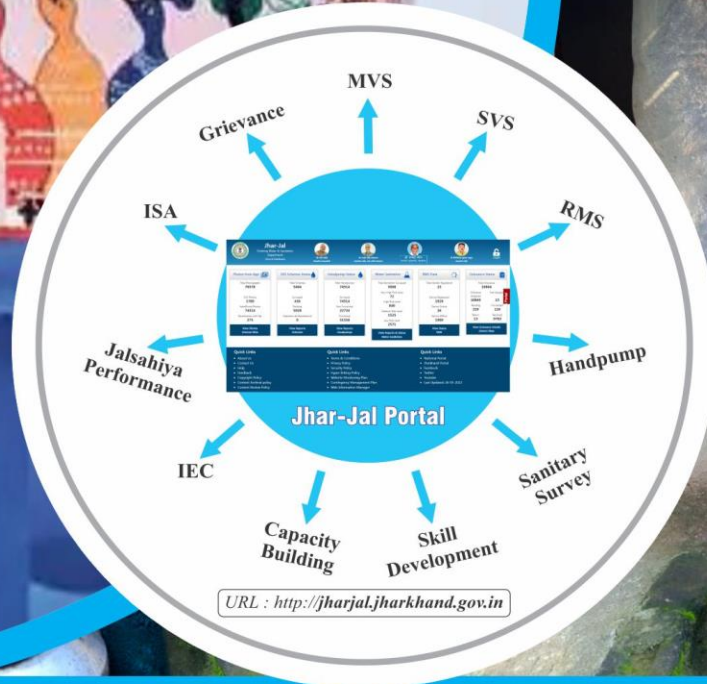




Jhar-Jal Portal

Drinking Water and Sanitation Department, Jharkhand



“Digital platform has enabled the department in ensuring equitable and safe drinking water supply to all.”

Tollfree No. : 1800-3456-502 : 94701-76901 | : 0651-2482140 | : callcentredwsd.jharkhand@gmail.com

Key Features

Technology

Data-Analytics to generate periodic Graphical reports

GIS Enabled Asset Management

IoT/ AI based water distribution management

Pre-Monsoon & Post-Monsoon prediction for Water level

Centralized Database with comprehensive Dashboards at all levels

Citizen Centric

Predictive Analysis, Robust Planning and effective decision making

Capacity Building of all stakeholders & strategic Management of IEC

Allocation of resources for O&M in Convergence with other departments

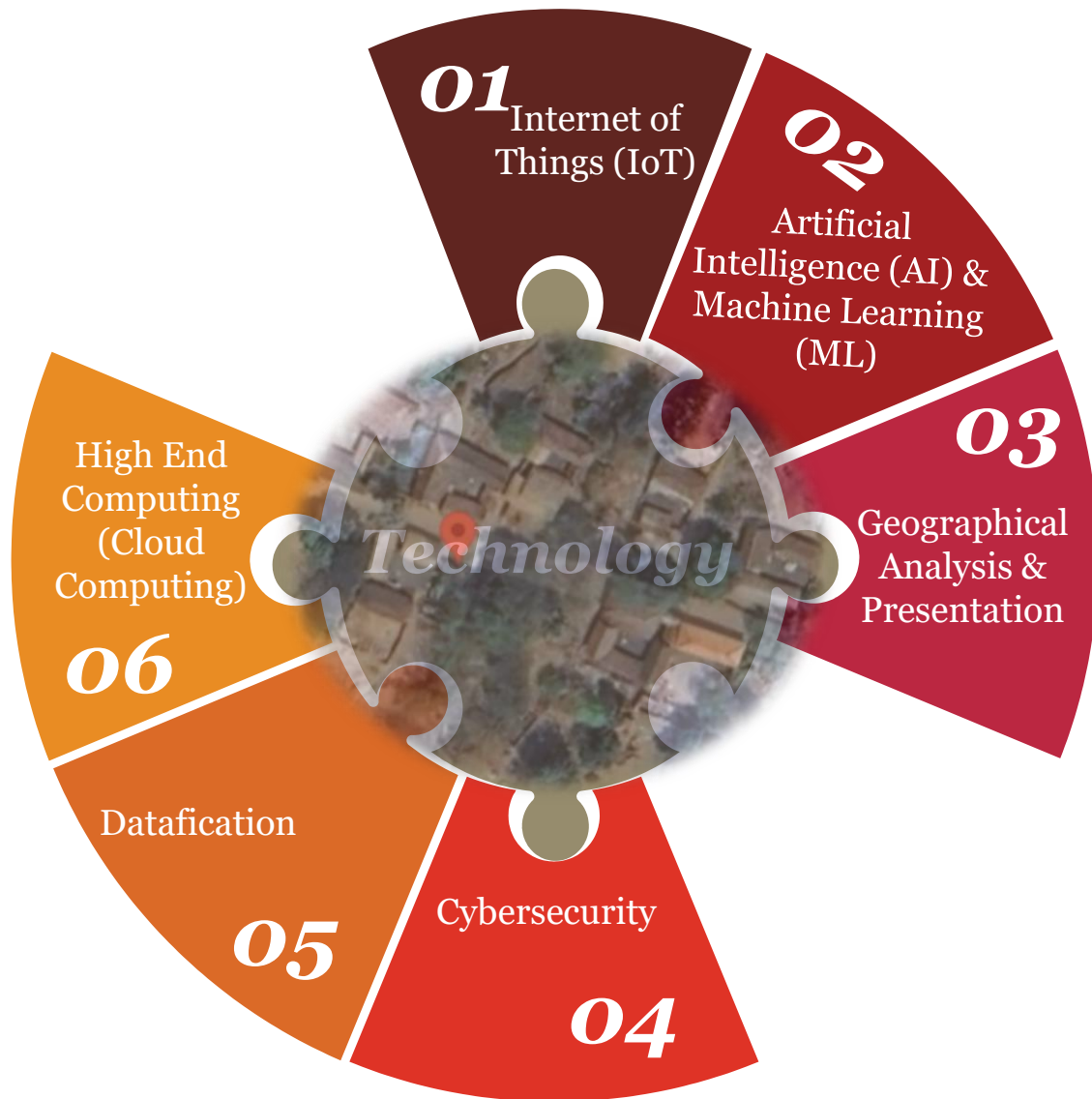
Performance based incentives to work-force i.e. Jal Sahiya

