



# AQUA DYNAMIC GROUP

Water Purification Systems | SS Heavy Fabrication | Solar EPC  
Malkapur, Buldhana District, Maharashtra, India

## Corporate & Regulatory Overview

|                                |                                                                                     |
|--------------------------------|-------------------------------------------------------------------------------------|
| Legal Names                    | Aqua Dynamic Solution (Firm) / Aqua Dynamic Green Energy Pvt Ltd                    |
| GSTIN / CIN                    | GSTIN: 27AAKFA5219M1Z6   CIN: U40106MH2022PTC386605                                 |
| Founders & Directors           | Sanmati Tilokchand Jain, Rahul Prabhakar Rane, Amit P. Rane, Sushila T. Jain        |
| Certifications & Tech Transfer | ISO 9001:2008 Certified   BARC (Bhabha Atomic Research Centre) Licensee             |
| Registered Works               | Plot 8 & 9, S.No. 124/3, Nandura Rd, Khaparkheda, NH-6, Malkapur, Buldhana - 443101 |
| Key Contacts                   | Phones: +91 9923430408, +91 9923470826   Landline: 07267-226498                     |

## 1. Water & Wastewater Purification Systems

With over 22 years of domain leadership and proven technology transfer from **Bhabha Atomic Research Centre (BARC)**, Aqua Dynamic manufactures state-of-the-art water purification systems conforming to BIS, WHO, and CPCB standards:

| Equipment / Plant         | Capacity / Specs                             | Key Features                                                                           |
|---------------------------|----------------------------------------------|----------------------------------------------------------------------------------------|
| Industrial RO Plants      | 50 LPH to 50,000 LPH<br>(TFC Spiral Wound)   | Removes up to 99% TDS, heavy metals. Integrated pre-filtration & CIP provision.        |
| Sewage Treatment (STP)    | 10 KLD to 1000 KLD<br>(MBBR / SAFF Process)  | Compact footprint, odorless, low energy, reduces BOD/COD for flushing & gardening.     |
| Effluent Treatment (ETP)  | Custom Engineered<br>(Physicochemical + Bio) | Chemical precipitation, sludge dewatering, Zero Liquid Discharge (ZLD) options.        |
| Ultrafiltration (UF) & DM | 0.01 Micron Cutoff<br>Mixed Bed Polishing    | Sterile microbial cutoff, produces high-purity demineralized water for pharma/boilers. |
| Water ATMs & Bottling     | 250 to 1000 LPH ATM<br>30-40 BPM Packaging   | Coin/RFID smartcard dispense, automatic 3-in-1 bottle rinsing, filling, and capping.   |

## 2. Stainless Steel Heavy Equipment Fabrication

Aqua Dynamic's Malkapur manufacturing works features dedicated fabrication bays with automated orbital TIG welding, shearing, hydraulic rolling, and sanitary electro-polishing equipment:

| Fabricated Product       | MOC / Range                                | Application & Capabilities                                                            |
|--------------------------|--------------------------------------------|---------------------------------------------------------------------------------------|
| SS Storage Tanks & Silos | SS 304, 304L, 316, 316L<br>500L to 50,000L | Sanitary dished heads, CIP spray balls, insulated dimple jackets for pharma/dairy.    |
| SS Chemical Reactors     | 250L to 10,000L<br>Vacuum to 10 kg/cm2     | Limpet coil heating/cooling, mechanical seals, multi-type agitators (Anchor/Turbine). |

|                            |                                                |                                                                                     |
|----------------------------|------------------------------------------------|-------------------------------------------------------------------------------------|
| Non-IBR Industrial Boilers | 100 to 850 kg/hr steam<br>Gas/Diesel/Biomass   | 3-pass wetback design, quick steam generation (3-5 min), exempt from IBR licensing. |
| Filter Housings & Skids    | SS 304/316 Box Pipe<br>3 to 30 Cartridge units | Swing-bolt sanitary closures, pre-assembled modular skids with piping & valves.     |

### 3. Solar Power EPC & Mounting Structures

Through **Aqua Dynamic Green Energy Pvt Ltd**, the group delivers turnkey photovoltaic solar EPC projects and structural mounting systems:

| Solar Solution                 | Scope / Capacity                       | Features & Advantages                                                                   |
|--------------------------------|----------------------------------------|-----------------------------------------------------------------------------------------|
| Commercial Rooftop Solar       | 10 kW to 5 MW<br>On-Grid & Hybrid      | Turnkey engineering, Net-Metering liaisoning, high-efficiency Mono PERC/TOPCon modules. |
| Galvanized Mounting Structures | GI 80-120 micron<br>High-Tensile Steel | Engineered for 160-180 km/h wind loads. 25-year structural corrosion warranty.          |
| Utility Solar Development      | 28 MW Solar Power<br>Buldhana District | Strategic partnership with PVV Infra Ltd for large-scale grid energy generation.        |

**Corporate Inquiries & Factory Visits:**  
 Plot No. 8 & 9, S.No. 124/3, Nandura Road, Khaparkheda, Behind Hotel Surya, NH-6, Malkapur, Buldhana, MH - 443101  
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