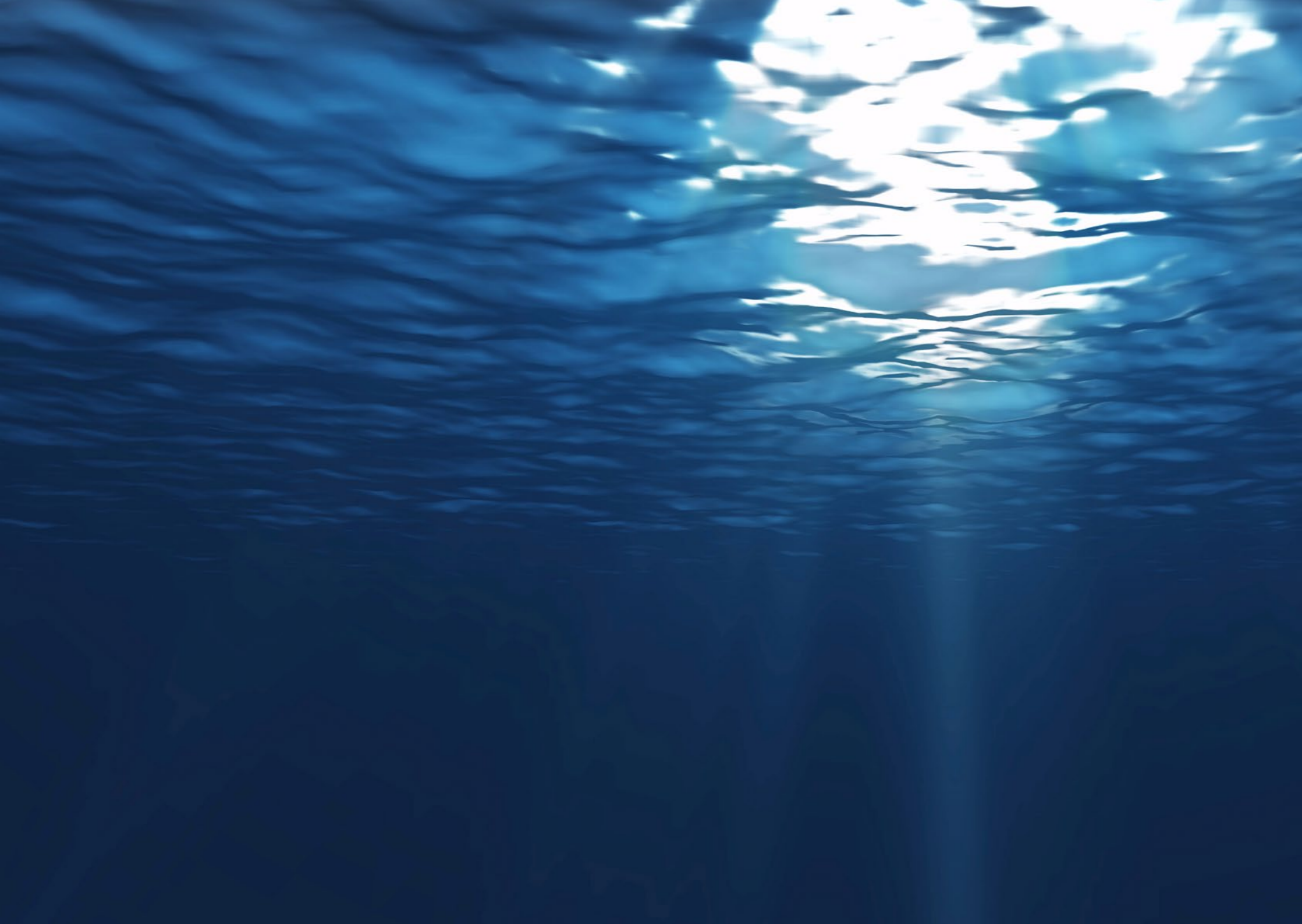




Environmental Policy  
Incorporating Internal CO<sub>2</sub> Neutrality



# INDEX

01. The Necessity of Preventing Climate Change .....	3
02. Combatting Climate Change – Practical Steps.....	7
03. First Step – Policy and Communication .....	8
04. Second Step – Objective Metrics .....	10
05. Third Step – Setting of Benchmarks [Objectives] and Identification of Pragmatic Measures.....	15
06. Specific Objectives and Actions – Environmental Policy.....	17
07. Summary, Declarations, and Concluding Information.....	23





