



सत्यमेव जयते

Government of Maharashtra

Water Resources Department

Subject- Government and Local Authority Co- ordination in Maharashtra

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WATER FOR A SUSTAINABLE TOMORROW

Government and Local Authority Co-ordination Experience in Maharashtra

MAHARASHTRA

THREE PILLARS OF COORDINATION

Non-Irrigation

- Panchayat
- Municipalities
- MJP scheme
- Industry

Irrigation

- WUA
- Farmers
- Agriculture Department

Awareness

- All water-relevant departments
- WUA
- Farmers
- Citizens

WATER
PEOPLE
PROGRESS



SUSTAINABLE WATER
STRONGER MAHARASHTRA

Planning for Non irrigation

PEOPLE
WATER
PROSPERITY
MAHARASHTRA

A **clear demarcation of authority** across state policy, local emergency assessment, and agricultural planning to eliminate overlapping mandates.

River Basin Agency
(The Ultimate Authority)

Mandate: Grants permanent Bulk Water Entitlements.

Functions:
- Manages 30-year population projections for future allocations.
- Defines annual allocations based on exact reservoir levels locked on October 15.
- Enforces equitable distribution and deficit sharing per MWRRA norms.

CONSTRAINT: Actual annual supply is strictly governed by reservoir contents, not just the paper entitlement.

District Emergency Committee
(The Local Assessor)

Mandate: Determines temporary, ad-hoc drinking water needs (Oct 15 – July 15).

Functions:
- Calculates exact water required for transit losses, evaporation, and livestock.
- Targets only villages lacking permanent Bulk Water Entitlements whose local sources have failed.

CONSTRAINT: Strictly an assessment and recommendation body; cannot grant final water entitlements.

Canal Advisory Committee
(The Irrigation Planner)

Mandate: Plans agricultural water distribution.

Functions:
- Allocates the remaining water only after drinking and industrial needs, plus emergency allocations are secured

CONSTRAINT: Explicitly barred from proposing, altering, or approving any non-irrigation water reservations or annual quotas.

The Multi-Agency District Coordination Hub

Translating granular local shortages into standardized state data requires cross-departmental alignment under the Guardian Minister.



Water Requirement in Water Scarcity Condition

Primary Directive: Compile a comprehensive data sheet calculating the total emergency volume needed.

Factors calculated:

- Evaporation & canal/river transit losses
- Human population dependencies

Daily requirement of Water in water scarcity condition

- **Cows/Buffaloes:** 35-40 liters/day
- **Calves:** 10-15 liters/day
- **Sheep/Goats:** 3-4 liters/day
- **Human** – 70 liters/day

RBA
Final Approval

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Canal Advisory Committee

Participatory planning for efficient and equitable irrigation management

Farmers | Administration | Water Users' Institutions | Joint Responsibility

PLAN
DISCUSS
COLLABORATE
DELIVER

Inclusive Representation

- Public Representative
- Officials from WRD
- District & local administration
- Representatives of WUA
- Farmers and other stakeholders

A platform for dialogue and shared responsibility

Key Functions

- Annual water planning and review
- Discuss and resolve irrigation issues
- Promote conjunctive use of surface and groundwater
- Encourage water saving measures and micro-irrigation
- Review water charges and WUA performance

From planning to practical solutions

Regular Meetings

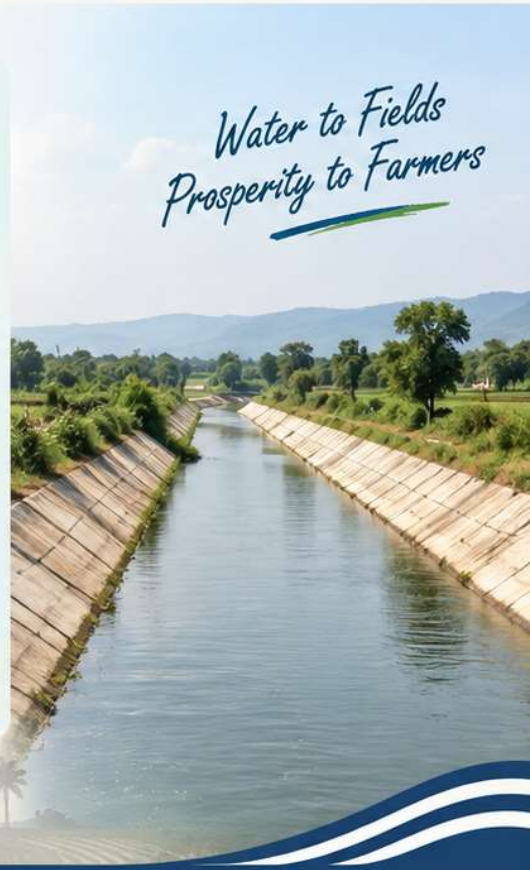
- Meeting before each irrigation season
- Special meeting in case of drought / water reservation
- Agenda to be circulated in advance
- Preferably held in the command area

