



GHG REDUCTION GOAL POLICY

1. Purpose and Scope

1.1 Purpose

The purpose of this policy is to define GRG Polydynamics Private Limited, commitment to reducing greenhouse gas (GHG) emissions in line with national and international climate goals. It provides a framework to identify, monitor, and mitigate GHG emissions throughout the manufacturing processes and value chain.

1.2 Scope

This policy applies to all operations, facilities, logistics, procurement, and product life cycle stages within GRG Polydynamics Private Limited, Located in Tamil Nadu. It includes direct and indirect emissions from Scope 1, Scope 2, and Scope 3 categories.

2. Roles and Responsibilities

Plant Operations Team: Integrates emission reduction measures into production processes. Tracks energy and fuel usage.

Procurement Department: Sources eco-friendly and low-emission raw materials and services.

HR Department: Conducts employee awareness and training programs.

Finance Department: Budgets for energy upgrades, GHG monitoring tools, and green technologies.

Top Management: Approves targets, resources, and oversees compliance with policy goals.

3. Step-by-Step Instructions

3.1 GHG Inventory Assessment

- Identify emission sources across all scopes (Scope 1: Direct, Scope 2: Indirect from purchased electricity, Scope 3: Supply chain, waste, etc.)
- Measure baseline GHG emissions using standard methodologies like GHG Protocol.

3.2 Target Setting

- Set science-based reduction goals aligned with global standards.
- Define interim milestones



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3.3 Implementation Plan

- Retrofit old equipment with energy-efficient models.
- Shift to renewable energy sources where feasible.
- Optimize logistics and production to minimize fuel/electricity use.
- Introduce carbon offset programs if necessary.

3.4 Monitoring & Reporting

- Install real-time energy monitoring systems.
- Track key performance indicators (KPIs) monthly.
- Prepare and submit annual GHG Emissions Report.

4. Resources and Tools

- Smart meters and IoT-based monitoring systems.
- Government incentive schemes (e.g., Perform, Achieve and Trade - PAT).
- Renewable energy consultants and service providers.

5. Compliance Standards

- Environment Protection Act, 1986 (India)
- Energy Conservation Act, 2001
- Tamil Nadu Pollution Control Board (TNPCB) norms
- UNFCCC guidelines
- ISO 14064 & ISO 50001
- Science-Based Targets initiative (SBTi)

6. Time Frame and Deadline

- GHG Baseline Inventory: Within 6 months of policy adoption.
- Target Setting: Within 3 months of baseline completion.
- Annual GHG Reduction Review: Every 12 months.
- Monitoring: Monthly reviews of emissions data.

7. Authorization and Approval

Policy drafted by: Maintenance Manager

Reviewed by: Safety officer

Approved by: Managing Director

8. Documentation and Record

Required Documents:

- Emission Reduction Target Logs
- Energy Audit Reports
- Compliance Certificates
- Internal and External Audit Reports
- Employee Training Logs

Approved By