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MADRAS RECORD OFFICE

GOVERNMENT OF MADRAS

Revenue DEPARTMENT

G.O. No. / ~~B.P. No.~~	1239	~~Press~~ / Mis.
Dated	26-5-1876	~~196~~ :

Not to be folded or roughly handled

Municipal—Water Supply.

Read the following papers :—

No. 171. From L. R. BURROWS, Esq., Acting President of the Municipal Commission, Madras, to the Hon. W. HUDLESTON, Chief Secretary to Government, Fort St. George, dated Madras, 27th April 1876, G. No. 59 :—

I have the honor to report that I have this day sent the following telegram to your address :—

"General Meeting of Commissioners to-morrow. May I say Government will not incur expense of pumping Red Hills water."

2. Anticipating that a reply to my telegram may not be received in time for to-morrow's Meeting, (in which case it is my intention to call a Special Meeting, if necessary,) I think it my duty to lay before Government the terms on which the Municipality have hitherto been supplied with water from the Red Hills. The negotiations which preceded the agreement and the nature of the agreement itself are accurately set forth in the enclosed printed Proceedings. These Proceedings were submitted to Government with my letter G. No. 373, of the 30th August 1875, but as yet orders have not been passed upon them. The Government will see that the understanding which the Commissioners had when they undertook the Water Works was that Government would supply them annually with any quantity of water not exceeding thirty-two millions of cubic yards, at the rate of 1 Rupee per 1,000 cubic yards.

3. In the official year 1875-76 which has just closed, a sum of Rupees 10,600 for water supplied in the years 1873, 1874, and up to 31st March 1875, was paid to Government by the Commissioners, and there is an allotment in the current year's Budget of Rupees 6,000 for the water taken in the last official year. It is not yet known what is the precise quantity taken up to 31st March 1876, but it is certainly nothing approaching thirty-two millions of cubic yards. In the present year, counting from the 1st of April, a proportionately small quantity will have been taken.

4. The Government will of course form their own opinion on a perusal of the Proceedings herewith submitted, as to whether they are under any obligation to incur expense on account of pumping the water at the Red Hills or whether this expense must be incurred by the Commissioners. But I venture respectfully to submit my own view that the Government cannot in fairness require this charge to be borne by the Municipal Fund.

5. In the temporary incapacity through illness of the Municipal Executive Engineer, Mr. Grainger, the Superintendent of the Government Workshops, has most obligingly undertaken to plan the arrangements for setting up pumps, and to give an estimate of the cost of fixing and the daily working expenses. I will forward these by to-morrow's post, if possible, for the information of Government.

G.O. No.
B.P. No.
Press
Mis.

DEPARTMENT

No. 172. From L. R. BURROWS, Esq., Acting President of the Municipal Commission, Madras, to the Hon. W. HUDLESTON, Chief Secretary to Government, Fort St. George, dated Madras, 3rd May 1876, E. No. 101—145.

I have the honor to forward, with reference to paragraph 5 of my letter of the 27th ultimo, a copy of a Memorandum which has been obligingly furnished by the Superintendent of the Government Workshops.

No. 102—146.

MEMORANDUM.

On 27th April 1876 the water in the Water Works Channel in the Red Hills tank was 5' 7" above the sill of the bottom pipes.

The channel in the tank leading up to these pipes is not floored, therefore, if necessary, it could be deepened throughout its length and the water brought to the foot of the tower in its present channel, if it was even six feet lower than its present level.

A new channel therefore need not be cut if the bed of the present one is excavated two feet deep—the cost of this will be about Rupees 250.

For pumping this water from the channel into the pipes, Gwynne's Centrifugal Pumps should be used. The two nine-inch pumps available on loan from the South Indian Railway Company will pump sufficient water, but these pumps raise the water about eight feet as a minimum height so that the water from the pumps can be delivered into the centre pipe passing into the filter basin. The two pumps may be fixed on cross beams and driven from a counter-shaft fixed to a platform on which the engine rests. The platform to be placed on the road in front of the tower on the tank bund. The cost of fixing the engine and pumps in position will be about Rupees 1,500 including labor, &c.