Protect your enthusiasm, simplicity and compassion, and you will be far more effective in preserving your environment. Gurudev Sri Sri Ravi Shankar

## 01. The Necessity of Preventing Climate Change

- 1.1. In 2015, the countries of our world came together and adopted the Paris Agreement, often referred to as the Paris Accords or the Paris Climate Accords. This is an international treaty on climate change, covering climate change mitigation, adaptation, and finance.
- 1.2. At the Conference of the Parties (COP) held in November 2021, the Glasgow Climate Change Conference made decisions:

**Recognising** the role of multilateralism and the Convention, including its processes and principles, and the importance of international cooperation in addressing climate change and its impacts, in the context of sustainable development and efforts to eradicate poverty;

**Acknowledging** that climate change is a common concern of humankind;

**Reaffirming** the long-term global goal to hold the increase in the global average temperature to well below 2 °C above pre-industrial levels and to pursue efforts to limit the temperature increase to 1.5°C above pre-industrial levels, recognising that this would significantly reduce the risks and impacts of climate change;

**Recognising** that the impacts of climate change will be much lower at the temperature increase of 1.5°C compared with 2°C, and resolve to pursue efforts to limit the temperature increase to 1.5°C;

**Also recognising** that limiting global warming to 1.5°C requires rapid, deep and sustained reductions in global greenhouse gas

emissions, including reducing global carbon dioxide emissions by 45 per cent by 2030 relative to the 2010 level and to net zero around mid-century, as well as deep reductions in other greenhouse gases;

**Further recognising** that this requires accelerated action in this critical decade, on the basis of the best available scientific knowledge and equity, reflecting common but differentiated responsibilities and respective capabilities and in the context of sustainable development and efforts to eradicate poverty;

**Inviting Parties** to consider further actions to reduce by 2030 non-carbon dioxide greenhouse gas emissions, including methane;

**Calling upon Parties** to accelerate the development, deployment and dissemination of technologies, and the adoption of policies, to transition towards low-emission energy systems, including by rapidly scaling up the deployment of clean power generation and energy efficiency measures, including accelerating efforts towards the phasedown of unabated coal power and phase-out of inefficient fossil fuel subsidies, while providing targeted support to the poorest and most vulnerable in line with national circumstances and recognising the need for support towards a just transition; and

**Emphasising** the importance of protecting, conserving and restoring nature and ecosystems, including forests and other terrestrial and marine ecosystems, to achieve the long-term global goal of the Convention by acting as sinks and reservoirs of greenhouse gases and protecting biodiversity, while ensuring social and environmental safeguards.



1.3. It is scientifically accepted [as appears from internet searches] that:

- 1.3.1. Global warming is the gradual increase in the overall temperature of Earth's atmosphere due to the greenhouse effect.
- 1.3.2. The greenhouse effect is the warming of Earth's atmosphere due to the build-up of heat-trapping gases, such as carbon dioxide and methane. Scientists refer to these pollutants as greenhouse gasses.
- 1.3.3. Climate is sometimes mistaken for weather. But climate is different from weather because it is measured over a long period of time, whereas weather can change from day to day, or from year to year.
- 1.3.4. Climate change is the long-term alteration of temperature and typical weather patterns in a place. Climate change could refer to a particular location or the planet as a whole. Climate change may cause weather patterns to be less predictable. These unexpected weather patterns can make it difficult to maintain and grow crops in regions that rely on farming because expected temperature and rainfall levels can no longer be relied on. Climate change has also been connected with other damaging weather events such as more frequent and more intense hurricanes, floods, downpours, and winter storms.
- 1.3.5. The cause of current climate change is largely human activity, like burning fossil fuels, like natural gas, oil, and coal. Burning these materials releases what are called greenhouse gases into Earth's atmosphere. There, these

gases trap heat from the sun's rays inside the atmosphere causing Earth's average temperature to rise. This rise in the planet's temperature is called global warming. The warming of the planet impacts local and regional climates. Throughout Earth's history, climate has continually changed. When occurring naturally, this is a slow process that has taken place over hundreds and thousands of years. The human-influenced climate change that is happening now is occurring at a much faster rate.