Timely decisions for timely action

Expected Outcomes

- Better irrigation scheduling
- Increased irrigated area
- Efficient and equitable water distribution
- Stronger Water Users' Associations
- Improved project performance

Sustainable irrigation for stronger rural communities



Infrastructure development through effective inter-departmental coordination leads to better outcomes and improved efficiency

CANAL ADVISORY COMMITTEE

Based on Government Resolution dated 18 March 2016 • Annexure – Committee Structure

Structure prescribed for irrigation projects

MAJOR PROJECT • TYPE A
> 1 LAKH HECTARES

CHAIRMAN

Minister / State Minister (Water Resources)

MEMBER SECRETARY

Superintending Engineer

MAJOR PROJECT • TYPE B
< 1 LAKH HECTARES

CHAIRMAN

Minister / State Minister (Water Resources) / Guardian Minister

MEMBER SECRETARY

Superintending Engineer

MEDIUM PROJECT

CHAIRMAN

Executive Engineer

MEMBER SECRETARY

Deputy Executive Engineer

MINOR PROJECT

CHAIRMAN

Deputy Divisional Engineer

MEMBER SECRETARY

Branch Engineer

COMPOSITION OF THE COMMITTEE

Government + stakeholder representation, scaled to project level

GOVERNMENT MEMBERS

- Water Resources field leadership and project officers
- District administration and agriculture representatives
- Urban / industrial water-supply authorities, where applicable
- Other concerned government representatives

NON-OFFICIAL MEMBERS

- Elected representatives and local public bodies
- Industrial / sugar-sector and horticulture representatives, where applicable
- Agricultural Produce Market Committee representation
- Water Users' Associations, including women representatives
- Representation of SC, ST, minorities and economically weaker groups

Key principle: committee composition brings together water-resource management, agriculture, local administration, industry and Water Users' Associations.

The Rhythm of Coordination: Seasonal Synchronization of State Resources

Phase 1: Kharif Planning (July 1 - 15)

Action: Initial monsoon reality check; aligning departmental targets for the primary growing season.

Phase 2: Rabi Planning (October 15 - 31)

Action: Review reservoir water availability as on 15 October, assess non-irrigation requirements, propose project-wise reservations, and coordinate with the Agriculture Department to set crop-wise irrigation targets based on available water and command-area cropping patterns.

Phase 3: Summer Planning (February 15 - 28)



