

# SUSTAINABLE DEVELOPMENT GOALS



# *Environmental Policy*

We Fie Spherotech manufacturer of Cast iron & Ductile iron machined component, we strive to create clean environment in all our product, operations & services by committing ourselves to:

- Conserve natural resources through reuse, recycle & reduce.
- Prevent pollution through effective control measures.
- Comply all applicable legal/regulatory requirement.
- To work towards continual improvements in our environmental performance and periodically review the established system.
- Communicated the policy to all interested people.



# *Occupational Health & Safety Policy*

- ▶ We FIE SPHEROTECH fully committed to be an injury free organization and safeguarding the occupational health of its direct and indirect employees at work.
- ▶ Comply all applicable legal/regulatory requirement.
- ▶ Company firmly believes that safety is integral part of its operation and all level of management have prime responsibility towards safety.
- ▶ Company also firmly believes in proactive measures preventing occupational illness.
- ▶ In achieving these objectives FIE SPHEROTECH will involves all its employees and allocate adequate resources for continual improvement in its occupational Health and Safety performance.

# SUSTAINABLE DEVELOPMENT GOALS

## ✿ Sustainability Goal: Energy Management

### 1. Clean Energy Generation ♻️

◆ 2.1 MW Solar Power Plant Installed → 30% Renewable Energy

✓ *Completed*

◆ Add Another 30% Renewable Capacity

📅 *FY 2025-2030*

◆ Achieve 100% Clean Energy Utilization

🎯 *By FY 2040*

### 2. Energy Management System ⚙️

🏆 ISO 50001: Energy Management System Certification

📅 *By FY 2027*

### 3. Energy Efficiency Improvement ⚡

📊 Reduce Energy Utilization:

• From 1.55 units/kg → 1.40 units/kg by 2027

• Further reduce to 1.25 units/kg by 2030

# SUSTAINABLE DEVELOPMENT GOALS

## ◆ Sustainability Goal: Water Management

### 1. Water Conservation 🌿

◆ Optimize water flow systems and adopt low-consumption fixtures

🎯 Target: Reduce freshwater usage by 15% by FY 2027

### 2. Water Recycling & Reuse ♻️

◆ Install/upgrade ETP & STP to recycle process water

◆ Implement Rainwater Harvesting Systems across facilities

🎯 Targets:

25% reuse of treated water by FY 2030 &

100% rooftop runoff captured by FY 2028

### 3. Zero Liquid Discharge (ZLD) 🚫💧

◆ Develop infrastructure for Zero Liquid Discharge

🎯 Goal: Achieve ZLD compliance by FY 2035

# SUSTAINABLE DEVELOPMENT GOALS

## ◆ Sustainability Goal: Water Management

### 4. Water Quality & Compliance 🏢

- ◆ Implement real-time water quality monitoring
- ◆ Ensure 100% compliance with discharge norms

### 5. Awareness & Engagement 👤

- ◆ Conduct employee training and awareness programs
- 📅 Start: FY 2025 - Annual initiatives ongoing

### 🌐 Long-Term Vision:

FIE Spherotech strives to become a **water-resilient and sustainable organization**, reducing dependence on freshwater sources, maximizing reuse, and achieving **Zero Liquid Discharge by FY 2035**.

# SUSTAINABLE DEVELOPMENT GOALS

## Sustainability Goal: Waste Management

### 1. Waste Segregation

◆ Implement **source segregation** for hazardous, non-hazardous, and recyclable waste

🎯 **Target:** 100% segregation at source by **FY 2025**

### 2. Waste Minimization

◆ Optimize manufacturing processes to reduce scrap, packaging waste, and by-products

🎯 **Target:** Reduce total waste generation by **20% by FY 2027**

### 3. Recycling & Reuse

◆ Set up on-site **recycling units** for metal scrap, plastics, and packaging

🎯 **Target:** Reuse **50% of generated waste by FY 2030**

# SUSTAINABLE DEVELOPMENT GOALS

## Sustainability Goal: Waste Management

### 4. Hazardous Waste Management

◆ Proper handling, storage, and disposal of hazardous waste as per statutory norms

 **Target:** 100% compliance annually

### 5. Circular Economy Initiatives

◆ Collaborate with suppliers & partners to reuse packaging and materials

 **Target:** Pilot projects by FY 2026, scale by FY 2030

### 6. Employee Awareness & Engagement

◆ Conduct annual training programs on waste reduction, segregation, and recycling

 **Start:** FY 2025 - ongoing annually

# SUSTAINABLE DEVELOPMENT GOALS

## Sustainability Goal: Greenhouse Gas (GHG) Emission Management

### 1. GHG Emission Monitoring & Reporting

◆ Implement real-time GHG monitoring system and annual reporting (Scope 1, 2, selected Scope 3)

 Target: Fully operational by FY 2026

### 2. Energy Efficiency

◆ Reduce energy consumption per unit of production through process optimization and technology upgrades

 Targets:

1.55 → 1.40 units/kg by FY 2027

1.25 units/kg by FY 2030

### 3. Renewable Energy Adoption

◆ Expand solar and other renewable energy capacity

 Targets:

Additional 30% renewable capacity by FY 2025-2030

100% clean energy utilization by FY 2040

# SUSTAINABLE DEVELOPMENT GOALS

## **Sustainability Goal: Greenhouse Gas (GHG) Emission Management**

### **4. Carbon Footprint Reduction**

➤ Implement low-carbon process technologies, optimize logistics, reduce emissions from operations

 **Target:** Reduce overall GHG emissions **20% by FY 2030** (baseline FY 2025)

### **5. Carbon Neutrality Roadmap**

➤ Develop roadmap for **carbon neutrality**, including offsets, renewable procurement, and low-carbon innovation

 **Target:** Achieve **Net-Zero GHG emissions by FY 2040**

### **6. Employee Awareness & Engagement**

➤ Conduct training programs on carbon footprint reduction and energy efficiency

 **Start:** FY 2025 - ongoing annually

### **Long-Term Vision:**

FIE Spherotech will be a **low-carbon, climate-resilient organization**, achieving **net-zero GHG emissions by FY 2040**, while continuously improving efficiency and adopting sustainable practices.