

(1) Number of pages _____

(2) Date of repair _____

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MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. 167	Press
340-41	Mis.
Dated 20	18

Not to be folded or roughly handled

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*Proceedings of the Madras Government, Public Works Department,
20th January 1869.*

No. 340 Read the following letter from the Acting Superintending Engineer, 4th Division, to the Secretary to Government, Public Works Department, dated Madras, 11th December 1868, No. 4,457 —

2 Plans
1 Estimate
1 Specification

G O, No. 791, dated 15th March 1867.
Do 2,926, „ 20th Sept „
Do 896, „ 19th March 1868
Do 1,873, „ 13th June „
Do 3,463 A,, 6th Nov. „

1. I have the honor, with reference to the Orders as per margin, to submit a plan, specification, and estimate amounting to Rupees 35,550, for constructing drains at the Native Regimental Lines, Royapooram. The plan of drainage has already received the

approval of Government, and was prepared in communication with the Military authorities, the Sanitary Commissioner, and the Municipal Commissioner. It consists of open tiled drains taken along the sides of the streets of the lines, communicating with the compound of each hut, and falling into a masonry oval-shaped stone covered drain, which discharges into the Black Town Municipal drain near the Monegar Choultry.

2. There will be a well sunk, communicating with a flushing reservoir near the head of the main drain, in order that the refuse water from the houses and its impurities may be carried on to the Black Town drain by the periodical flushing which will be obtained. A similar process as regards the street drains will be adopted, as it is proposed to build wells and smaller reservoirs near their heads and where the fall of drain begins.

3. Every advantage has been taken of the natural slope of the ground in order to obtain a maximum fall for the drains. The drains in the streets will have a slope of 1 in 100, and the main one a slope of 2 in 100.

4. When Acting Superintending Engineer for a short period in the last official year, I submitted a plan and estimate for a very similar scheme of drainage for these lines, but the matter remained in abeyance, as Government did not consider that it was expedient to take up the drainage in question until the scheme of a general plan for the town drains have been determined upon. The order is quoted second on the list given above.

5. The reason why the estimate of Rupees 20,000, which was then made, has been considerably increased in calculating the cost of the revised scheme, is owing to the adoption of flushing reservoirs, and an improved section of main and open drain, the former covered with stone flags. This main drain also has been extended 740 feet beyond the original point of debouchure, because it was found necessary to construct an independent drain, in place of discharging into the open ditch of the old fort.

6. As regards paragraph 2 of the Order of the 13th June last, it appears that the delay in submitting the plans and estimates has occurred owing to references having been made to the Municipal department, as Colonel Boileau was desirous that the cost of a portion of the covered drain, which he considered was assisting in the scheme of the town drainage, should be borne by that department. He had also a good deal of correspondence with the Range Officer regarding the directions which the fall of some of the drains should take, causing delay in the preparation of the estimate.

*Proceedings of the Madras Government, Public Works Department,
20th January 1869.*

7 Under the instructions conveyed in the G. O. of the 19th March 1868, the work has been set in hand, and fair progress has been made. On a late inspection I found that most of the street drains in the finished portion of the lines had been laid, and the main drain more than one third completed.

8. In paragraph 5 of the last G. O., quoted above, orders regarding transfers to meet the cost of this work were deferred, but the outlay has to be adjusted later in the year.

No. 341.

ORDER THEREON, 20th January 1869, No 169.

MILITARY WORKS, No. 23.

1. The Government sanction the estimate of Rupees 35,550 for the drainage of the new Native Infantry Lines at Royapooram.

2. It is observed that the work is now in progress under the authority conveyed in G. O., of the 19th March 1868, No 896 Funds to cover the outlay that may be incurred will be made available later in the year.

(True Extract)

Colonel, R E,
Secretary to Government.

To the Superintending Engineer, 4th Division
.. Controller of Public Works Accounts
.. Accountant General
.. Military Department

Exd S T Augustin.

N^o 4457

Sup^r J. Eng^r Office H^o D^o
Madras 11th December 1868

From

Lieutenant Colonel J. Bean R. E.
Acting Superintending Engineer H^o D^o

To,

Colonel C. A. Orr R. E.