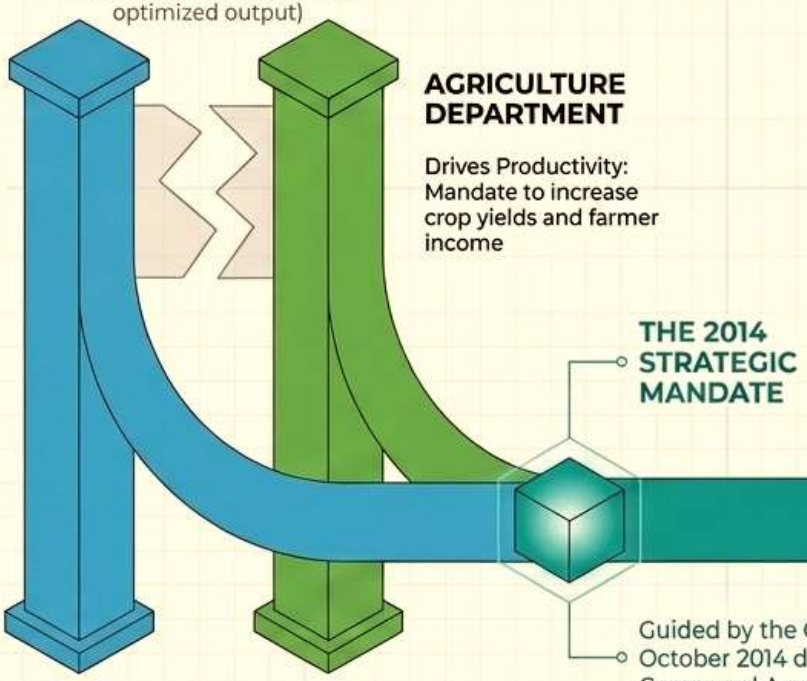
Action: Review reservoir water availability as on 15 February, account for non-irrigation reservations, and coordinate with the Agriculture Department to adopt a cropping pattern that maximizes irrigated area with the minimum available water until the monsoon.

TRUE COORDINATION MOVES BEYOND THEORETICAL PLANNING INTO SYNCHRONIZED, SEASON-SPECIFIC AND SCIENTIFIC RESOURCE DEPLOYMENT.

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COORDINATION BETWEEN WATER RESOURCES DEPARTMENT AND AGRICULTURAL DEPARTMENT

DUAL-PILLAR TO UNIFIED PIPELINE

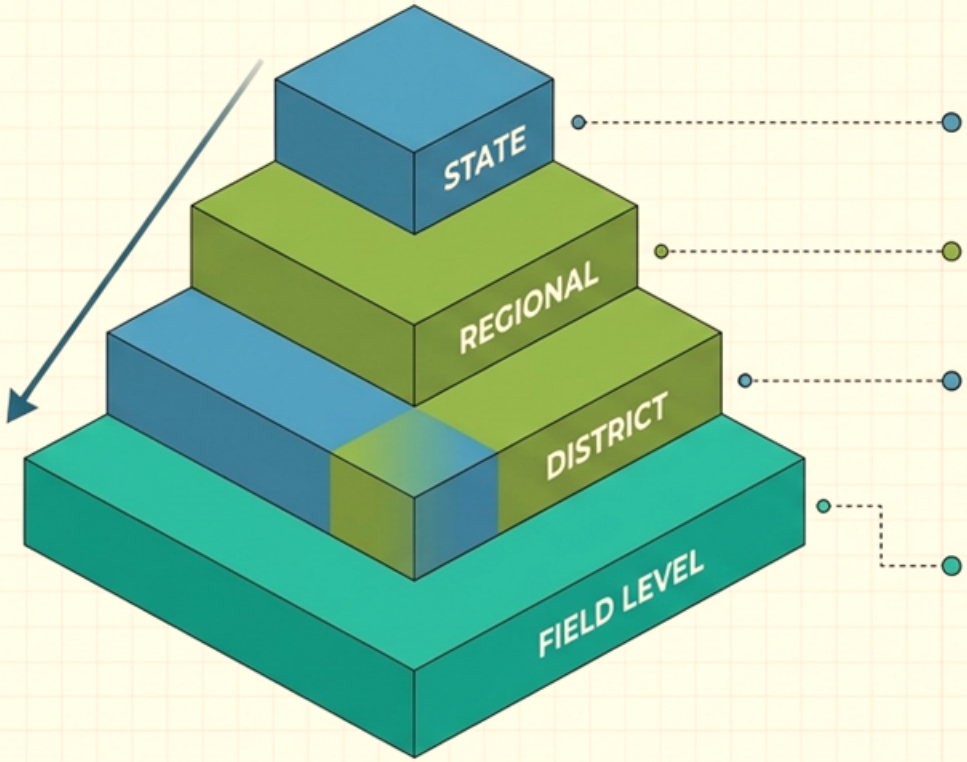


CORE OBJECTIVES

- **OBJECTIVE 1:** Coordination between WRD and Agricultural Department for beneficiary of farmers.
- **OBJECTIVE 2:** Eliminate the gap between created capacity and actual irrigated area.
- **OBJECTIVE 3:** Optimize seasonal crop planning based on water availability, soil, and climate.
- **OBJECTIVE 4:** Modernize distribution via micro-irrigation and pipe networks.

