Real-time Water Quality

● Last updated: 2 minutes ago

🧪 **pH Level**   +0.1
7.2 pH
Neutral range

🌡 **Temperature**   -1.2
18.5 ℃
Optimal range

⚡ **Conductivity**   +15
245 µS/cm
Slightly elevated

💧 **Turbidity**   -0.8
3.2 NTU
Clear water

Active Alerts

⚠ **2 Critical**

⚠ **High Turbidity Detected**   🕐 5 min ago
📍 Downstream Point C
Turbidity levels exceeded 10 NTU threshold

🔔 **pH Level Rising**   🕐 15 min ago
📍 Mid-stream Point B
pH trending upward, approaching upper limit

🔔 **New Community Report**   🕐 32 min ago
📍 Industrial Zone D
Citizen reported unusual foam formation

View All Alerts

Sampling Locations

📷 24 photos today

7-Day Trends

〰

📈 pH   +2.3%

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| 📊 Monitoring | 👥 Community | ☁ Forecast | ⚙ Management | 🗺 Ganga Map | 📄 Manager Hub | 🎤 |

Community Reports
Citizen-sourced water quality observations

127
Active Contributors

📷 Submit Report

R **Rajesh Kumar**
⊙ Near Yamuna Bridge

Verified

⭐⭐⭐⭐☆ 4/5

Water seems clearer today, good flow rate

📷

2 hours ago   💬 Reply

P **Priya Sharma**
⊙ Industrial Area

⭐⭐☆☆☆ 2/5

Strong chemical smell, foam visible on surface

📷

5 hours ago   💬 Reply

M **Mohammed Ali**
⊙ Downstream Village

Verified

⭐⭐⭐☆☆ 3/5

Moderate turbidity, fish visible

1 day ago   💬 Reply

📊 Monitoring   👥 **Community**   ☁ Forecast   ⚙ Management   📖 Ganga Map   📄 Manager Hub   🎤

Community Reports
Citizen-sourced water quality observations

127
Active Contributors

📷 Submit Report

New Water Quality Report

Location

Enter location or use GPS   ◎

Water Quality Rating

Excellent (5 stars) ⌄

Description

Describe water conditions, smell, color, wildlife, etc.

Photo Upload

⬆

Click to upload or drag and drop photos

PNG, JPG up to 10MB

Cancel   Submit Report

Hydrodynamic Forecast
Event-triggered water quality predictions

☂ Monsoon Active

🌧	💧	📈
28mm	**+45%**	**High**
Expected Rainfall (24h)	Flow Rate Increase	Turbidity Risk

Timeline Forecast

📅 **Next 6 Hours**   `Low Risk`

Rainfall	Flow Rate	Turbidity
12mm	+15%	Moderate

📅 **Next 12 Hours**   `Medium Risk`

Rainfall	Flow Rate	Turbidity
28mm	+35%	High

Weather Impact

☂ **Heavy Rainfall Alert**

Expected precipitation will increase river flow by 45-60% in the next 24 hours. Turbidity levels may spike due to surface runoff.

🌬 **Wind Advisory**

Strong winds (15-20 km/h) may cause water surface agitation and affect sampling accuracy at exposed locations.

📊 Monitoring   👥 Community   ☁ Forecast   ⚙ **Management**   📖 Ganga Map   📄 Manager Hub   🎤