1.4. It is evident that:

- 1.4.1. Climate change is a reality caused largely by human activity. The time for debate with climate change sceptics and deniers on the reality of climate change and the cause thereof has passed.
- 1.4.2. Appropriate action should have been taken years ago to combat climate change. What has been done is too little, but it is not too late. Action is required now.
- 1.4.3. It is not sufficient to expect nation states and international bodies to combat climate change on their own. This requires an intensive and sustained effort by everyone on this planet, right down to individual businesses and residential households.
- 1.4.4. We recognise that we must play our role in combatting climate change. This is not an altruistic decision. It is a recognition that on a global scale and at a local level the survival of our planet requires this. Combatting climate change is an essential business decision.







## 02. Combatting Climate Change – Practical Steps

- 2.1. The first step is to recognise not only that climate change exists but also that practical steps can be taken by each and every business to combat this. We recognise this. At the very highest executive level, our board of directors has accepted our responsibility and need to take action. This has been adopted as a core business principle, and is being communicated throughout our business to every management level and individual employee, no matter his or her job description and function.
- 2.2. The second step in the design and implementation of any rational policy is continually to measure our contribution to climate change.

**This requires an objective analysis of each and every component of our business, and the adoption of objective metrics to measure our contribution to climate change.**

Simply put, the scope of the problem needs to be understood to combat it.

- 2.3. The third step is to identify measures that can be taken to deal with things sensibly and realistically in a way that is based on practical rather than theoretical considerations; in other words, a pragmatic approach. This requires short, medium, and long-term approaches, and the setting of targets to achieve this – the setting of benchmarks and key performance indicators (KPIs), in other words “objectives”.



### 03. First Step – Policy and Communication

- 3.1. The adoption of this policy has been authorised and approved by our board of directors.
- 3.2. It has been mandated that this policy be factored in when making operational and procurement decisions.
- 3.3. Employee awareness will be activated by regular training sessions and promotional material, right down to posters encouraging the saving of water at water points.
- 3.4. Employees will be encouraged to adopt measures in their homes to save energy and recycle.
- 3.5. This policy is aimed at engendering an all-of-business ethos of the importance of combatting climate change and the practical steps that can be taken to achieve this.
- 3.6. This policy will be communicated to our customers and suppliers, in the hope and expectation that this will motivate them to play their role in combatting change, as, again, it will take all of us to achieve this.
- 3.7. We have designated a key employee as our corporate environmental management officer to ensure that this policy is carried out at all levels of our business.
- 3.8. We will review this policy regularly in February of each year.

Let us pledge to collectively work towards conserving precious environment resources. Let us live in harmony with nature and keep our beloved Earth clean and green.

PM Narendra Modi





#### 04. Second Step – Objective Metrics

- 4.1. CO<sub>2</sub> Emissions can be categorised as follows:
  - 4.1.1. Scope 1 – direct emissions from our owned or controlled sources.
  - 4.1.2. Scope 2 – indirect emissions from the generation of consumption items purchased by us.
  - 4.1.3. Scope 3 – includes all other indirect emissions that occur in our value chain. This is dealt with in our separate Sustainable Procurement (Incorporating External CO<sub>2</sub> Neutrality) Policy.
- 4.2. It is also necessary to measure our water consumption and the hazardous and non-hazardous waste generated by our processes, as these have an impact on the environment.
- 4.3. We have undertaken an objective analysis of our business, and have identified the following components as sources of Scope 1 and 2 CO<sub>2</sub> emissions:
  - 4.3.1. Scope 1 emissions – direct energy utilised by our fleet vehicles and diesel generator – petrol and diesel consumption.
  - 4.3.2. Scope 2 emissions – indirect impact from using electricity generated by non-renewable means.
- 4.4. We have identified objective metrics to measure such:
  - 4.4.1. CO<sub>2</sub> emissions – we are using a carbon footprint calculator;
  - 4.4.2. water consumption; and
  - 4.4.3. hazardous and non-hazardous waste.