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A FOUR-TIER GOVERNANCE ARCHITECTURE CASCADES STATE AUTHORTY TO THE FIELD



Coordination Architecture Matrix

STATE LEVEL (POLICY & CONTROL)	**LEADERSHIP:** CO-CHAIRED BY ADDL. CHIEF SECRETARY (AGRI) & PRINCIPAL SECRETARY (WATER)	**CADENCE:** BI-ANNUAL (PRE-RABI AND PRE-SUMMER)
REGIONAL LEVEL (STRATEGIC PLANNING)	**FUNCTION:** TRANSLATES STATE POLICY INTO REGIONAL EXECUTION	**MANDATE:** REVIEWS PAST SEASONAL PERFORMANCE TO OPTIMIZE UTILIZATION
DISTRICT LEVEL (EXECUTION & ENGAGEMENT)	**LEADERSHIP:** SUPERINTENDING ENGINEER (IRRIGATION)	**MANDATE:** SCHEDULE EXECUTION, CONDUCT ANNUAL WORKSHOPS WITH PROGRESSIVE FARMERS
FIELD LEVEL (GRASSROOTS INTEGRATION)	**LEADERSHIP:** EXECUTIVE ENGINEER (MANAGEMENT)	**COMPOSITION:** TALUKA AGRI OFFICERS + **PRESIDENTS OF WATER USERS ASSOCIATIONS (WUAs)**

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Government of Maharashtra
Water Resources Department

Water Awareness Week

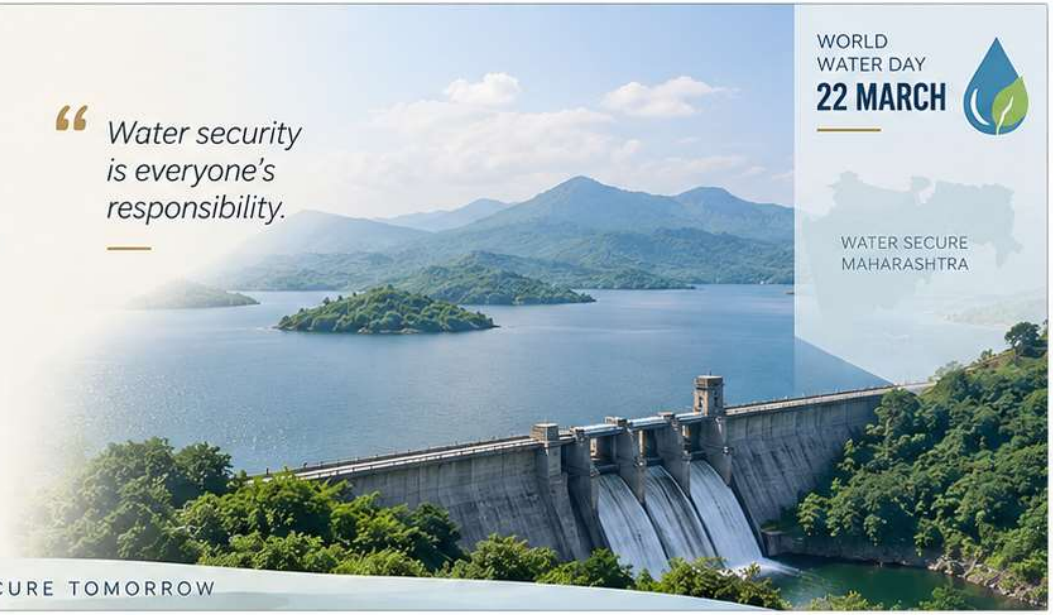
People's Participation for a Water Secure Maharashtra

16 – 22 March
Celebrated every year across Maharashtra

State to Village Level
Through all Government and semi-Government offices

Create Awareness
Promote judicious use, prevent wastage and protect water sources

"Water security is everyone's responsibility.



