



# Bottled Mineral & Drinking Water Line

Complete Turnkey Business Proposal



*Real supplier equipment reference for Bottled Mineral & Drinking Water Line*

|                                   |                                     |                                  |
|-----------------------------------|-------------------------------------|----------------------------------|
| <b>1 shift</b><br>entry operation | <b>Semi-auto</b><br>starting format | <b>Phased</b><br>capacity growth |
|-----------------------------------|-------------------------------------|----------------------------------|

Prepared for investment planning in Afghanistan and regional export markets. Final specifications, pricing, civil works, and utility loads require supplier quotation and site survey.

## Executive Summary

---

This proposal presents a practical low-entry bottled mineral & drinking water line for Afghanistan. Multi-stage water purification, ozonisation/UV disinfection, bottle filling, capping and labelling. The starting configuration prioritizes economical Chinese machinery, local fabrication of noncritical items, affordable local labor, simple buildings and phased automation.

### Why this project fits Afghanistan

- Local production can replace selected imported finished goods.
- Affordable land, labor and local fabrication reduce the entry threshold.
- A one-shift starting model limits working-capital pressure.
- Modular equipment allows capacity to grow with confirmed sales.

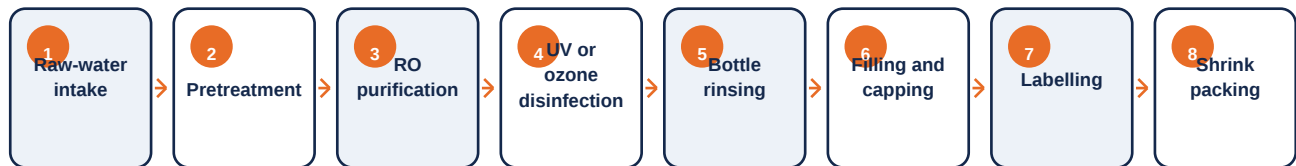
### Sanaatchi delivery scope

- Factory setup planning, supplier pre-qualification, and technical comparison
- Complete production-line and individual equipment supply
- Factory layout, utilities, civil-work coordination, installation, and commissioning
- Raw-material sourcing, trial-batch qualification, and repeat supply planning
- International logistics, customs documentation, operator training, spare parts, and after-sales support

Start with one semi-automatic shift and the minimum core equipment needed for bottled mineral & drinking water line; add automatic handling and higher-speed packing after demand is proven.

## Manufacturing Process & Product Portfolio

### Integrated process flow



### Target products

| Product                 | Typical specification                                                               | Primary market                         |
|-------------------------|-------------------------------------------------------------------------------------|----------------------------------------|
| Purified drinking water | Confirm size, grade, formulation and pack specification for purified drinking water | Afghanistan and nearby regional buyers |
| Mineral water           | Confirm size, grade, formulation and pack specification for mineral water           | Afghanistan and nearby regional buyers |
| Small PET bottles       | Confirm size, grade, formulation and pack specification for small pet bottles       | Afghanistan and nearby regional buyers |
| Large bottles or jars   | Confirm size, grade, formulation and pack specification for large bottles or jars   | Afghanistan and nearby regional buyers |

The proposed flow is derived from the website product scope: Multi-stage water purification, ozonisation/UV disinfection, bottle filling, capping and labelling. Final machine models, recipes, output and quality standards must be confirmed against local raw materials and buyer requirements.

## Core Equipment Schedule

| Step | Equipment                         | Function                                                                                                        | Indicative parameter                                                                             |
|------|-----------------------------------|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| 1    | Raw-water tank                    | Performs the defined raw-water tank operation within the bottled mineral & drinking water process.              | Confirm capacity, working range, utilities, construction material, controls and acceptance test. |
| 2    | Multimedia filter                 | Cleans or conditions the process stream to the hygiene or purity required for bottled mineral & drinking water. | Confirm flow, water quality, treatment stages, recovery and sanitation method.                   |
| 3    | Activated-carbon filter           | Cleans or conditions the process stream to the hygiene or purity required for bottled mineral & drinking water. | Confirm flow, water quality, treatment stages, recovery and sanitation method.                   |
| 4    | Water softener or dosing unit     | Cleans or conditions the process stream to the hygiene or purity required for bottled mineral & drinking water. | Confirm flow, water quality, treatment stages, recovery and sanitation method.                   |
| 5    | Reverse-osmosis skid              | Cleans or conditions the process stream to the hygiene or purity required for bottled mineral & drinking water. | Confirm flow, water quality, treatment stages, recovery and sanitation method.                   |
| 6    | UV steriliser and ozone generator | Cleans or conditions the process stream to the hygiene or purity required for bottled mineral & drinking water. | Confirm flow, water quality, treatment stages, recovery and sanitation method.                   |
| 7    | Bottle rinser-filler-capper       | Cleans or conditions the process stream to the hygiene or purity required for bottled mineral & drinking water. | Confirm flow, water quality, treatment stages, recovery and sanitation method.                   |
| 8    | Labelling machine                 | Measures, closes, identifies or groups finished bottled mineral & drinking water for sale and transport.        | State pack sizes, packaging material, speed, coding and change-parts required.                   |
| 9    | Shrink wrapper                    | Measures, closes, identifies or groups finished bottled mineral & drinking water for sale and transport.        | State pack sizes, packaging material, speed, coding and change-parts required.                   |
| 10   | Water-quality laboratory          | Checks incoming material or finished bottled mineral & drinking water against the agreed acceptance criteria.   | Define defect limits, test method, sampling rate and reject arrangement.                         |