- 4.5. We will maintain a database of our metrics.
- 4.6. We will continually update such database. This will enable us to assess our performance, and identify areas where more needs to be done.
- 4.7. Our last “normal” year of operations [pre COVID-19 lockdowns, and so on] was 2019, and accordingly we have elected to use this as our base year in order not to skew the metrics.
- 4.8. Our metrics for such base year are the following:

Scope 1 Emissions	182 229.10 kgCO <sub>2</sub> e
Scope 2 Emissions	316 110.00 kgCO <sub>2</sub> e
Total of Scope 1 and 2 Emissions	498 339.10 kgCO <sub>2</sub> e
Energy Consumption resulting in such Scope 1 and 2 Emissions	26 543 Kwh
Water Consumption	223 kl
Hazardous Waste [all in liquid form]	0.1 kl
Non-Hazardous Waste [all in solid form]	36.55 tonnes
Environmental Issues Reported	No issues reported



The root cause of environmental pollution is greed and insensitivity. Outer cleanliness can be sustained only by keeping our hearts clean.

Gurudev Sri Sri Ravi Shankar





Earth provides enough to satisfy every man's needs,  
but not every man's greed. Mahatma Gandhi







## 05. Third Step – Setting of Benchmarks [Objectives] and Identification of Pragmatic Measures

- 5.1. Our CO<sub>2</sub> Neutrality Policy Benchmarks [Objectives] are:
  - 5.1.1. To reduce CO<sub>2</sub> emissions by 20% by 2025;
  - 5.1.2. To reduce CO<sub>2</sub> emissions by 50% by 2030; and
  - 5.1.3. To become CO<sub>2</sub> neutral by 2050.
- 5.2. As noted above, we have identified that our primary sources of CO<sub>2</sub> emissions are the following:
  - 5.2.1. Fuel consumption – for back-up generators during load shedding, and in our fleet of vehicles; and
  - 5.2.2. Electricity consumption – to power our factory processes and offices.
- 5.3. We have identified the following steps than can be taken by us to reduce such emissions:
  - 5.3.1. Electricity consumption – We are planning to invest in renewable solar power to reduce our reliance on the non-renewable electricity available to us from the national grid. Our goal is to use only energy-saving lights.
  - 5.3.2. Fuel consumption – Long-term and when commercially viable, we will migrate our fleet of vehicles to hybrid and ultimately fully electrically powered vehicles. In the short- and medium-term, we are using our innovative and highly sophisticated ODIN technology to interact with our customers directly and virtually to reduce physical trips to

their premises to service their installed lines and address maintenance issues.

- 5.4. Water consumption
  - 5.4.1. Water is consumed by us in our processes, drinking, and industrial facilities.
  - 5.4.2. We are mandating all departments to be sparing in their use of water, and are communicating this to our manufacturing staff and to the users of the industrial facilities. We have installed a water tank system to capture and store rainwater, with a capacity of 25 000 and 14 000 litres.
- 5.5. Hazardous and non-hazardous waste
  - 5.5.1. Such waste is generated by our processes.
  - 5.5.2. We have engaged a Government-authorized agency (MEPL) to dispose of all hazardous waste in compliance with all environmental regulations and protocols.
  - 5.5.3. To the extent practically possible, we are aiming at disposing of all non-hazardous waste through recycling.
- 5.6. Environmental issues
  - 5.6.1. Our employees are trained to avoid environmental issues arising, and none were reported in the base year.
  - 5.6.2. We will continue to monitor this, and adapt existing measures and introduce new measures to the extent considered appropriate.





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PM Narendra Modi




**06. Specific Objectives and Actions – Environmental Policy**

6.1. We are committed to reducing our environmental impact and to continually improving our environmental performance as an integral part of our business strategy. We recognise that environmental risks and opportunities have an impact on the key strategic competencies that create and deliver value to our business model.

6.2. Executive Integrated Management is responsible for ensuring that this policy is implemented. However, all employees have a responsibility in their area to ensure that the aims and objectives of this policy are met.

6.3. This policy is applicable to all our operations where we have management control, and includes all executive directors, officers, senior and junior managers, fulltime and fixed-term employees, contractors, and external visitors.



 We are committed to becoming the leader in sustainable practices in our industry by maintaining an innovative environmental policy and positioning ourselves on the cutting edge of sustainable ideas, practices, methods and technologies.