Hassel free public services to Citizens

- Real-Time Web/Mobile based monitoring
- GIS enabled Multi-modal Citizen Centric services
- Effective Grievance Redressal & Service Delivery
- Dedicated grievance redressal cell
- Alert for every action via SMS



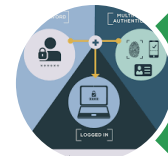
Emerging Technologies used with emphasis on Data Privacy



Geo Fencing and Stamping using advanced technology



Fully Secured web portal hosted in State Data Centre



Multi factor Authentication mechanism for secure login



Centrally managed disk encryption mechanism

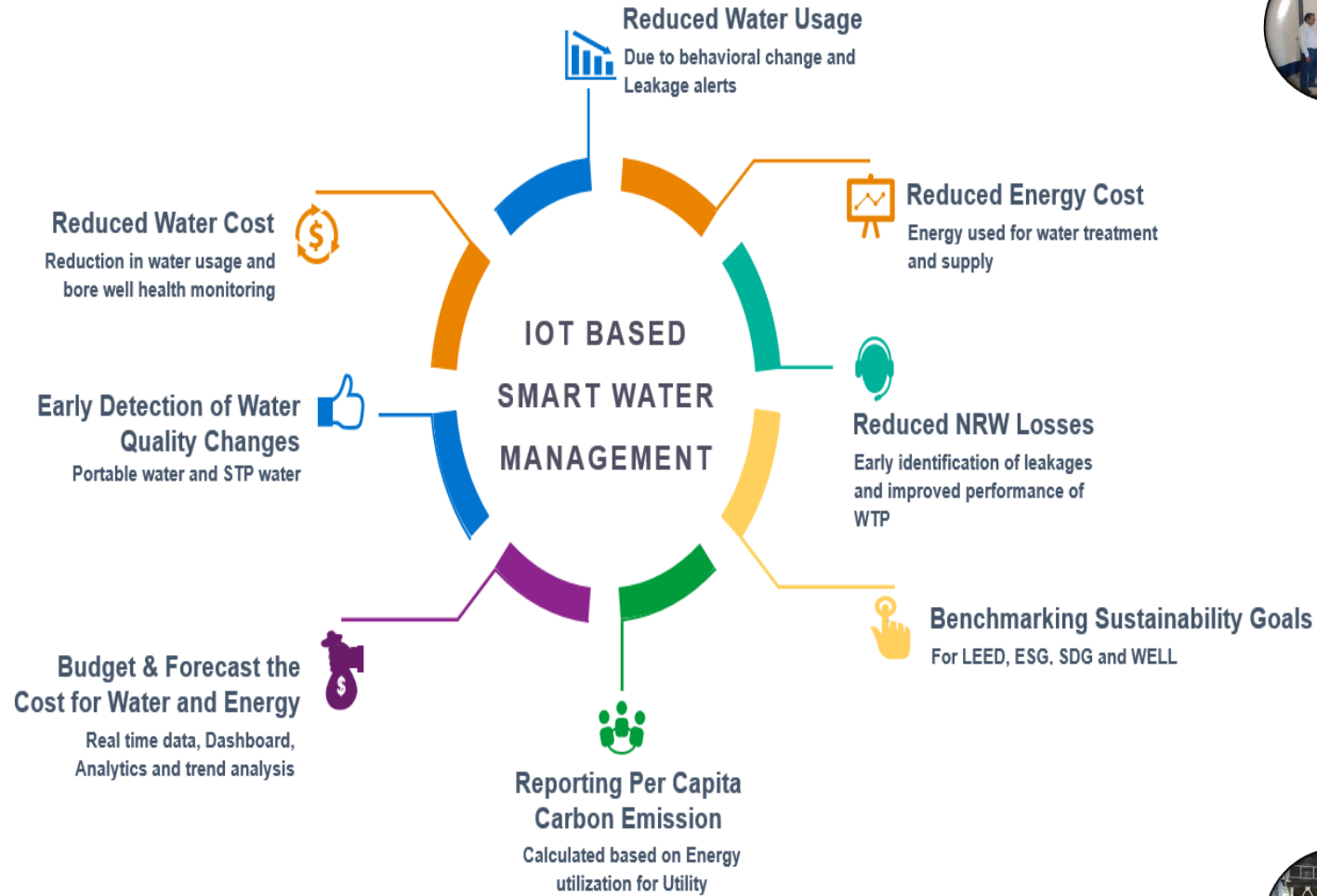


Data encryption and masking for enhanced data security



Integrated WhatsApp interaction with end user

IoT Based Smart Water Management



Water balancing



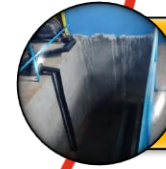
Per capita consumption



Non-Revenue Water loss



Water quality of portable water

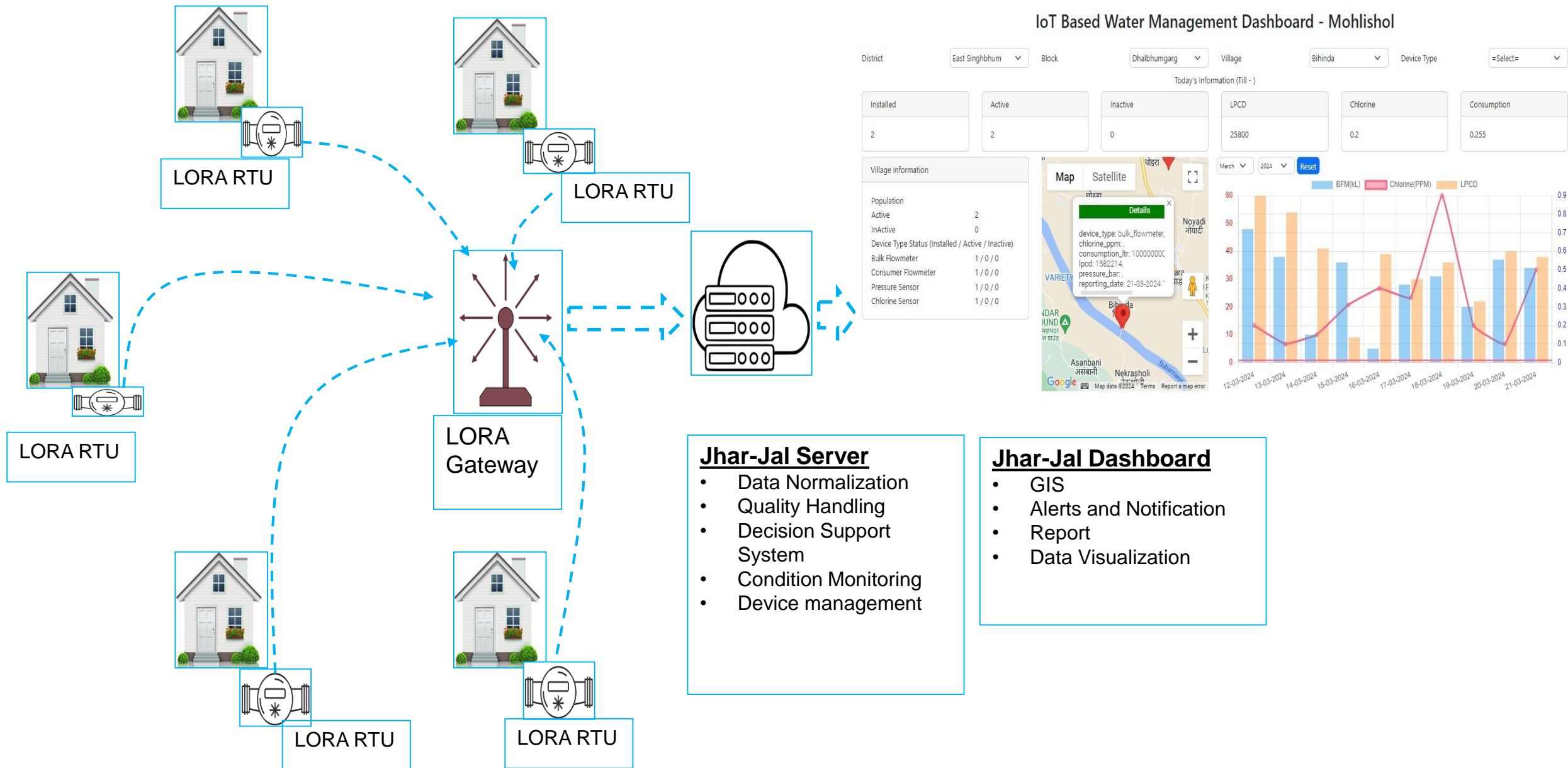


Energy utilised for supply and treatment of water



Reduced Carbon Emission