CONSERVE | PLAN | PARTICIPATE | SECURE TOMORROW

Key Focus Areas During Water Awareness Week

Collective Action for Sustainable Water Management

Government of Maharashtra
Water Resources Department

Use Water Judiciously
Use only what is needed, prevent wastage

Protect Water Sources
Keep rivers, reservoirs and natural sources clean and healthy

People's Participation
Active involvement is key to addressing water scarcity

Strengthen Infrastructure
Protect dams, canals and other water assets

Follow Laws and Rules
Ensure compliance for sustainable use

Plan for the Future
Build a water secure and prosperous Maharashtra

PEOPLE | WATER | PROSPERITY | MAHARASHTRA

Every Drop Counts for a Brighter Tomorrow

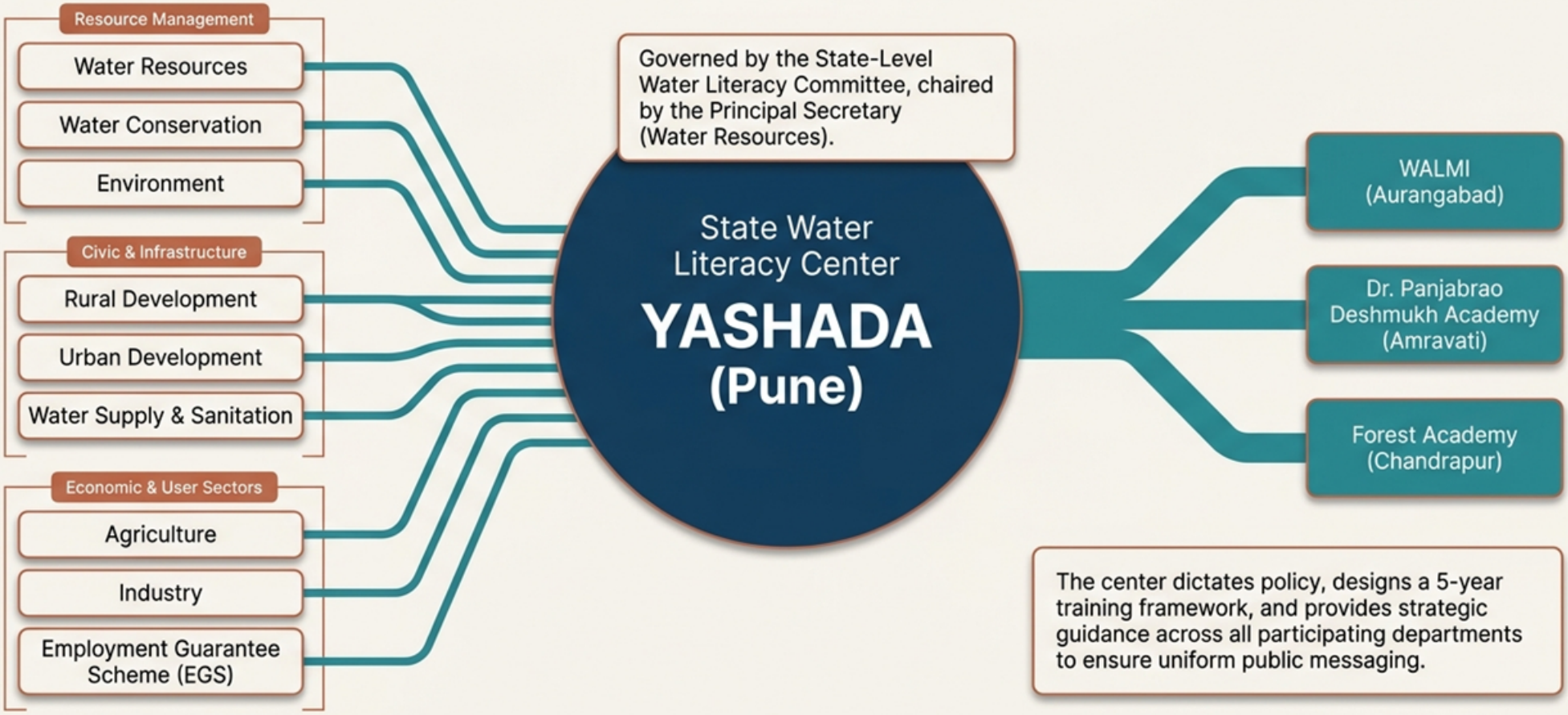
A Coordinated Approach to Departmental Synergies

A cross-functional mandate matrix assigning specific domains, localized outreach tactics, and measurable KPIs to parallel state departments.