6.4. Our objectives are to:

- 6.4.1. comply with and exceed all relevant regulatory requirements and other compliance obligations;
- 6.4.2. continually monitor and reduce our direct environmental impact;
- 6.4.3. understand and be responsive to environmental challenges and how they impact our business;
- 6.4.4. incorporate environmental factors into business decisions;
- 6.4.5. increase employee awareness and training; and
- 6.4.6. demonstrate in real and measurable ways to our employees, customers, and ourselves that we are striving to combat climate change.

6.5. We are committed to:

- 6.5.1. becoming the leader in sustainable practices in our industry by maintaining an innovative environmental policy and positioning ourselves on the cutting edge of sustainable ideas, practices, methods and technologies;

6.5.2. integrating environmental management into planning and decision making;

6.5.3. operating in compliance with all applicable legislation and compliance obligations;

6.5.4. identifying and managing environmental aspects to:

6.5.4.1. minimise greenhouse gas emissions and improve air quality;

6.5.4.2. promote efficient use of materials and conservation of resources;

6.5.4.3. optimise and minimise resource consumption;

6.5.4.4. protect the environment and prevent pollution;


6.5.4.5. minimise waste to achieve zero waste;

6.5.4.6. reduce the consumption of materials, and reuse and recycle them;

6.5.4.7. ensure the safe handling and storage of waste on all our premises;





 We are committed to identifying and applying renewable energy alternatives and other green technologies within our facilities, wherever pragmatically applicable.

6.5.4.8. prevent, minimise and regulate waste generated at source;

6.5.4.9. apply renewable energy alternatives and other green technologies within our facilities, wherever pragmatically applicable;

6.5.4.10. use adaptation measures to protect our business and stakeholders against the impact of climate change;

6.5.4.11. improve water quality and ensure sustainable consumption by establishing systems to monitor the quality and quantity of water consumed and discharged, and adopting practices to conserve and reduce the use of water resources;

6.5.4.12. apply sustainable and responsible practices for chemical handling, storage, and disposal, using Material Safety Data Sheets (MSDS), and preventing environmental and physical hazards from chemicals used on our premises;

6.5.4.13. use our sphere of influence to promote environmental awareness and drive behavioural change among all stakeholders, particularly our employees, suppliers, and customers;

6.5.4.14. set carbon and resource targets;

6.5.4.15. determine and undertake a clear strategy and action plan to achieve such targets;

6.5.4.16. objectively measure with appropriate metrics our progress in achieving such targets;

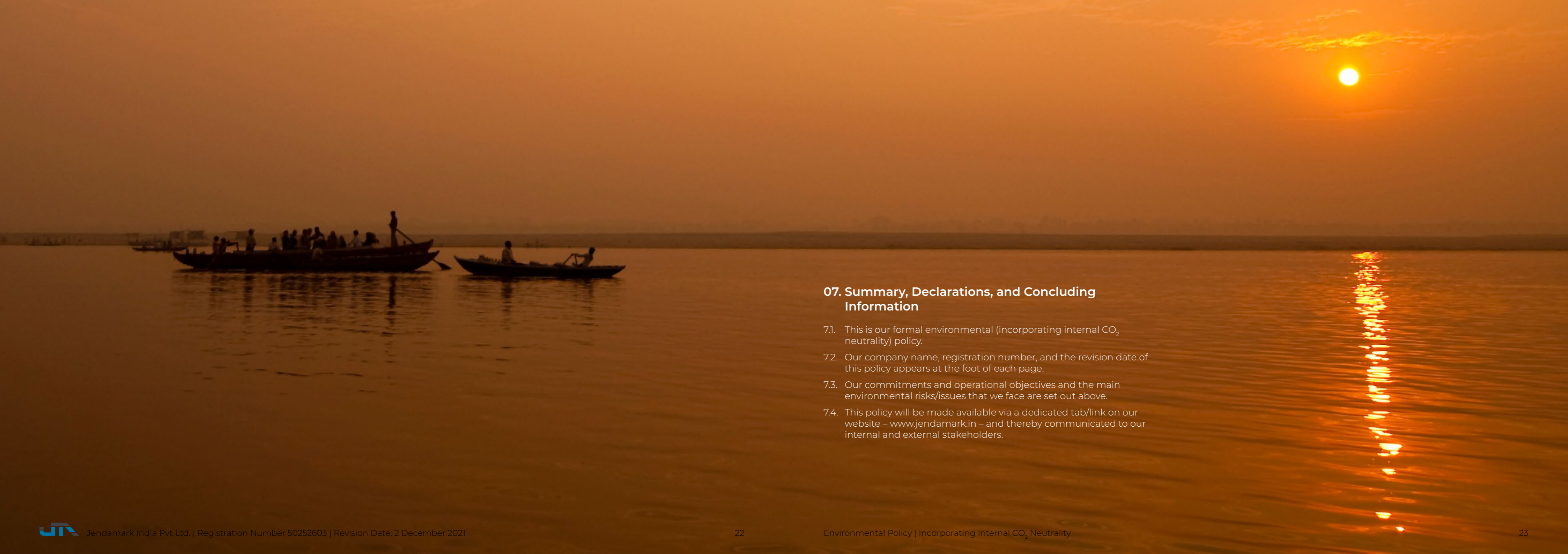
6.5.4.17. regularly (and at least annually) review such targets, metrics, and progress;

