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MADRAS RECORD OFFICE.

Government of Madras.

Public works DEPARTMENT.

G.O. No. 2969	Press ~~Mis.~~
Dated 20. 9. 1867.	

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department.
20th September 1867.

No. 502. Read the following Proceedings of the Madras Government in the
Military Department:—

Passing orders on the Estimate of Rupees }
20,000, for providing egg-shaped covered } (Here enter 14th September 1867, No. 3,476.)
masonry drains, &c., for the drainage of the }
new Native Infantry Lines at Royapooram. }

No. 503. ORDER THEREON, 20th September 1867, No. 2,926.

MILITARY WORKS, No. 35.

Communicated to the Superintend-
ing Engineer of the 4th Division for
information and guidance.

(True Extract.)

(Signed) J. H. M. SHAW STEWART, Major, R. E.,
Under Secretary to Government.

To the Superintending Engineer, 4th Division, with two Plans and two Estimates.

MILITARY DEPARTMENT.
PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following papers :—

From the Acting Superintending Engineer, 4th Division, Madras, 21st August 1867, No. 2469; to the Secretary to Government, Public Works Department, Fort Saint George.

With reference to G. O. No. 791, dated 15th March 1867, I have the honor to

Enclosures 4.
2 Plans.
2 Estimates.

enclose a plan and estimate amounting to Rupees 20,000, for building egg-shaped covered masonry drains, and semi-circular tiled open drains for the drainage of

the new lines now in course of erection for the Native Infantry at Royapooram, Madras.

2. Provision is made for building open drains along each side of the branch streets of the lines, with such a slope as will enable them to discharge into a covered main drain, which will be taken along the centre of one and the side of another of the block of huts, and finally led into the Black Town main drain near the Monegar Choultry. This new main drain will be egg-shaped of the usual approved proportions, built in masonry, and laid in a bed of concrete with hydraulic lime, the inside being plastered with the same material. This mode of construction will render the drain water tight, and prevent any contamination of the soil, with reference to the Seven Wells' water, which has been the subject of G. O. No. 2349, dated 3rd August 1867.

3. The estimate, though I have reduced Captain Goddard's rates so as to make an alteration of 4,000 Rupees, is still very high, but the open drains are of considerable extent, and the main drain is nearly three thousand feet in length, and if it is not covered with masonry, will probably be a great cause of offence to the neighbourhood. In order to reduce the amount and the extent of drainage, I

** Herewith sent.*

had a plan* drawn of an alternative line, and an estimate* made for glazed pot cylinders which could be supplied from

the School of Arts at a much lower rate per foot. The approximate estimate amounted to Rupees 11,800, but these pipes are very apt to be broken, and besides their want of durability, in course of time, I believe, they are more or less porous. I find also that the levels for this line are not favorable, as under the most advantageous circumstances, that is, starting from the highest point of the lines which is in the neighbourhood of the centre street of the main block of the houses, the fall from the surface to the floor of the Black Town drain is only four feet, and the alternative line would have scarcely any fall at all, necessitating, I believe, the original line being adopted, which would increase this estimate by sixteen hundred Rupees.

4. Under all the circumstances, I would recommend the estimate of Rupees 20,000 for sanction, as there is no better out-fall at present to be obtained. The plan has been forwarded to the Sanitary Commissioner and generally approved by him.

Referred to the Military Department, with reference to the Orders in that Department of the 9th March last, No. 854. No funds are at present available.

(Signed) CHARLES A. ORR, Colonel, R. E.,

Secretary to Government.

23rd August 1867.

ORDER, No. 3476, 14th September 1867.

The Governor in Council is of opinion that, pending the settlement of a general plan of town drainage, it is not expedient to give effect to the plan of covered drains proposed for the Native Infantry Lines, in course of erection at Royapooram. It appears to His Lordship sufficient for the present to limit the provision of drains for these lines to such ordinary open drains as may be found to be absolutely necessary—the measure being supplemented, however, by such extra conservancy establishment as will insure perfect local cleanliness.

2. The further consideration of this question will be resumed hereafter, if necessary, in connection with the general plan of drainage for the town.

(True Extract.)

Hamilton Colonel,

Deputy Secretary to Government.

To the Public Works Department, with two plans,
and two estimates. *20 copies of Order*

„ Quarter Master General.
„ Adjutant General, ...
„ Controller of Military Accounts, ...
„ Sanitary Commissioner, ...
„ Inspector General Indian Medical Department, } for information.

*Post St George
20th Sept 1867*

*Forwarded to the
Sanitary Commissioner of the
for information
and guidance.*

M.

29th Sept 1867

Recd

20th Sept 1867

Ed. J. E. Cashart:

Recd 21/9/67

ORDER, No. 3476, 14th September 1867.

The Governor in Council is of opinion that, pending the settlement of a gene-

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Ex: 7. A 3476

ex 2926-20th Sept 1867

Paying orders
on the Estimate of Rs 20000
for providing egg-shaped
covered masonry drains
& for the drainage of the
new Native Infantry lines
at Royapuram.

With an Order

A 502-503

2926

Exd. J. E. Cashart:

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son of the 4
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Pro by 11/19/67

to the plan
no subject
2/19/67

Recd 2/19/67