Sensor Based Water Management



AI Based Water Distribution Management

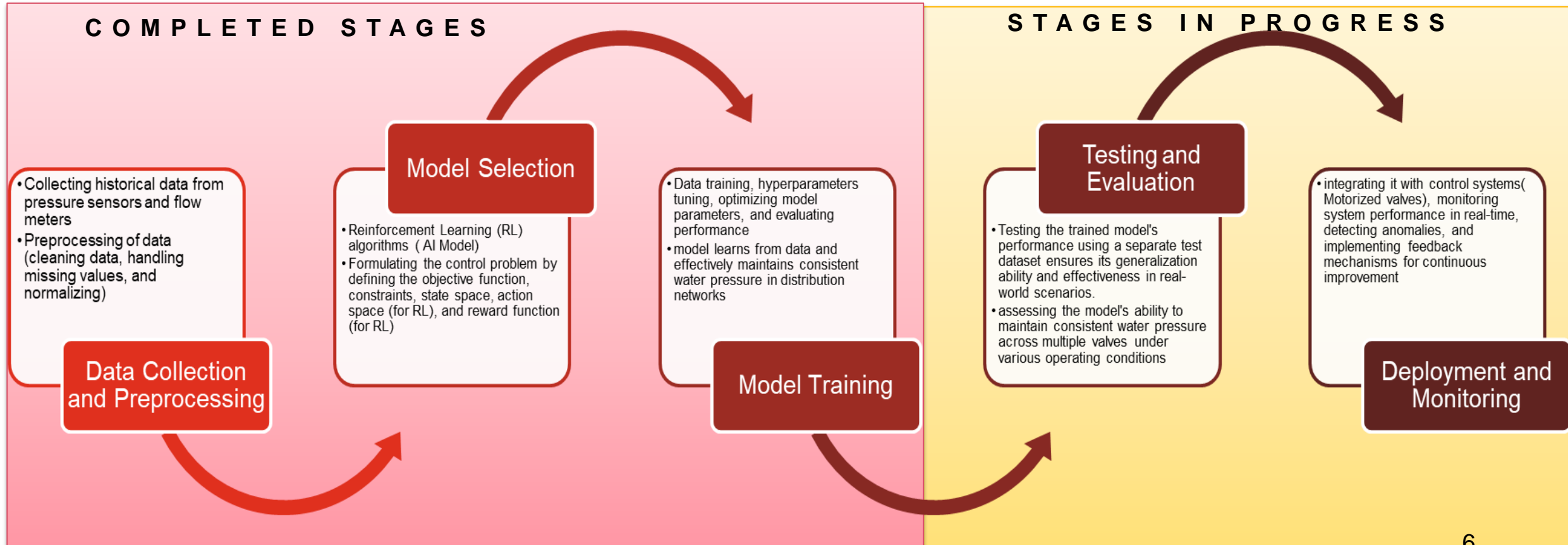
Challenges Addressed

- Fluctuating demand patterns
- Varying terrain
- Energy-efficient operation



Expected Outcome

- Equitable distribution
- Reduced NRW losses
- Improved System performance



Performance Modules



Jal Sahiyas conduct the following activities through Jhar-Jal Portal

3,51,156 no. of Jal Choupal conducted

2,63,255 Gram Sabhas have been conducted

14595 water resource mapping have been done.