6.5.4.18. communicate effectively with relevant stakeholders our progress; and

6.5.4.19. view any non-compliance with this policy as well as any non-compliance with our obligations in terms of applicable legislation in a serious light. Any deliberate action by any of our employees to contravene the above will be subject to disciplinary action.







## 07. Summary, Declarations, and Concluding Information

- 7.1. This is our formal environmental (incorporating internal CO<sub>2</sub> neutrality) policy.
- 7.2. Our company name, registration number, and the revision date of this policy appears at the foot of each page.
- 7.3. Our commitments and operational objectives and the main environmental risks/issues that we face are set out above.
- 7.4. This policy will be made available via a dedicated tab/link on our website – [www.jendamark.in](http://www.jendamark.in) – and thereby communicated to our internal and external stakeholders.





No matter what is the environment around you, it is always possible to maintain your brand integrity.

A. P. J. Abdul Kalam

7.5. We will continually strive to:

- 7.5.1. identify the scope of application, allocation of responsibilities, quantitative objectives (such as re energy consumption and greenhouse gas emissions [GHG], and review mechanisms);
- 7.5.2. detail measures regarding energy consumption and GHG emissions (including our carbon footprint assessment, installation of innovative equipment [solar panels, etc] to reduce energy consumption);
- 7.5.3. detail measures and implemented actions regarding water management (such as water tanks, and awareness notices re saving of water);
- 7.5.4. detail measures and implemented actions regarding use and handling of materials, chemicals and waste, and management thereof (including the management and reduction of non-hazardous and hazardous chemicals and waste);

7.5.5. detail recycling initiatives;

7.5.6. detail health and safety issues – for our employees, customers, and visitors, which will include the prevention and mitigation of health and safety risks, such as providing information for consumer protection and application of recognised standards to eliminate harmful effects and/or hazardous defects from our products and services;

7.5.7. detail information on measures and actions regarding environmental impacts from the use of our products (such as a formal carbon footprint study – once undertaken – performed on key products, a regulatory watch on the environmental impacts from use of our products, and the provision of products with reduced energy consumption levels); and

7.5.8. detail information on measures and actions implemented regarding environmental impacts from product end-of-life (such as formal life cycle analysis on key products and designing/using packaging for easy dismantling or recyclability). We are embarking on a process of rewording our product manuals and other relevant documentation made available to our customers to address these impacts (including recycling).

7.6. The name and contact details of our designated corporate environmental management officer will be noted on our website. Such officer’s functions will include regularly monitoring and reporting to our board of directors on environmental issues, total gross Scope 1 and 2 GHG [CO<sub>2</sub>] emissions and total energy consumption, total water consumption, total hazardous waste, and total non-hazardous waste.

7.7. Although we are not currently a signatory to any external Community Social Responsibility (“CSR”) initiatives, we will continue to try to identify an appropriate external body to whom we can affiliate. We, however, have a long and sustained commitment to CSR through multiple initiatives in the areas of education, social welfare and the environment. We have full details on record in our files and our official CSR policy is available on our website.

7.8. We are ISO 14001/EMS certified and are committed to upholding the principles underlying/inherent in such certification.

7.9. Awareness training programmes will be conducted regularly so that all our employees are always conscious of our and their responsibilities and the appropriate actions required. Records will be kept of such awareness training programmes.

7.10. WE ARE COMMITTED TO COMBATTING CLIMATE CHANGE.