	Lead Departments	Strategic Mandate	Key Local Actors	Tangible KPI
Agriculture & Irrigation	Water Resources; Agriculture & Animal Husbandry.	Promote micro-irrigation, canal protection, and joint use of groundwater/surface water.	Superintending Engineers, Taluka Agri Officers.	**+10% Increase in irrigation area from currently available water.**
Urban, Industrial & Environment	Urban Development; Environment & Industry; Water Supply.	Enforce industrial pollution controls, mandate metered water supply, and promote domestic rationing.	Municipal Commissioners, Industry Management, Chief Officers.	**-10% Reduction in domestic water waste.**
Rural Dev & Education	Rural Development; School & Higher Education.	Ingrain water literacy, promote Jalyukt Shivar awareness, and conduct well-recharge demonstrations.	Zilla Parishad CEOs, Teachers, Gram Panchayats.	**Establish a public Jal Lekha (Water Account) in every village.**

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State-level integration centralizes distinct departmental silos into a unified water literacy mandate.



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The Jal-Nayak Model

PEOPLE | CAPACITY | LOCAL OWNERSHIP | LASTING IMPACT

Stronger Communities
for a Water Secure Maharashtra

Jal-Karmi (Field Staff)

Institutional frontline staff directly interacting with the public. Trained by the State Centers.

Jal-Sevak (Village Volunteer)

The community representative. Mandated at exactly one per Gram Panchayat.

Step 1: Legitimization (Local Consent)

The Gram Sabha must officially approve the selection of the Jal-Sevak, ensuring the volunteer possesses democratic backing and local trust.

Step 2: Escalation (Bureaucratic Link)

The Gram Sevak securely routes the approved selection list upward to the Block Development Officer (BDO) at the Panchayat Samiti.

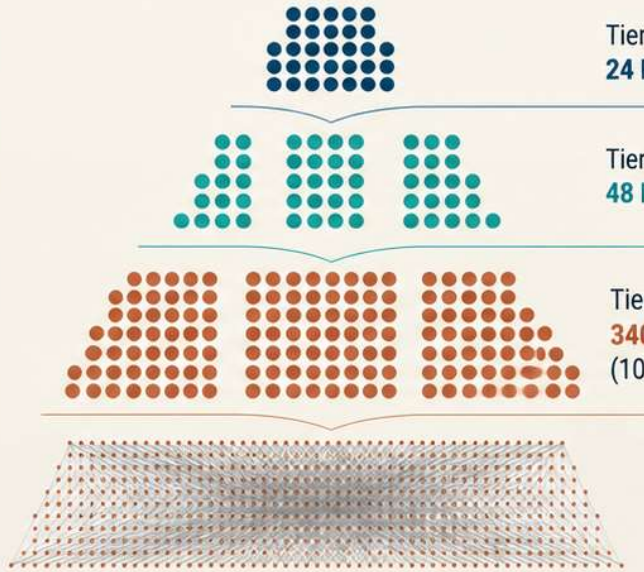
Step 3: Integration (System Entry)

The BDO feeds this local mandate up to the Taluka/District Coordination Committees and the regional training centers.

Step 4: Accountability (Quality Control)

Power remains localized. If a Jal-Sevak's performance is inadequate, the Gram Sabha / Local Body retains full executive authority to revoke the appointment, closing the feedback loop.

The Jal-Nayak Trainer Network Expansion



Tier 1 (State Level):
24 Nodes

Tier 2 (Divisional Level):
48 Nodes (8 per division)

Tier 3 (District Level):
340 Nodes
(10 per district)

Tier 4 (Taluka Level):
3,224 Nodes
(12 per taluka)

Alignment Note: Coordination Committees operate symmetrically at State, District, and Taluka levels to oversee this network.

Thank You

FOR YOUR TIME AND SUPPORT

CONSERVE TODAY

BETTER TOMORROW

TOGETHER FOR A WATER SECURE MAHARASHTRA

