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MADRAS RECORD OFFICE.

Government of Madras.

DEPARTMENT.

G.O. No. Press / Mis.

Dated 18

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department,
8th October 1867.

No. 140. Read the following Proceedings of the Madras Government in the Military Department, dated 1st October 1867, No. 3,730:—

Proceedings of the Madras Government in the Public Works Department.

(Here enter 23rd September 1867, No. 2,958.)

—

Communicated to Departments concerned, the reduction in the number of cock-turners will be effected on the reservoir being completed, which will be duly reported.

(Signed) R. HAMILTON, Colonel,
Deputy Secretary to Government.

—

No. 141. ORDER THEREON, 8th October 1867, No. 3,115.

CIVIL WORKS, No. 10.

Communicated to the Superintending Engineer of the 4th Division, who will furnish the required report in due course.

(True Extract.)
(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

To the Superintending Engineer, 4th Division.

Exd. S. T. Augustin.

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. 1,874, 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 gauged 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-

Proceedings of Government P.W.D.
No 2958-23rd September 1867

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.)

(Signed) J. H. M. SHAW STEWART, 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.

Military Department
No. 3770.

Communicated to Departments concerned - the reduction in the number of Cooli-turners will be effected on the Reservoir being completed, which will be duly reported.

For Sam George
1st October 1867.

Macmillan Colonel
Dy Secy to Government

To The Public Works Department
- Quarter Master General
- Controller of Military Accounts
- Barrack Master Fort St George.
- Inspector General Indian Medical Department
- Inspector General British Medical Service

for information.

E.T.S.

Calls Nash 1867 No 3115
Prof Grubb Collector
Sept 3/67

Ans: 4th Cl Mass Vol
Maj Gen Meade

Lid

4th Cl Sept 6/67
Asst J Gen

Encl 3770

Commd
with remarks to Dep
Concord, N.H. 6th Sept
23d Sept/67 Regarding
Re-Enrolment and Muster
Discharge of Mr Greene C
Artillery
No 3115-8: Calls Nash 1867
Wants Discharge

No 3115

Commd to Ord Sept the
4th Inst, who will furnish the
req report in due course

Wsth Dn
dupe 9/10/67

Asst Adj Genl
8 October 1867

M.

Ans 11th