

Public Works (1899) Department.

G.O., No. 391 W

DATED 8 Feb 1899.

Water Supply of the [Despatch Abstract.] Cuddalore & fail

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

I Reminder issued on 6-6-⁸

Permission should be made
for an aeromotor in connection
with the bench, so that it
may be worked at times
when pin or lathe may be
merely occupied.

Ans
3/2/99

$\frac{1}{2} \times 10 = 5$

1/2 mile

2

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1/5/77

~~6/1/19~~

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BACK PAPERS:

FURTHER PAPERS.

Copy of letter from the Inspector-General of Prisons, Madras No. 295, dated 14th January 1899:-

I have the honour to submit the following report
on the Water-Supply of the Cuddalore District Jail.

2. This Jail has, as Government is aware, being newly built on the Cellular system on Mount Capper, a plateau rising about three miles out of Cuddalore. The site is well-raised, airy and dry, but these features, which are so important for the health of the inmates of the Jail, render the water-supply a matter of some difficulty.

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the penal effect of the Cellular buildings. With these buildings prisoners under longer sentences than formerly will be kept in the Jail, and the risks of taking prisoners outside to bathe would thus be increased.

5. It, therefore, seems necessary to adopt some measures which will make a sufficient supply of water available within the Jail. In order to do this, the following scheme is proposed:—
A well 30 or 40 feet deep and properly protected against surface pollution will be sunk in the bed of the tank, where water can be obtained even in the driest season. Over this well will be erected a force pump, worked by manual (convict) labour, and capable of delivering 1,000 gallons of water per hour into an iron cistern to be erected on the crest of the Hill. From this storage cistern the water would be run by pressure through pipes into the Jail, where it would be supplied at hydrants, all risk of pollution being thus prevented. In order that the pressure may be sufficient to distribute the water to all parts of the Jail, the Storage Cistern at the crest of the Hill should be raised about 15 feet above the ground level at this point. This can be done, as at the Rajahmundry Central Jail and elsewhere, by raising it on masonry arches. A hydrant for the use of the Jail subordinates would be erected somewhere near the Storage Cistern.

6. Enquiries have been made regarding the cost of this scheme. A small sum (about Rs. 100) will be payable to take up the land at or near the well in the lake. As regards the Pump, Messrs Richardson and Cruddas of Bombay report that a 4" or 5" treble barrelled pump, extra-strongly made, with driving gear fitted with capstan head to take poles for, say, 18 men, capable of delivering from 1,000 to 2,000 gallons per hour up a lift of 150 feet and through 800 to 900 feet would cost between Rs. 1,400 and Rs. 1,500. The Storage Cistern, pipes and sinking of well would be additional and the whole scheme would probably cost about Rs. 5,000. The Storage Cistern should be capable of holding about 5,000 gallons of water.

7. If these proposals meet with the general approval of Government, it is requested that the Public Works Department may be instructed to take the necessary steps for the preparation of Plans and Estimates. Even if this is at once commenced, the matter is not likely to be advanced enough for allotment of funds until the

Budget of 1900-1901 is framed next year. The work is hardly one which could safely be undertaken by the Jail Department but any unskilled labour that may be required will be supplied.

C. C.
M. L. H.

31.1.01

[6. / 53]
1,000-27-1-99.



PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following paper :—

Copy
attached.

From the Inspector-General of Prisons, No. 295, dated

14th January 1899.

O. R. D. E. R.:-No. 173, dated 30th January 1899.

The Inspector-General's proposal is approved and
the necessary orders for the preparation of plans and estimates
will be issued in the Public Works Department.

(True Extract)

Archibald

For Chief Secretary.

To

The Inspector-General of Prisons.

Public Works Department.

31.1.99

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