76794 school competition have been conducted

566452 SHGs members have been engaged

44548 Rallies have been organized

Impact

Predictive Analysis of Water Sanitation 2

Gender Equity 4

Effective O & M for assured service delivery 6

Ease of Living 1

Transparency for Good Governance 3

Impact on Social Recognition 5

Optimum utilization in Time & Resource 7

Outcomes

Grievance redressal up to 92% aligned with SDGs 1

Data-Based Hydromorphological Planning 2

Accountability of over 54K personnel of the department 3

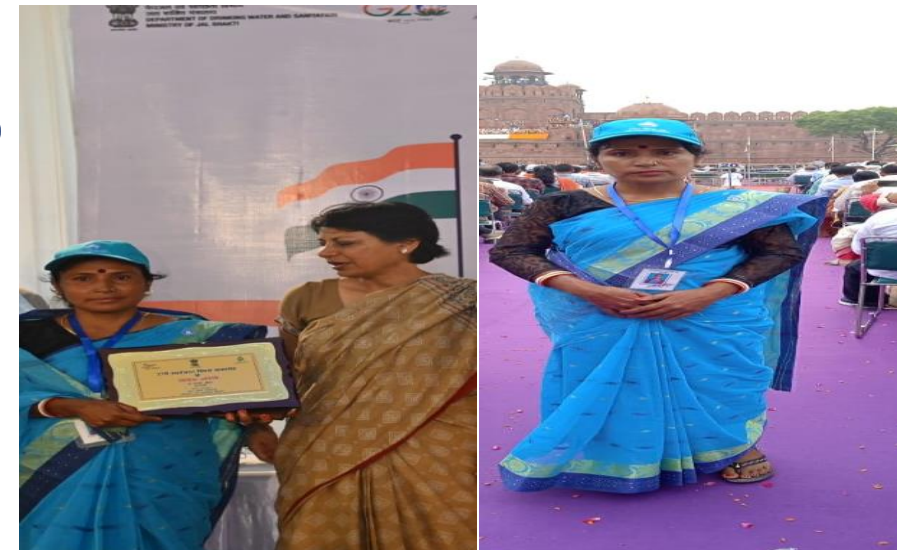
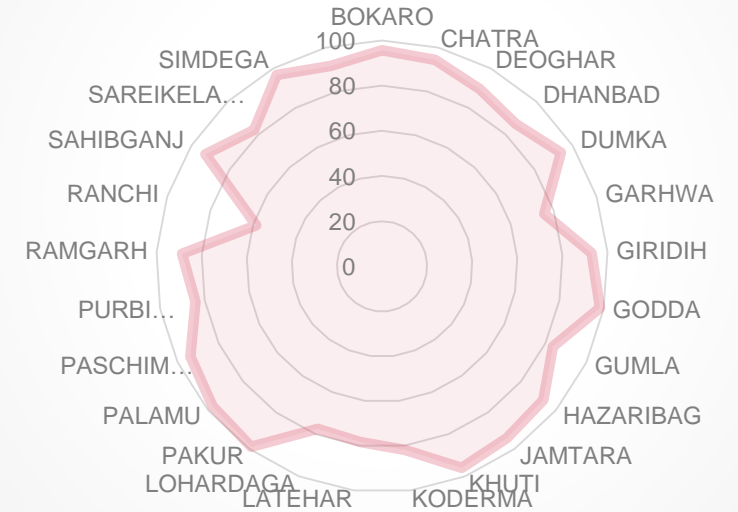
Training imparted to 146,250 number of women in 29,250 villages 4

63 Jal Sahiya & Rani Mistri were elected as PRI members 5

Safe and potable water for all irrespective of LWE, PVTG, aspirational and others 6

Response time reduced from over months to less than 48 hours 7

Resolved percentage of the state: 92%



Jal sahiya attended as special guest at Red Fort, Delhi for O & M practices through JharJal

Is it Replicable?

Can be replicate in various Central & State Govt. Departments

Grievance Redressal Management

- Real time monitoring
- Citizen Centric Services

Health

- Anaemia Tracking
- Maternal and Child Health Care
- Health Care' Assets Management

Education

- Teacher-students' Attendance
- Infrastructure and resource Monitoring
- Mid-Day meal schemes

Social Welfare

- Access to Nutrition
- Tracking of Mal-nourished children
- Adolescent girls & Pregnant women

Food Security

- GPS enabled-PDS delivery
- Pilferage Prevention

THANKS