(1) Number of pages 1

(2) Date of repair

(3) Initials of the Reformer

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. 895 Press Mis.

1876-77

Dated 23. 9. 1877.

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department, 23rd September 1867.

No. 570. Read the following letter from the Acting Superintending Engineer, 4th Division, to the Secretary to Government, Public Works Department, dated Madras, 16th September 1867, No. 2,927 :—

1. I have the honor to submit plans and estimates, amounting to Rupees 4,000, for constructing a water reservoir and laying down supply pipes at the General Hospital, Madras, prepared agreeably to the suggestions conveyed in my letter of the 10th June last, No. 1,267, and ordered to be submitted in G. O. No. 2,303 of the 31st July 1867. The Executive Engineer reports that he has a balance of Rupees 1,434 out of the estimate of Rupees 4,540, sanctioned for laying down water to this building and the Penitentiary, which might be made available for the work.

2 Plans.
1 Estimate
1 Specification.

G. O. No. 1,[illegible] dated 27th June 1864.

2. At present the supply as laid down admits of water being drawn off in different portions of the Hospital by branches conducting from the main, to which stand-cocks are attached. The consumption of water by this method cannot be very closely attended to, and wastage to a considerable extent must occur ; but by constructing a reservoir, capable of containing, say, two days' supply, to the east of the Hospital, in immediate connection with the main from the wells, and with its discharge pipe connected with distribution pipes to the wards of the building, the supply to the Hospital must be regulated by the quantity in the reservoir and be entirely dependent on it, so that the wastage is checked.

3. The only alteration required to the existing arrangement of pipes is to disconnect the branches now leading to the Hospital with the main, and to carry on the latter direct to the Penitentiary, where another small reservoir for its supply has been erected. The provision for this piping has been made by me in the Executive Engineer's estimate, and the position of the reservoir has been shifted to the east side of the building from the west, where it was Captain Darrah's intention to place it, for the purpose of gauging the water supplied to the Penitentiary. This arrangement, however, did not provide against the wastage of water in the Hospital, whilst the reservoir was filling, and the Penitentiary may have its own independent supply from the main which may be gauged at its own reservoir.

4. The length of pipe from the Seven Wells is 8,726 feet, and fall 4·6 feet; the head of water is supposed to remain constant at 14·25 feet in the Seven Wells reservoir. The Hospital cistern has been calculated to contain 11,600 gallons, which is ample for two days' consumption, with a small reserve supply, and 400 gallons for the Medical College when that building is ultimately included in the distribution scheme. The maximum head in the reservoir will be eight feet, and the flooring will be three feet above the basement of building to command the stand pipes. These levels will allow of a discharge from the main sufficient to enable the supply to be drawn off in seven hours during the night, for which period the shut-off cocks to the Hospital will be closed.

5. This arrangement will allow of the water being ganged by one man, and instead of having an establishment of five men on six Rupees per mensem each, as sanctioned in the above order, one cock-turner will be sufficient for the Hospital and one for the Penitentiary. The distribution of the water throughout the build-

ings must be left to the Civil and Military authorities connected with them, by whom arrangements can be organized to control the amount of wastage.

No. 571. ORDER THEREON, 23rd September 1867, No. 2,958.

MILITARY WORKS, No. 38.

1. The Government sanction the estimate of Rupees 4,000 for the construction of a Reservoir and for laying down supply pipes at the General Hospital. The work may be proceeded with from the funds which are reported to be available in paragraph 1.

2. Paragraph 5 will be referred to the Military Department.

(True Extract.)

Major, R. E.,
Under Secretary to Government.

To the Superintending Engineer, 4th Division, with two Plans and two Enclosures.
" " Controller of Public Works Accounts.
" " Accountant General.
" " Public Department.
" " Military Department.

Exd. S. T. Augustin.

Superintending Engineers Office
4th Division Madras
16th September 1867.

No. 2927.

From

Lieutenant-Colonel J. Rose R.E.
Acting Superintending Engineer 4th Div.

To

Colonel C. A. Orr R.E.
Secretary to Government P.W.D.

