



**JSW** Cement  
AIR EMISSIONS  
MANAGEMENT POLICY

## AIR EMISSIONS MANAGEMENT POLICY

### PREFACE

<b>Title</b>	<b>Air Emissions Management Policy</b>
<b>Version Number</b>	<b>1.00</b>
<b>Effective Date</b>	<b>04.08.2020</b>
<b>Authorised by</b>	<b>Board of Directors</b>
<b>Number of Revisions</b>	<b>0</b>
<b>Last Revised Date</b>	<b>-</b>

As part of our efforts to deliver our Sustainability Vision, we at JSW Cement Limited (**'JSW'**) have established this Policy to demonstrate our commitment to preventing, abating and mitigating polluting emissions to air.

In furtherance of this commitment, the Board of Directors has adopted this 'Air Emissions Management Policy'.

#### Background of the Issue

Many industrial processes generate a wide variety of polluting emissions to air. Some of these emissions, such as carbon dioxide and methane, are directly linked to the global issue of climate change\*, whilst other emissions such as smoke, dust and fumes can result in a local environmental issue\*\*.

However, there are some polluting emissions to air (such as particulates, nitrogen oxides, ammonia, volatile organic compounds, sulphur dioxide, etc.) which are responsible for a variety of national and regional impacts (such as acid rain, damage to the ozone layer, chronic human health issues, etc.) and therefore require effective management.

#### How it Relates to JSW

As one of India's leading conglomerates within the steel, energy, cement and infrastructure sectors, many of our activities result in the generation of the different polluting air emissions. Whilst we have always sought to minimise these emissions and have always worked within any relevant regulatory frameworks relating to air emissions,

we recognise that we have a moral and social need to do much more.

In pursuance of our stated commitments to prevent, abate and mitigate our emissions to air, we have adopted a number of aims towards which we will strive.

These aims are supported by a range of actions and improvements through which those aims are to be achieved.

**We aim to gain a full and detailed understanding of the size and nature of all our polluting air emissions.**

To do this we will:

- Undertake a rigorous assessment of:
  - All the air emissions from all our sites to determine where those emissions come from;
  - The potential pollutants that each air emission may contain;
  - All treatment and abatement mechanisms employed at our sites, including an evaluation of their effectiveness at removing pollutants;
  - The nature and scale of the 'receiving environments'\*\*\* in terms of their susceptibility to the impacts of air pollution, engaging with local stakeholders whilst doing so.
- Develop programmes to:
  - Prevent or minimise the creation of air emissions in the first place through improved efficiency, the use of new technologies and changes in processes;
  - Use new abatement technology and innovation to improve the means by which air emissions are treated on our sites, thereby improving the quality of any eventual air emissions;
  - Identify any adverse impacts associated with our air emissions and seek to mitigate these wherever possible;
- Monitor, on a regular basis, both the quantities and quality of air emissions we produce and the quantities of any pollutants within those air emissions to see how we are progressing, reporting on this progress to our stakeholders.

In the meantime:

**We aim to continue our current efforts to prevent or minimise the amount of polluting air emissions we produce.**

To do this we will continue to:

- Exploit existing opportunities to prevent and minimise the creation of polluting air emissions on our sites;
- Educate our employees about the causes and impacts of polluting air emissions so they can, with our help, minimise their own impacts both at work and, if possible, at home;
- Support research into the development of new and innovative technologies within our industries that will contribute to reductions in polluting air emissions at our sites.

**We also aim to continue our current efforts to reduce the potential impacts of our air emissions through effectively treating and abating the emissions we cannot avoid.**

To do this we will continue to:

- Exploit existing opportunities to improve the efficiency and effectiveness of air emission treatment and abatement activities on our sites;

- Closely monitoring the quantity and quality of our emissions to ensure defined limits are not exceeded;

**We aim to promote air emission prevention, abatement and mitigation across all our suppliers and business partners.**

To do this we will:

- Define and openly share in a Code of Practice the minimum expectations we have of our suppliers and business partners in relation to the prevention, abatement and mitigation of emissions to air;
- Establish a detailed and transparent process through which the attitudes, risk profile and performance of each and every supplier and business partner with regards to a range of sustainability issues, including air emissions, is evaluated;
- Encourage those suppliers and business partners whose attitudes and performance most closely matches our own aims and aspirations.

**We aim to do what we can to help mitigate the effects of polluting air emissions across India.**

To do this we will:

- Support local projects that aim to mitigate impacts associated with polluting air emissions;
- Support local stakeholders in efforts to identify potential air emission risks and mitigation solutions;
- Report regularly on all our efforts relating to this aim, be that at a site-level with our local communities, and at a corporate level with our wider stakeholders.

**We will continue to be fully committed to our statutory and voluntary obligations relating to air emissions.**

These include:

- Montreal Protocol on Substances that Deplete the Ozone Layer;
- All local and national statutory regulations relating to air emissions prevention, abatement and mitigation;
- Reporting of our performance on the issue of air emissions.

**We will prohibit the use of any new HCFCs or HFCs within any of our plants\*\*\*\*.**

The achievement of our aims and the delivery of the improvements to achieve them, the fulfilling of our compliance obligations, and the enforcement of our prohibitions will all be managed through the Sustainability Framework that JSW is committed to implementing and maintaining across all our sites.

\* Refer to JSW's Climate Change Policy

\*\* Refer to JSW's Local Considerations Policy

\*\*\*Receiving environments are defined as the entity which may be harmed by a hazard from an air emission e.g. a person or persons, property, a habitat, a species of flora or fauna, etc.

\*\*\*\* where such gases continue to be used in old equipment, this equipment will be closely monitored for leakages and the replacement of the equipment will be prioritised. This is in addition to our commitment to uphold the ban on the use of CFCs within any of our plants.