M.R.O. 1—77,006—8-6-37.

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(3) Initials of the Referencer_____

MADRAS RECORD OFFICE.

Government of Madras.

Public works DEPARTMENT.

G.O. No. 3187 Press
156-157 ~~Mis.~~ Mi.

Dated 6—10— 1866.

Not to be folded or roughly handled

No. 49.

To

The Secretary to Government
Public Works Department
Fort St. George.

Sir,

With reference to Proceedings of Govern-
ment in the Public Works Department and Order
thereon No. 2714 dated 28th August 1866. page 5,
I have the honor to submit as follows.

2. In compliance with the directions of
Government contained in its Order No. 1920
dated 20th June 1866. Captain Chrystie R.E. &
myself have been engaged in the preparation
of the projects therein called for, the plans and
explanatory drawings are being prepared as
quickly as is possible with the means avail-
able. So far however as completed we have
ascertained that in order to ensure the illumi-
nating power the Government of India are
desirous should be afforded the Soldiers in
Barracks, it will be necessary to considerably
increase the present number of lights, a measure
which I calculate would occasion a daily
Consumption of 15,000 Cubic feet of the mixed
Oil and Coal gas now manufactured
at the Government Works, or 22,000 Cubic feet

of

of Coal Gas calculating the consumption at the rate obtaining in Fort William with 3 Cubic feet burners only; to manufacture and store the first mentioned quantity of gas necessitates the enlargement of the Works to such an extent as completely to occupy the small available Space upon which the present works are constructed.

3. No one can doubt the expediency of lighting the General Hospital with gas with reference to the increased comfort it would afford the patients; the question of its feasibility and cost involves other considerations, from a return furnished by the Quarter Master General department and the Physician to the General Hospital the estimated requirements for lighting the building including Military and Civil divisions comprises 276 hanging lights and 48 wall lights total 324: requiring a daily supply of mixed gas according to my calculation of 8000 Cubic feet, or of Coal gas. Fort William rates 8000 Cubic feet; To enable this supply to be furnished in addition to the requirements of the Fort, it will be necessary to provide for the manufacture & Storage of 20000 Cubic feet of mixed gas, or 30,000 Cubic feet of Coal gas. Even were it deemed advisable so large a quantity of gas should be stored in the immediate vicinity of a Military building like

Fort St George, the Space of land available is insufficient.-

4. I would however venture to suggest for the favorable consideration of Government that, as it now contemplates a very considerable additional expenditure to enlarge the present Works to meet the requirements of the Fort alone, whether it might not be advisable to select a convenient Site elsewhere, and erect an entirely new work which might be made available to the lighting not only of the Fort, and General Hospital, but also the projected Military Hospital, the Government House, Banqueting Hall, General Post Office and other public buildings. Such a Site appears me to be the ground in the vicinity of Burghalls Stables.+

I feel sure its present insanitary condition cannot but be improved by the erection of a gas works, - many of the effete products of which are not in themselves unwholsome the deleterious products chiefly the Sulphuric Compounds might easily be disposed of; this question had perhaps better be referred to the Sanitary Commissioners who if objecting to this might recommend some other Site. If this proposition receive the favorable Consideration of Government it will be necessary to abandon the present project, and substitute for it an estimate for an entirely new work.-

Government

+ belonging to Fort Stores

5.

5. Government in its Proceedings dated 17th October 1864 - Public Department considered a proposition from the Singapore Gas Company for lighting Madras - the subject as regards its feasibility was referred to the Consideration of a Committee appointed in Order No 1167 — dated 17th October 1864. In passing orders upon the Proceedings of this Committee the Government did not deem it expedient to entertain the proposal of the Company - the want of available Municipal funds being I believe a principal reason for this decision.

6. It is evident that the Singapore gas Company looked to the Municipality as its best customer, in order to ensure a remunerative profit to its Shareholders if they were permitted to light Madras with gas - it appears to one however, a remunerative income would be derived from other sources, Government and private - It is very desirable that Madras should not be behind the Sister presidencies in regard to its lighting and although the Municipality may not be able to afford to light the whole of the town of Madras some of the more important thoroughfares might be supplied with gas lights, supposing there were sufficient inducements from other than Municipal sources to encourage a Company in establishing works - It is also desirable that the

5

the Gas Works should not be limited to Government purposes, but be available for private individuals also. I have already pointed out that the requirements for the Port and General Hospital alone would amount to 30,000 Cubic feet Coal Gas per diem - I have not the means of ascertaining the requirements for other public buildings, for Municipal purposes, or private use. I would therefore beg permission to submit for the Consideration of Government whether it would not be advisable to appoint a Committee to collect information on these points and to submit to Government a scheme including the terms upon which certain concessions might be made to the Singapore or other Gas Company, in order to induce them to undertake the Construction of a Gas Works in the Presidency Town; my impression is from some rough calculations I have made, that the Government requirements might be supplied at a charge of 6 Rupees per 1000 Cubic feet to be reduced in the event of the profits reaching a certain per centage to be hereafter fixed to the Calcutta rate of 5 Rupees -