Sir,

I have the honor to submit plans and Estimate amounting to Rupees 4000 for constructing a Water Reservoir and keeping down supply pipes at the General Hospital Madras, prepared agreeably to the suggestions conveyed in my letter of the 10th June last No. 1267, and ordered to be submitted in G.O. No. 2303 of the 31st July 1867. The Executive Engineer reports that he has a balance of Rupees 1234 out of the Estimate of Rupees 4540 sanctioned for keeping down water to the building and the Penitentiary which might be made available for the work.

G.O. No. 1874 dated 29 June 1864

2. Off present the supply as laid down admits of water being drawn off in different portions

portions of the Hospital by branches conducting from the mains to which stand cocks are attached. The consumption of water by this method cannot be very closely attended to, and wastage to a considerable extent must occur, but by constructing a Reservoir capable of containing say, two days supply to the east of the Hospital, in immediate connection with the main from the wells, and with a discharge pipe connected with distribution pipes to the wards of the building, the supply to the Hospital must be regulated by the quantity in the Reservoir and be entirely dependent on it so that the wastage is checked.

3 The only alteration required to the existing arrangement of pipes is to disconnect the branches now leading to the Hospital with the main, and to carry on the latter direct to the Penitentiary, where another small Reservoir for its supply has been erected. The provision for this piping has been made by me the Executive Engineers estimate, and the position of the Reservoir has been shifted to the east side of the building, from the west where it was Captain Darrah's intention to place it, for the purpose of gauging the water supplied to the Penitentiary. The arrangement, however, did not provide against the wastage of water in the Hospital while the Reservoir was filling, and the Penitentiary may have its own independent supply from the main which may be gauged at its own Reservoir.

4 The length of pipe from the wells is 8726 feet, and fall 4.6 feet, the head of water is supposed to remain constant at 14.25 feet in the wells Reservoir. The Hospital Cistern has been calculated to contain 11,000 gallons, which is sufficient for two days consumption, with a small Reserve supply, and 400 gallons for the Medical College when that building is ultimately included in the distribution scheme. The maximum head in the Reservoir will be 8 feet and the flooring will be 3 feet above the basement of building to command the stand pipes. These heads will allow of a discharge from the main sufficient to enable the supply to be drawn off in 7 hours during the night, for which period the shut off cocks to the Hospital will be closed.

This

5

This arrangement will allow of the water being gauged by one man, and instead of having an establishment of 5 men on 6 Rupees per Mensem each as sanctioned in the above order, one Each Turner will be sufficient for the Hospital and one for the Penitentiary. The distribution of the water throughout the buildings must be left to the Civil and Military Authorities connected with them, by whom arrangements can be organized to control the Amount of wastage.

I have &c. &c. &c. to the

Hon
Govt. Genl. Obedient Servant
Lieut Col R.E.
Offg Supt Engr 2 Div



Public Works Department.

No. 2958

PROCEEDINGS of the MADRAS GOVERNMENT.

Under date the 22nd Septr 1867

Read the following

From the Supdg Engineers, 4th Division, (Here enter No. 2927 dated 16th Sept 1867)

The Government is solicited for the estimate of Rs 4000 for the construction of a Reservoir and for laying down sufficient pipes at the General Hospital — The work may be proceeded with from the funds which are reported to be available in Para 6 will be referred to the Executive Dept

Mr.

The Supdg Engr 4 Div with two plans & two Estns.
" Controller
" Accts Genl
" Public Dept
" Exctive Dept

Recd 26/9/67

From The Supdg Engineer 4th Division

To The Secretary to Government No 2927 dated 16th September 1867 Recd 23rd September 1867

Submitting with Remarks Plan & Estimate Amounting to Rs 4000 for constructing a Water Reservoir & Laying down Supply Pipes at the General Hospital.

No 2958 - 22nd Septr 1867

No. 570

2 Para 20th Septr 67 Rd. 20th

Pub: Works 1869 Depart.

Secy. of Govt. for September

No. 2958

Secy. of the Madras Govt.

Dated 23rd September 1869

Sanctioning the Estimate of Rs. 4,000 for the construction of a reservoir and for laying down Supply pipes at the General Hospital

Referring to the Public Department the question relative to the arrangements to be made for the distribution of water from the Reservoir at the General Hospital.

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Rec. 2nd Sept 1869 No. 2958