The Environment (Protection) Rules, 1986

Sr. No. | Industry          | Parameter | Standards |
--------|-------------------|-----------|-----------|
1       | GLASS INDUSTRY    | EMISSIONS |           |
        |                   | A. Sodalime & Borosilicate |           |
        |                   | and other special Glass |           |
        |                   | (other than Lead)          |           |
(a) Furnace : Capacity |
(i) Upto a product draw capacity of 60 MT/Day | Particulate Matter | 2.0 kg/hr. |
(ii) Product draw capacity more than 6 MT/Day | Particulate Matter | 0.8 kg/MT of product drawn |
(iii) For all capacities | Stack height | \( H = 14(Q)^{0.3} \) where \( Q \) is the emission rate of \( \text{SO}_2 \) in Kg/hr. & \( H \) is Stack height in meters. |
| Total Fluorides | 5.0 mg/NM³ |
| Nox | Use of low Nox burners in new plants |
(b) Implementation of the following measures for fugitive emission control from other sections :
(i) Raw materials should be transported in leak proof containers.
(ii) Cullet preparation should be dustfree using water spraying.
(iii) Batch preparation section should be covered.

B. Lead Glass
(a) Furnaces :
| All capacities | Particulate Matter | 50 mg/NM³ |
|                | Lead | 20 mg/NM³ |
(b) Implementation of the following measures for fugitive emission control from other sections:
(i) Batch mixing, proportioning section and transfer points should be covered and it should be connected to control equipments to meet the following standards :
| Particulate matter | 50 mg/NM³ |
| Lead | 20 mg/NM³ |
(ii) Minimum Stack height should be 30 metres in lead glass units.
(c) Pot furnace at Firozabad | Particulate matter | 1200 mg/NM³ |

Note : Depending upon local environmental conditions, State/Central Pollution Control Board can prescribe more stringent standards than those prescribed above.

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1 S.No. 48 to 55 and entries relating thereto inserted vide GSR 93(E) dt. 21.2.91 published in the Gazette No. 79 dated 27.2.91.
<table>
<thead>
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<th>Sr. No.</th>
<th>Industry</th>
<th>Parameter</th>
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<tr>
<td>1</td>
<td>Glass Industries (for all categories)</td>
<td>EFFLUENTS:</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>pH</td>
<td>6.5 – 8.5</td>
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<tr>
<td></td>
<td></td>
<td>Total Suspended Solids</td>
<td>100 mg/l</td>
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<td>Oil &amp; Grease</td>
<td>10 mg/l</td>
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49. **LIME KILN**

Capacity:

- **Upto 5 T/day**
  - Stack Height
  - A hood should be provided with a stack of 30 meter height from ground level (including kiln height).

- **Above 5T/day**
  - Stack height
  - \( H = 14(Q)^{0.3} \) where \( Q \) is emission rate of \( SO_2 \) in kg/hr and \( H \) = Stack Height in meters.

| More than 5T/day and up to 40 T/Day | Particulate matter | 500 mg/Nm\(^3\) |
| Above 40T/day                      | Particulate matter | 150 mg/Nm\(^3\) |

50. **Slaughter House, Meat & Sea Food Industry**

**Category**

- **A. Slaughter House**
  - (a) **Above 70 TLWK/day**
    - BOD \(^1\) \([3 \text{ days at 27}\,^\circ\text{C}]\) | 100 |
    - Suspended Solids | 100 |
    - Oil and Grease | 10 |
  - (b) **70 TLWK/day below**
    - BOD \(^1\) \([3 \text{ days at 27}\,^\circ\text{C}]\) | 500 |

- **B. Meat Processing**
  - (a) **Frozen Meat**
    - BOD \(^1\) \([3 \text{ days at 27}\,^\circ\text{C}]\) | 30 |
    - Suspended Solids | 50 |
    - Oil & Grease | 10 |
  - (b) **Raw Meat from own Slaughter House.**
    - BOD \(^1\) \([3 \text{ days at 27}\,^\circ\text{C}]\) | 30 |
    - Suspended Solids | 50 |
    - Oil & Grease | 10 |
  - (c) **Raw Meat from other sources**
    - Disposal via Screen and Septic Tank.

- **C. Sea Food Industry**
  - BOD \(^1\) \([3 \text{ days at 27}\,^\circ\text{C}]\) | 30 |
  - Suspended Solids | 50 |
  - Oil and Grease | 10 |

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\(^1\) Substituted by Rule 2 of the Environment (Protection) Amendment Rules, 1996 notified by G.S.R.176(E), dated 2.4.1996 may be read as BOD (3 days at 27°C) wherever BOD 5 days 20°C occurred.