I have the honor to be
Sir
Your most obedient Servant

Madras
4th September 1866

H Goulding Wyndham Lieut.
Superintt Govt Gas Works

Public Works Department
No 3187
Proceedings of the Madras Government
Under date the 6th Octr 1866
Read the following
From
The Superintendent Govt Gas Works
(G.O. No 49 dated 12 Septr 66)

Copy of Letter from the Superintendent of Government Gas Works to the Secretary to the Public Works Department, dated the 28th August 1866.

Sir,

Adverting to the Correspondence noted in the margin, I have the honor to submit for the consideration of Government a Project for increasing the supply of Gas in the Arsenal and Fort Gardens, by the erection of a Gasometer of the following dimensions, viz.

Diameter 60 feet
Depth 12 feet

which would be sufficient for the supply of the Buildings within the Fort and Arsenal Grounds, and which could be erected for the sum of Rupees 3800 as per Estimate No 1, 1920

Should the Project be approved of, I would beg to recommend that the Gasometer be erected by Contract, as I am of opinion that it can be done cheaper than by Departmental Agency.

I have the honor to be
Sir
Your most obedient Servant
(Sd) [illegible]
Superintendent Govt Gas Works

28 August 1866 No 24/14
20 Dec — " — 1920
Copy in a Letter to England
dated 5 March No 10 of 1867.

No 156.
R. C. 28th Septr 1866 R. 12th Octr
2. 19th Septr 1866 R. 20th

P W 1866 Octr
Rs 3800
From
The Supt Govt Gas Works
To
The Secy to Govt
dated

Rs 12" } Septr 66.
Rs 13" }

No 49.

Relative to the lighting of the General Hospital, Residency &c, with Gas, &c.

No 3187 - 6th Octr 66
For Orders

I see no objection to the recommendation of the Committee as recommended by Dr Wyndowe. If my Colleagues concur we might write on the minutes of the Committee and Council

Coll. N.
Secy to Govt

× I see no objection to the appointment of a Committee as recommended by Dr Wyndowe. If my Colleagues concur we might write on the minutes of the Committee and Council

J. W. [illegible]

consumption of 15,000 Cubic
feet of the mixed oil and
Coal Gas which is now
manufactured at the
Government works, or of
22,000 Cubic feet of Coal
Gas, and he suggests
that as this will re-
quire a considerable en-
largement of the Gas
works at the Fort, and
as it is very desirable that
the General Hospital and
other Public Buildings
should be lighted with
Gas, requiring at least
the manufacture of 8,000
Cubic feet more of Coal
Gas, or 30000 Cubic feet
altogether daily, it will
be

be more advisable to erect
an entirely new Gas
Manufactory in some
central position than to
enlarge the present works.
He points out that, as a
proposal lately made
by the Singapore Gas
Company for lighting
Madras was rejected
mainly on the ground
that the Municipal-
funds were not
sufficient for the Municipality
to guarantee a stipulated
consumption of Gas,
it is probable that, with
the increased number of
lights which the Govt now
propose to supply with
Gas, sufficient induce-
ment could be held
out to the Company to

establish themselves at Madras, and the further purposes the appointment of a Committee to collect information on the subject, and to submit a scheme for introducing the Singapore or other Gas Company to undertake the construction of Gas works at the Presidency, and to supply Gas to the Town at a reasonable rate.

The Court fully recognize the great advantage of entrusting such an enterprize as the lighting of the City with Gas to an organized Company, but they are

are unwilling to postpone the thorough lighting of the Bazaars and principal Public Buildings in the Fort till negotiations with the Singapore or other Gas Companies can be brought to a successful issue, and they accordingly desire that the project for effecting the object by the enlargement of the existing works may be submitted to them as early as possible, leaving the question of lighting the General Hospital and other Public Buildings, as well

[illegible] the Journ[illegible] for
[illegible] consideration

To
The Supt[t]s of the Works
" Public Departments
" Supt[t]s Engrs of the 4 Dis[ts]
" Military Depart[t]s

3/

Copy sent to Kellands England
per S. Mundy No 10 of 1867

Rec.d 1866 Oct.r

Rec.d of the Govt. from Oct.r 66

No. 3 1867

Rec.d of the Madras Govt

of 6th Oct.r 1866

Copying orders on
a letter from the Supt. of
Gas Works, relative to the
Enlargement of Gas Works
in Fort St George on the
Organization of a Com.
. Kany to undertake the
Construction of Gas Works
at the Presidency -

No. 156. 157.

Rec.d 25th Oct.r 1866 Ans.d 10th Oct.r 166.