NATIONAL WATER MISSION

जल शक्ति मंत्रालय
जल संसाधन, नदी विकास और गंगा संरक्षण विभाग
MINISTRY OF JAL SHAKTI
DEPARTMENT OF WATER RESOURCES,
RIVER DEVELOPMENT & GANGA REJUVENATION

India International Water Week, 2026

Water Use Efficiency in Industrial Sector, BWUE Initiative

Bureau of Water Use Efficiency

National Water Mission
Ministry of Jal Shakti

Piyush Ranjan
Director

Goals of National Water Mission

National Water Mission (NWM) was set up under the National Action Plan on Climate Change (NAPCC) with an objective to ensure **"conservation of water, minimizing wastage and ensuring its more equitable distribution both across and within States through integrated water resources development and management".**

Five goals of NWM are as follows:

Goal 1: Comprehensive water data base in public domain



Goal 2: Assessment of the impact of climate change on water resources



Goal 3: Promotion of citizen and state actions for water conservation, augmentation & preservation & focused attention to vulnerable areas



Goals 4: Increasing water use efficiency by 20%



Goal 5: Promotion of basin level integrated water resources management



Voluntary Adoption

Three industry associations, i.e., **ASSOCHAM, CII and FICCI**, voluntary adopted various targets to increase water use efficiency in the industrial sector.

Voluntary Targets Adopted (CII)

CII has adopted the following targets at its AGM held in May 2026:

i. Regular water audits by **2027**.

ii. Installation of **SCADA-enabled real-time monitoring systems** across facilities by **2030**.

iii. Achievement of **Zero Liquid Discharge (ZLD)** and **water-neutral/water-positive** status by **2030**.

iv. Reduction of the **water footprint by 50%** by **2030**.

v. Installation of **rainwater harvesting structures with upgraded treatment systems** in all major facilities by **2030**.

Results of Voluntary Targets Adoption (CII)

Name of Targets	Already adopted by no. of Industries members	No. of Industries members Planned
Regular water audits by **2027**	2	20
Installation of **SCADA-enabled real-time monitoring systems** across facilities by **2030**	5	24
Achievement of **Zero Liquid Discharge (ZLD)** and **water-neutral/water-positive** status by **2030**	2	54
Reduction of the **water footprint by 50%** by **2030**.	1	74
Installation of **rainwater harvesting structures with upgraded treatment systems** in all major facilities by **2030**.	2	21

Voluntary Targets Adopted (ASSOCHAM)

Targets by ASSOCHAM:

1. Regular comprehensive water audits with metering and sensor-based monitoring by 2027.
2. SCADA-enabled real-time monitoring systems across facilities by 2030.
3. Minimum 30% treated wastewater reuse across industrial operations by 2030.
4. Enhanced utilization of treated wastewater for cooling, washing, landscaping, and utilities by 2030.
5. Rainwater harvesting structures with upgraded treatment systems in all major facilities by 2030.
6. 50% reduction in overall industrial water footprint by 2030.
7. Adoption of emerging low-water and water-efficient technologies by 2030.
8. Progressive improvement in Water Use Efficiency aligned with star-labelling benchmarks.
9. Skill development programmes for youth in water and wastewater management through ASSOCHAM-led industry partnerships.

Key Assessment Insights

ASSOCHAM

143 **Facilities Assessed**
Across 29 Industrial Sectors

29 **Industrial Sectors**
Covered in the Assessment

Distribution by Industrial Sector (n = 143)

1. Beverage & Packaged Water	10	8. Refinery	1	16. Mining	4	24. Leather	2
2. Power & Renewable	8	9. Airport	1	17. Infrastructure	4	25. Rubber & Plastics	2
3. Chemicals & Fertilizer	7	10. Automobiles	5	18. Manufacturing (General)	4	26. Construction Materials	2
4. Metals & Steel	6	11. Cement	4	19. Oil & Gas	3	27. Hospitality	2
5. Tyre Manufacturing	5	12. Food & Beverages	4	20. Electronics & Electricals	3	28. Healthcare	2
6. Paper & Pulp	3	13. Textile	4	21. Sugar	3	29. Other	2
7. FMCG	2	14. Pharmaceuticals	4	22. Dairy	3		
		15. IT & ITeS	4	23. Distillery	3		

Water Source Profile (n = 143)



Voluntary Targets Adopted (FICCI)

