

MADRAS RECORD OFFICE.

Government of Madras.

Public DEPARTMENT.

G.O. No.	<u>510</u>	Press
	<u>40-41</u>	~~Mis.~~
Dated	<u>7-5</u>	18 <u>67</u>

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Department,

7th May 1867.

No. 40. Read the following Proceedings of Government, in the Public Works Department, dated 2nd May 1867, No. 1315.

Calling for a report as to whether the
piece of ground beyond Laybourn's } (Vide Proceedings, Public Works De-
bakery is Government property, in view } partment, dated 2nd May 1867, Nos.
to its being used as a site for Gas } 46 and 47.)
Works.

No. 41. ORDER THEREON, 7th May 1867, No. 510.

To be recorded.

(Signed) A. J. ARBUTHNOT,
Chief Secretary.

x 3

*Proceedings of the Madras Government, Public Works Department,
2nd May 1867.*

No. 46.

Read the following Report :—

No. 41.

1. The undersigned, in accordance with the instructions conveyed in the Government Order dated 29th March 1867, No. 993, have examined the ground recently used for the deposit of town sweepings behind Burghall's stables, and concur with the Sanitary Commissioner in recommending that no building be erected on this site until this ground has been purified and cleaned by cultivation. The disturbance of the ground, which would be necessary to lay the foundations of the gas works, would at present be attended with risk to the public health.

2. The undersigned see no objection to the location of gas works either at Burghall's stables or on a piece of ground, pointed out by Mr. Orr, beyond Mr. Laybourn's bakery.

Before arriving at this conclusion, they have thought it proper to consult Dr. Wyndowe, the Chemical Examiner, and who is well acquainted with the various processes of gas making, as to any nuisance which would be created by gas works in this neighbourhood.

3. Dr. Wyndowe's reply, appended, shows that under certain precautions, which may be required of the Gas Company before giving them either of the sites now recommended, gas works may be built in the places above mentioned without any inconvenience or danger to the public health.

(Signed) R. S. ELLIS.

Sanitary Commissioner for Madras.

(„) W. MACKENZIE, M. D.,

Inspector General, Medical Department.

(„) C. DENISON,

President, Municipal Commission.

MADRAS,
16th April 1867.

From Surgeon S. J. Wyndowe, M. D., Chemical Examiner, to the Sanitary Commissioner, dated Madras, 15th April 1867.

The substances, whatever they may be, which are converted into gas, are heated in closed retorts. The illuminatory portion passes on to the gas holders, the condensible products and impurities being removed between the retorts and the gas holders. The condensible products are chiefly tar and water. Even if a portion of these is wasted and drains away, there is nothing unwholesome in them, themselves; they might, however, affect the fish in the Cooum. The unhealthy products are the impurities, as ammonia, carbonic acid, and sulphur compounds. These, if the purification be complete, should all be retained by the water, lime, and iron oxide used; the ammonia can be fixed by the addition of an acid, and if proper provision were insisted upon for the removal, to a distance, of the spent lime and iron, I do not think any serious consequences to the public health would result if gas works were constructed at Burghall's stables, as you say evil might result were the recently accumulated dirt heap in the vicinity stirred up. As regards smoke, coke being used as the fuel, this is quite unimportant. The drainage from the works is pretty well saturated with tar water. Whether this should be conducted to the Cooum or no it is of course for you to decide. I should think if carried into that big sewer which now falls into the Cooum near the bridge, the addition would be beneficial rather than the contrary. The accumulated refuse would, for a small work, not be more than two or three cart loads daily, I should say, at a rough guess. I would have it however removed to a distance, for it gives off unwholesome gasses. I think this answers your questions. If there is any particular point you require more in detail, I will, at your request, give the information as far as in my power. Proceedings of Government and Mr. Orr's letter all herewith returned.

*Proceedings of the Madras Government, Public Works Department,
2nd May 1867.*

No. 47.

ORDER THEREON, 2nd May 1867, No. 1,315.

CIVIL WORKS, No. 6.

Under the opinion expressed by the Committee, the Government regret that the ground behind Burghall's stables cannot be made available for the erection of the proposed Gas works. The Collector of Madras will, however, be requested to report, in communication with the Municipal Commissioners, whether the piece of ground beyond Laybourn's Bakery, referred to in paragraph 2 of the Committee's letter, is the property of Government.

(True Extract.)



Colonel, R. E.,

Secretary to Government.

To the Collector of Madras.

„ Municipal Commissioners.

To Mr. P. Orr.

To the Sanitary Commissioner.

„ Inspector General, Medical Department.

„ Public Department.

„ Military Department.

„ Superintending Engineer, 4th Division.

„ Superintendent Government Gas Works.

No 514 July 21st 22
- 20th July - 9000

list of 16 May

Public 1887 Sept-
May 7 May

New York Pro-De-
No 1818-

2203 May 107

May 107

No 608

Calling for a report on 5
about the price of iron.
Beyond day's work's day
is good property in iron
but being used as a bit
for good work.

May 1887 No 570-
to be a report