Secretary to Government P. W. Dept^o
Fort Saint George

Enclosures

2 Plans

1 Estimate

1 Specification Sir,

G. O. N^o 791 dated 15th March 1867.

do 2926 do 20th September 1867

do 896 do 19th March 1868

do 1073 do 13th June 1868

do 3463 A do 6th November 1868

I have the honor with reference to the Orders as per margin to submit a plan, specification, and estimate amounting to Rupees 35,550 for constructing drains at the Native Regimental Lines Royapooram. The plan of drainage has already received the approval of Government, and was prepared in communication with the Military authorities, the Sanitary Commissioner, and the Municipal Commissioner. It consists of open tiled drains taken along the sides of the streets of the lines, communicating with the compound of each hut, and falling into a masonry oval shaped stone covered drain, which discharges into the Black Town Municipal drain near the Monegar Choultry.

There

2 There will be a well sunk communicating with a flushing reservoir near the head of the main drain in order that the refuse water from the houses and its impurities may be carried on to the Black Town drain by the periodical flushing which will be obtained. A similar process as regards the street drains will be adopted, as it is proposed to build wells and smaller reservoirs near their heads and where the fall of drain begins.

3 Every advantage has been taken of the natural slope of the ground in order to obtain a maximum fall for the drains. The drains in the streets will have a slope of 1 in 100, and the main one a slope of 2 in 100.

4 When Acting Superintending Engineer for a short period in the last official year, I submitted a plan and estimate for a very similar scheme of drainage for these lines, but the matter remained in abeyance as Government did not consider that it was expedient to take up the drainage question until the scheme of a general plan for the town drains have been determined upon. The order is quoted second on the list given above.

5 The reason why the estimate of Rupees 20,000 which was then made has been considerably

considerably increased in calculating the cost of the revised scheme, is owing to the adoption of flushing reservoirs and an improved section of main and open drain, the former covered with stone flags. This main drain also has been extended 400 feet beyond the original point of debouchure because it was found necessary to construct an independent drain, in place of discharging into the open ditch of the old Fort.

6 As regards paragraph 2 of the order of the 13th June last, it appears that the delay in submitting the plans and estimates has occurred owing to references having been made to the Municipal Department, as Colonel Poileau was desirous that the cost of a portion of the covered drain, which he considered was assisting in the scheme of the town drainage, should be borne by that Department. He had also a good deal of correspondence with the Range Officer regarding the direction which the fall of some of the drains should take, causing delay in the preparation of the estimate.

7 Under the instructions conveyed in the Lf. O. of the 19th March 1868, the work has been set in hand, and fair progress has been made. On a late inspection I found that most of the street drains in the

the finished portion of the lines had been laid, and the main drain more than one third completed.

In para 5 of the last G. O. quoted above, orders regarding transfers to meet the cost of this work were deferred, but the outlay has to be adjusted later in the year.

I have the honor to be
Sir
Yours most obedient servant
Rear Lt Col. R. B.
A. J. Sup. J. Engr. 1st D.

C. 187500000 1868000000 189.

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Submitting with
reference to the above, the
particulars and estimate
amounting to Rs. 35,550 for constructing
Drains at the Native
Regiment Lines, Royal
Infantry.

No. 4.

18.4.57.

date 11.3.1868
Recd 12.3

To the Secretary
to the Government

1868
The Chief Engineer 1st D.

Public Works Department
No. 169
Proceedings of the Madras Government
Under date 27th Jan^r 69
Read the following

From The. A. J. Sup. J. Engr. 1st D. } A. G. O. 1868 dated 11th Decr/68

The Government sanc-
tion the estimate of
Rs. 35,550 for the drainage
of the new Native Infan-
try Lines at Royapuram.

It is observed that
the work is now in pro-
gress under the autho-
rity conveyed in G. O.
of the 19th March/68
No. 896, and funds

at
1000

A. A.

is in the
from Rs. 20000
Rs. 35000.

A. A.

to cover the outlay
that may be incurred,
will be made available
later in the year

11/

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W.B.

Ans

To
The Sup't Gen'l 4th Div
4th Cont of P. H. Accounts
3^d Accountant General
1st Military Department
Jan 29/11/18

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Rec 4838
Govt. of 1869 Madras.

PUBLIC WORKS.

To The Superintending Engr.
4th Division

Dated

R 1

G O 20-8-1869 No. 15

Nos. 340-341

Native Infantry Lines at
Royapooram Estimate
of Rs 35550 for the drainage
of the new Native Infantry
Lines at Royapooram, Per
-udency, B. S. S. S. S.