



# MODERN TOOLING SOLUTION

## Water Management Policy

### 1. Purpose and Scope

#### **Purpose:**

This policy outlines MODERN TOOLING SOLUTION's commitment to the responsible use, conservation, and management of water resources. Our goal is to minimize water consumption, prevent pollution, and ensure long-term sustainability of water use in our operations.

#### **Scope:**

This policy applies to:

- All factory operations involving water (process use, utilities, sanitation, cooling, cleaning, etc.)
- All employees, contractors, and service providers
- All water sources, treatment systems, and discharge points managed by the company

### 2. Objectives

- Reduce freshwater consumption through efficiency and reuse
- Prevent water pollution and comply with discharge norms
- Maintain water quality and availability for future use
- Create awareness among employees about water conservation

### 3. Key Commitments

#### 3.1 Legal and Regulatory Compliance

- Adhere to all water-related regulations under:
  - The Water (Prevention and Control of Pollution) Act, 1974
  - CPCB/SPCB norms for water consumption, effluent discharge, and groundwater use
- Maintain valid NOCs for groundwater extraction, where applicable

#### 3.2 Water Use Efficiency

- Install flow meters and monitor water use at critical points
- Optimize equipment and process cycles to reduce water wastage
- Use low-flow fixtures, automatic shut-off valves, and reuse systems where feasible



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### 3.3 Wastewater Treatment and Reuse

- Treat wastewater through in-house Effluent Treatment Plant (ETP) or Sewage Treatment Plant (STP)
- Reuse treated water for landscaping, floor washing, or cooling (as per treatment standards)
- Ensure discharge water meets prescribed environmental standards

### 3.4 Rainwater Harvesting and Recharge

- Implement rainwater harvesting systems where feasible
- Promote groundwater recharge through percolation pits or trenches

### 3.5 Employee Awareness and Participation

- Conduct training on water-saving techniques and leak detection
- Encourage employees to report leaks or excessive use
- Display water conservation signage near taps, wash areas, and production zones

## 4. Roles and Responsibilities

### Top Management:

- Approve the water management policy and allocate necessary resources.
- Ensure integration of water efficiency in business decisions.
- Review annual water performance and compliance status.

### Health & Safety Manager:

- Oversee the implementation of water-saving initiatives.
- Monitor water consumption and ensure regulatory compliance.
- Liaise with local authorities such as TNPCB and PWD.

### Utilities/Facilities Team:

- Operate and maintain water treatment and recycling systems (STP/ETP/RO).
- Maintain water meters and logs.
- Implement corrective actions for leakages and inefficiencies.

### Department Heads:

- Encourage water-saving practices in their departments.
- Ensure process-specific water usage is optimized.



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## All Employees:

- Use water responsibly and report leaks or wastage.
- Follow established protocols for water handling and disposal.

## 5. Resources and Tools

### Human Resources:

- Facilities/Utilities Maintenance Team
- Water Treatment Plant Operators
- External water audit consultants

### Physical Infrastructure:

- Water meters and logbooks
- Rainwater harvesting systems
- ETP/STP systems
- Leak detection tools
- Storage tanks with overflow alarms

## 6. Compliance Standards

### Local and State Regulations:

- Tamil Nadu Groundwater (Development and Management) Act
- Tamil Nadu Pollution Control Board (TNPCB) guidelines for water discharge
- Building codes for rainwater harvesting and water reuse

### National and Central Guidelines:

- Water (Prevention and Control of Pollution) Act, 1974
- Central Ground Water Authority (CGWA) directives
- CPCB Guidelines for Water Management in Industries



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## 7. Time Frame and Deadline

Activity	Time Frame / Deadline
Policy approval and communication	Within 30 days of drafting
Water conservation retrofits	Within 3–6 months
Rainwater harvesting implementation	Before next monsoon season
First water audit	Within 6 months
Monthly water usage monitoring	Ongoing – 1st week of every month
Annual performance review	Once every financial year

## 8. Documentation and Record Keeping

### Documents to Maintain:

- Water source registration certificates
- Water consumption logs monthly
- Water audit reports
- STP/ETP operational logs and test results

## 9. Authorization and Approval

This Water Management Policy has been reviewed and approved by:

Name	Designation	Signature	Date
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Mr./Ms. [Name] Managing Director/CEO [Sign] [Date]

Mr./Ms. [Name] Head – Operations [Sign] [Date]

Mr./Ms. [Name] EHS Manager [Sign] [Date]