty} eighty four

Earthwork—Foundations to be excavated 4 feet wide & 1½ feet deep for main Drain & 4 feet x 2 feet deep for 10" Pipes.

Brick in chunam—Flooring to main Drain to be of Brick in chunam 4' x ¾" side walls to be of Brick in chunam 1½ feet wide at bottom ¾ foot wide at top & 1½ feet high section of waterway to be 1 foot wide at bottom & 2½ feet at top.

Plastering—Side walls including coping to be plastered with loorkee well rubbed & polished.

Asphalting—The floor of main Drain to be asphalted ½ inch thick.

Flooring with 1' sq Bricks—The foot of Reservoir to be built with Brick in chunam 3 feet wide & 2 feet deep & floored with 1' square Bricks on top to protect the foundation.

10" Earthenware Pipes—To be coated with Tar & Asphalt inside and out & laid from Reservoir to main Drain to carry off surplus water.

Jas Morant

Colonial
District Engineers Office
19th November 1873

Capt R.
District Engineer

Amount of Estimate No 1985

to carry off surplus & surface water.

near No 5 Block Barracks

for constructing drains

accompanying Estimate

to be done by 5 Dec 1873

Enclosure in a letter

Nilgerry District

Quantities

Particulars of Work Rate Per Amount Total

125	6. yards earthwork	4	C. yard	31	4
2700	6. feet Brick in Churnam	40	100 cft	1080	
2843	4 feet Plastering with poor kee	10	sq ft	195	97
1956	do do	75	do	289	8
386	do do	25	do	20	9
81	do do	1	sq ft	130	
130	1/2 sq ft 10" earthenware Pipes				

Suppt. & sundries at 10 percent 1746 97
Total Estimate Rupees 1920 129

Rs one thousand nine hundred & twenty

Obtained
District Engineers Office
19th November 1873

per Mr. ... Capt. R. ...
District Engineer

EA Mrd Colonel R. ...
Inspector Engineers for Buildings

No.

1620

From

THE INSPECTING ENGINEER
FOR CIVIL AND MILITARY BUILDINGS,

To

The Secretary to Government
Military Department

Sir,

Enclosures 3

1 Plan
1 abstract estimate
1 specification

With reference to the Order of Government of the 19th September N^o. 184, I have the honor to forward for sanction an estimate of Rupees 1920, accompanied by plan and specification for constructing a drain from N^o. 5 barrack to the Armourers Shop and from the Reservoir to join the main drain in the Cantonment at Wellington.

This drainage scheme originated with the Medical Officer at the Depot, and the estimate referred to in the Proceedings of Government, Military Department.

Nilgung District

Enclosure and a letter
to Mr. J. S. Dec 1873

P. R. 662/143

Abstract Estimate

for constructing drain

near N^o. 5 Barrack Remade
to carry off surface &
rain water.

Amount of Estimate Rs. 1920
1873

of the 3^d September 1873, was prepared at the request of the Commandant and in accordance with para 76 Chapter V of the Public Works Code. It originally amounted to Rupees 3120 but by omitting portions not of importance the District Engineer was able to reduce it to Rupees 1965.

The estimate now forwarded is essentially the same, but is accompanied by a plan showing the position of the drain and the levels of the ground. The works comprise a masonry drain 382 feet in length to carry off drainage which now trickles down in an open channel of irregular slope along the margins of which there is rank vegetation. The construction of a small cistern behind the reservoir to collect

the overflow, which is to be conveyed into the new masonry drain through ten inch earthen ware pipes. These pipes were first made by the present District Engineer and can be laid at one rupee per running foot, while the cost of the masonry channel is three Rupees a foot. Masonry drains similar to the one now proposed, have from time to time, been constructed in other parts of the Cantonment. In this case, as the slope of the ground is considerable I have added retaining walls at intervals to prevent the possibility of the work slipping.

It is chiefly on sanitary grounds that this drainage is proposed to be carried out.

I have the honor to be,
Your most ^{dev}oted servant

E A Midgill R.E.
Inspecting Engineer
for Buildings

Thd.

Letter from the Inspecting Engineer for Buildings
No. 1620 of 5th December 1873 -

Forwarded for order

With remark that the necessity for constructing stone and pipe drains at such cost is not apparent in the first place - And that, secondly, if such necessity be established it does not appear why the masonry drain should stop at B, and not be continued to E or prolonged still further.

There

Kindly submit to the C.E.C. - the object seems the more commendable - with the C.O.D. 28/12

This is not a work of the first importance by any means. It was put forward on sanitary grounds but I have inspected the spot and am not prepared to say that it is for the slightest detriment to the health of the troops from the ~~work~~ being left as it is. It is doubtless un-
likely. I would post-
pone under the present circumstances

O. P. 1843
No. 1620

From
The Inspecting Engineer
for Buildings

To
The Secy. to Govt
B. G. Dutt

Encls: 3

Dated
Recd.
8th Dec 1873

Forwarded for order
on estimate of 11/12/73 for
constructing a drain from
H's Barracks to the
Munro's Shop in
the Cantonment at
Wellington, Wellington
Island.
J. E. 24. 5. 73

W. S. 1843
W. S. 1843

There is plenty of
 fall, and if only the
 Conservancy Establish-
 ment be properly worked,
 there ought to be no
 rank vegetation growing
 alongside the existing
 open Channel

G.M.

662

Conservancy

A. S. M. J. ...

No 261 P.H.D.

Proceedings of the Madras Govt.
 Read the following
 From the Inspector
 for Buildings } (H.E. No 162095⁴ Dey 1/3)

M.B.
 1971

His Excellency
 the Governor in Council
 is not of opinion that the
 partial laying down of
 Stone and Pipe Drains
 to the extent projected
 will materially benefit
 the Cantonment of Welling-
 ton in a sanitary point
 of view to an extent com-
 mensurate with the expense
 involved - There is plenty
 of

of fall in the ground, and
no accumulation of rank
vegetation could exist
if the attention of the
Conservancy Establishment
were from time to time
directed to the channel.

Encs

To The Dt Engr. Kailashnagar
" Dist Engr. for B.P. S
" Mil. Dept.

Recd with S-C 4/2/74.