98th Annual General Meeting and Annual Convention

INDIA SELF-RELIANT ECONOMIC POWERHOUSE

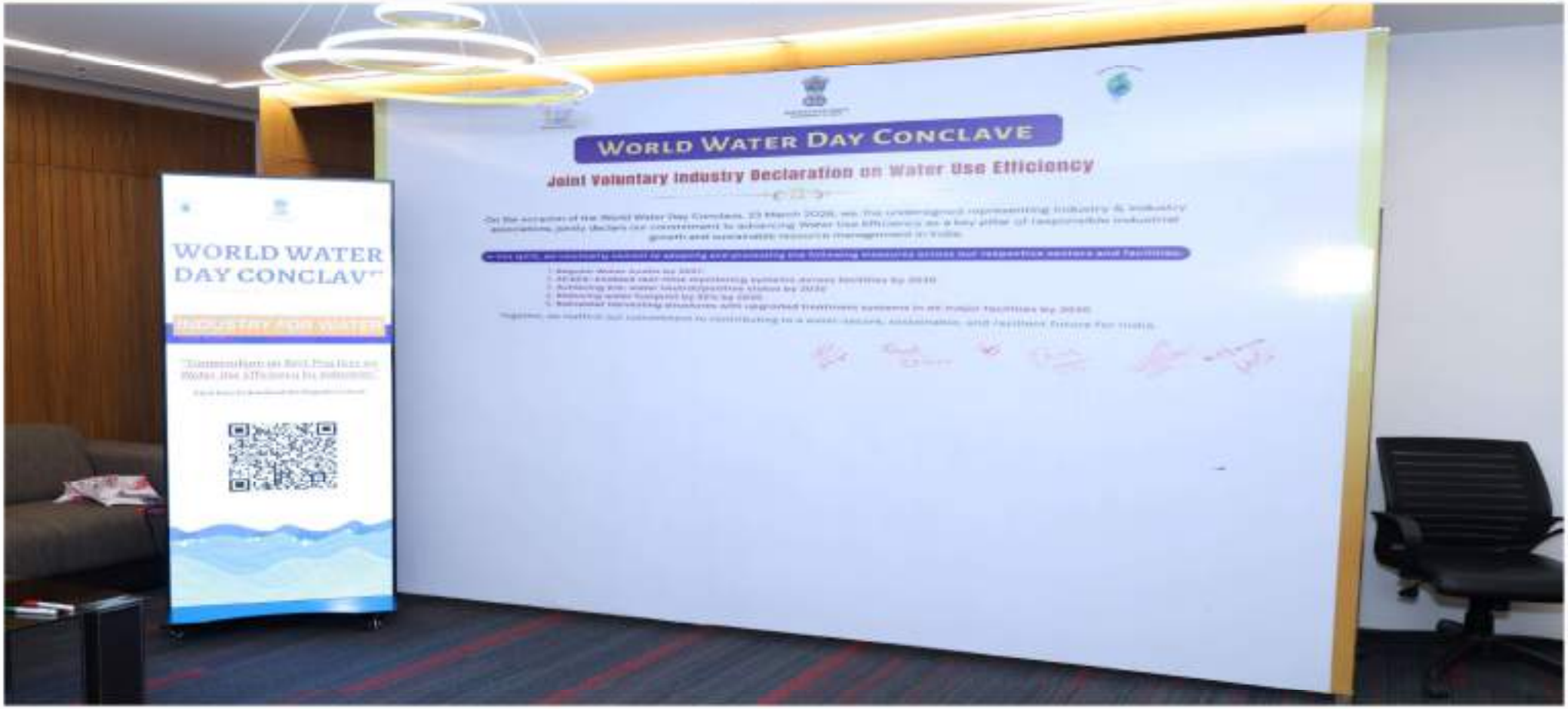
FICCI

FICCI promotes targets for Water Use Efficiency by Water-Intensive Industries

- **Regular Water audits** by 2027.
- Installation of automated **SCADA-based real-time monitoring systems** for tracking water flow, leakages, consumption patterns, and wastewater quality **by 2030**.
- Fixed minimum percentage **(up to 30%) of treated wastewater reuse by 2030**.
- Adoption of mechanisms for reusing treated wastewater **for cooling, washing, dust suppression, landscaping, or other utility operations by 2030**.
- Installation of **rainwater harvesting (RWH)** structures **by 2030**, and upgradation of wastewater treatment plants.
- Reducing water footprint by 50% **by 2030**.
- Achieving ZLD or water positive **by 2030**.
- Adoption of emerging water-efficient technologies, such as **advanced cooling systems, optimized nozzle and spraying designs, membrane-based treatment systems, automated process controls, and dry or low-water processing technologies by 2030**.
- Striving towards increasing overall Water Use Efficiency (WUE) based on star labeling.



Joint Voluntary Deceleration Adopted During World Water Day Conclave , March 2026




Save water
Thank
you