One 10-horse power engine is sufficient for the two pumps, and will cost about Rupees 2 per hour worked including labor, fuel, &c., provided it does not work less than ten hours at a time.

It would take about three weeks to fix the engine and pumps in position.

28*th April* 1876. (Signed) J. N. GRAINGER,
Supt. of the Govt. Workshops.

No. 173. From Lieutenant-Colonel J. H. M. SHAW-STEWART, R.E., Consulting Engineer for Railways, to Colonel J. MULLINS, R.E., Chief Engineer for Irrigation, dated Madras, 4th April 1876, No. 433.

Railway Department.

With reference to your letter, No. 534, dated 22nd March 1876, I have the honor to inform you that the South Indian Railway have a portable steam engine and two nine-inch Gwynne's Pumps at Madras.

2. The Agent is of opinion that it would be unadvisable to sell them while works of construction are in progress; but, as they are not required at present by the Company, Mr. Betts is willing to let you have "the use of them on the understanding that they be returned on reasonable notice being given of their being required."

3. Mr. Betts states that he is unable at present to lay his hands on the record of the power of the engine, but the machinery can be inspected any time at the Company's Workshops, Egmore.

4. The Madras Railway have no spare pumping machinery.

DEPARTMENT

Proceedings of the Madras Government, Financial Department,
20th May 1876.

No. 800.

Transferred to the Financial Department, with reference to the report of the President of the Madras Municipality, recorded with G.O., No. 620, dated 4th April 1876, Financial.

(Signed) A. DEC. SCOTT, Major, R.E.,
11*th May* 1876. *Under Secy. to Govt., P.W.D.*

No. 174. Proceedings of Government in the Revenue Department, dated 25th April 1876, No. 548.

ABSTRACT.—Communicating to the Financial and the Public Works Departments Proceedings of the Board of Revenue, reporting that orders have been issued prohibiting fresh cultivation of second crop and restricting irrigation to lands watered by the Red Hills tank.

No. 175. ORDER THEREON, 20th May 1876, No. 891.

It is not clear from Mr. Grainger's Memorandum submitted with the second letter from the President, Municipal Commission, how the channel leading to the water-supply pipes can be deepened until a very considerable reduction in the present depth of 5 feet 7 inches has taken place; but it is satisfactory to observe that the total cost of preparations for pumping on the spot will not exceed Rupees 2,000, and that the South Indian Railway can lend the requisite pumps and engine for the purpose, while to fix the machinery in position will take about three weeks.

2. The Governor in Council is of opinion that immediate preparation should be made for carrying out all these preliminary arrangements, and that the services of Captain A. C. Smith, R.E., and of Mr. Grainger should be made available for the work when required.

3. As a second engine should be ready in reserve, preparations should also be made for sending to the spot the Government engine lately in use for pumping near the Fort Sea Gate. The necessary orders will be issued in the Public Works Department.

4. As, however, it appears that three weeks will suffice for preparations, and that the actual necessity for pumping is not, under any circumstances, likely to arise until the end of July, the Governor in Council considers that the interval should be employed in ascertaining whether Pacottas cannot be effectively and economically employed for the purpose instead of steam.

5. The President, Municipal Commission, will in due course submit to Government for consideration a Memorandum of any charges incurred for this work.

(True Extract.)

Chief Secretary.

To the Acting President of the Municipal Commission, Madras.
,, Public Works Department.
,, Revenue Department.
,, Accountant-General.

Exd. T. O'Connor.

No. 2121
Revenue 1875 Department

Govt. of {1876} Madras.

FINANCIAL.

To
THE ACTING PRESIDENT OF THE
MUNICIPAL COMMISSION,
Madras,
&c., &c., &c.

Dated May, 20th.
Issued 24
Recd. 25

G.O., 20th May 1876, No. 891.

MAY.
Nos. 171–175.

Municipal—Water Supply.—Orders passed on certain papers on the subject of pumping water from Red Hills Tank for the supply of the Presidency Town.

No. 1239
Communicated to the
Bd. of Revenue
26 May 1876

DEPARTMENT