Management Dashboard
Actionable insights for water quality management

3 **7** **12**
Active Issues   Pending Actions   Resolved Today

🛡
94%
Compliance Rate

👥
127
Active Volunteers

📄
45
Reports Today

⚡
2.3s
Avg Response Time

Decision Support Cards

⚠ **Industrial Discharge Detected**
Zone D - Chemical Plant

Confidence: 85%
AI Prediction

Impact Level: **Timeframe:**   **Recommended Action:**
High   2 hours   Deploy emergency response team
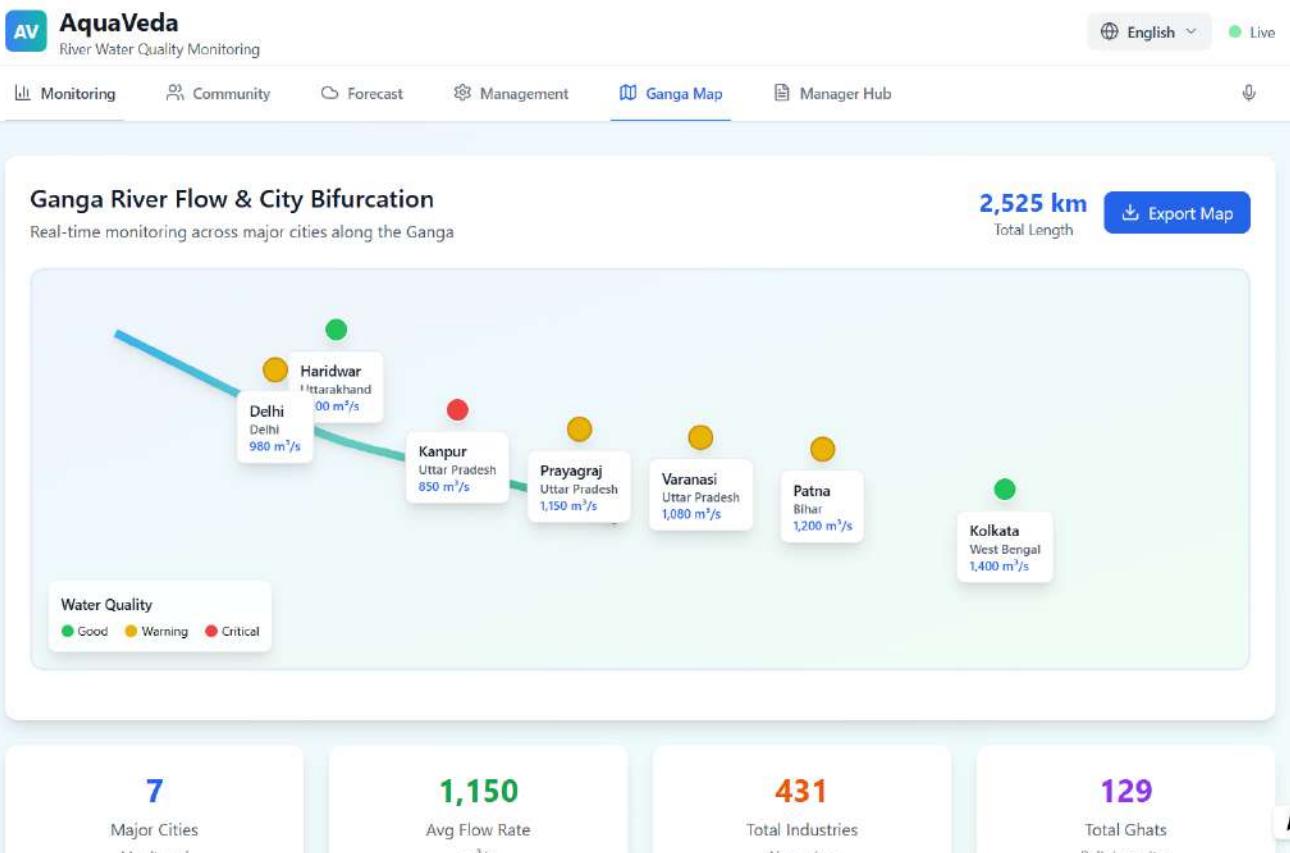
View Details   **Assign Team**   **Take Action**

⚠ **Increased Turbidity Forecast**   Confidence: 72%

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Ganga River Flow & City Bifurcation
Real-time monitoring across major cities along the Ganga

2,525 km
Total Length

⬇ Export Map

Haridwar
Uttarakhand
00 m³/s

Delhi
Delhi
980 m³/s

Kanpur
Uttar Pradesh
850 m³/s

Prayagraj
Uttar Pradesh
1,150 m³/s

Varanasi
Uttar Pradesh
1,080 m³/s

Patna
Bihar
1,200 m³/s

Kolkata
West Bengal
1,400 m³/s

Water Quality
● Good   ● Warning   ● Critical

7	**1,150**	**431**	**129**
Major Cities Monitored	Avg Flow Rate m³/s	Total Industries Along river	Total Ghats Religious sites

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Manager Information Hub

Comprehensive reports and analytics for water quality management

5
Active Reports

📄 Generate Report

Water Quality Index +2.3%	Compliance Rate +1.8%	Community Reports +15.2%	Alert Response Time -12.5%
72.5	**94.2%**	**1,247**	**2.3 min**

📄 **Monthly Water Quality Summary**
Summary Report

`Ready`

Comprehensive analysis of water quality parameters across all monitoring stations

📅 2024-01-15   📄 24 pages

View Details   ⬇ PDF

📄 **Industrial Pollution Assessment**
Technical Report

`Ready`

Detailed assessment of industrial discharge impact on river water quality

📅 2024-01-12   📄 18 pages

View Details   ⬇ PDF

📄 **Community Engagement Report**
Social Impact

`Ready`

Analysis of citizen participation and community-sourced data contributions

📅 2024-01-10   📄 12 pages

📄 **Hydrodynamic Forecast Accuracy**
Performance Report

`Ready`

Evaluation of forecast model performance and prediction accuracy

📅 2024-01-08   📄 16 pages

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