WATER ASSESSMENT REPORT

Jalsenx
Intelligent Water Technologies



# DAYS HOTEL JAIPUR

Days Hotel BY WYNDHAM

## FAUCET FLOW ASSESSMENT

Jalsenx conducted an on-site faucet flow assessment to evaluate water-saving potential using the recommended aerator solution without compromising user experience.

| Savings projection | MEASURED FLOW REDUCTION | ESTIMATED ANNUAL SAVINGS | ESTIMATED PAYBACK TIME |
|---|---|---|---|
| 100 UNITS | 65% | ₹1,02,492 | 1 MONTH |
| BASEMENT WASHROOM | 4 LPM Foam Aerator | Selected Solution | Selected Solution |

## 1. MEASURED RESULTS – FAUCET FLOW

**EXISTING FLOW (BEFORE)**

12 LPM

Existing Flow Rate

→

**WITH 4 LPM FOAM AERATOR**

4.2 LPM

Flow Rate After Installation (65% Reduction)

→

**WATER FLOW REDUCTION**

65%

With 4 LPM Foam Aerator

## 2. ANNUAL SAVINGS POTENTIAL (BASED ON 100 AERATORS)

SELECTED

### 4 LPM FOAM AERATOR



| Water Reduction | Water Saved | Annual Cost Savings | Estimated Payback Time |
|---|---|---|---|
| 65% | 5,694 KL / YEAR | ₹1,02,492 | 1 MONTH |

*Ideal for maintaining a comfortable flow while achieving significant water savings.*

## 3. COMPARISON ATA GLANCE

| PARAMETER | EXISTING (WITHOUT AERATOR) | SELECTED SOLUTION |
|---|---|---|
| Flow Rate (LPM) | 12 | 4.2 |
| Water Reduction | - | 65% |
| Water Saved (KL / Year) | - | 5,694 |
| Annual Cost Savings (₹) | - | ₹1,02,492 |
| Estimated Payback Period | - | 1 MONTH |

** Calculations based on: 100 aerators, 20 minutes/day usage per fixture, 365 days/year, water cost @ ₹18 per KL.*

## 4. DEMONSTRATION DETAILS

**PRODUCT DEMONSTRATED**
4 LPM Foam Faucet Aerator

**SAVINGS PROJECTION**
100 Pieces

**FLOW RATE BEFORE DEMONSTRATION**
12 LPM

**FLOW RATE AFTER DEMONSTRATION**
4.2 LPM

**OBSERVED FLOW REDUCTION**
65%

## 5. SAVINGS CALCULATION (100 AERATORS)

### 4 LPM Foam Aerator

- Flow Reduction per Tap:
  12 − 4.2 = 7.8 LPM
- Daily Water Saved per Tap:
  7.8 × 20 = 156 L/day
- Daily Water Saved (100 Aerators):
  156 × 100 = 15,600 L/day
- Annual Water Saved:
  15,600 × 365 / 1000 = 5,694 KL/year
- Annual Cost Savings:
  5,694 × ₹18 = ₹1,02,492

## 6. RECOMMENDATION

✓ **RECOMMENDED SOLUTION**

### 4 LPM FOAM AERATOR

- Significant water savings with comfortable flow
- Ideal for washrooms, basements & general use areas
- Faster adoption with excellent user satisfaction
- Quick payback with long-term operational savings

**For optimal results, install the selected 4 LPM Foam Aerator across all applicable faucet points.**

## ABOUT JALSENX

Jalsenx provides high-performance, retrofit water-saving aerators and flow regulators for hotels, hospitals, commercial buildings and institutions across India.

## Want to know how much can your property save ?

Book a Free Water Assessment →

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*Disclaimer: Measured results are based on the assessed fixtures and operating conditions. Actual water savings may vary depending on usage patterns and operating conditions.*