Equipment models are indicative and will be matched to the selected capacity, local raw-material tests, available utilities, and preferred automation level.

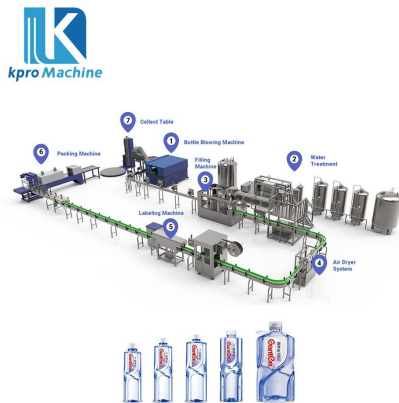
## Reference Equipment Gallery



Real supplier equipment reference for Bottled Mineral & Drinking Water Line



Real supplier equipment reference for Bottled Mineral & Drinking Water Line



Real supplier equipment reference for Bottled Mineral & Drinking Water Line

Images are supplier references for configuration discussion; final equipment appearance and model may differ.

## Plant, Raw Materials & Utility Requirements

### Raw materials

- Primary agricultural or food ingredients
- Recipe additives and processing aids
- Food-grade packaging materials
- Cleaning and sanitation chemicals
- Labels, cartons and pallet wrap

### Utilities & infrastructure

- Three-phase power
- Potable and process water
- Drainage and washable surfaces
- Steam, gas or electric heat as required
- Compressed air
- Cold room or dry warehouse where required

### Quality, safety and environmental controls

- Incoming-material inspection and supplier records
- Documented machine settings and production batches
- Routine dimensional, visual and functional checks
- Safe guarding, emergency stops and operator training
- Final product sampling before release and dispatch

A final factory layout must reserve safe forklift routes, maintenance clearances, raw-material segregation, finished-goods storage, fire protection, ventilation, and future expansion space.

## Indicative Investment & Implementation Plan

### LOW-ENTRY CONFIGURATION

Afghanistan entry case: economical Chinese equipment, locally fabricated noncritical items, local civil works and labor, phased automation, and land excluded. Optional automation can be added after sales are established.

| Component                       | Indicative range | Notes                                                   |
|---------------------------------|------------------|---------------------------------------------------------|
| Entry process machinery         | US\$45k-180k     | Economy configuration using local labor where practical |
| Local utilities and civil works | US\$15k-60k      | Economy configuration using local labor where practical |
| Packing and laboratory          | US\$12k-45k      | Economy configuration using local labor where practical |
| Freight and installation        | US\$15k-55k      | Economy configuration using local labor where practical |
| Working capital                 | US\$10k-40k      | Economy configuration using local labor where practical |
| Low-entry project total         | US\$97k-380k     | Economy configuration using local labor where practical |

### Implementation sequence

|         |            |                                                          |
|---------|------------|----------------------------------------------------------|
| Phase 1 | 2-3 weeks  | Confirm products, entry capacity and buyer requirements  |
| Phase 2 | 3-5 weeks  | Compare suppliers and finalize the economy configuration |
| Phase 3 | 6-12 weeks | Manufacture equipment and prepare the local workshop     |
| Phase 4 | 3-6 weeks  | Shipping and customs clearance                           |
| Phase 5 | 2-4 weeks  | Installation, training, trials and market launch         |

Ranges are planning targets for a low-cost entry configuration, exclude land, and remain subject to confirmed capacity, supplier quotation, freight, duties, exchange rates and site conditions.

## Next Steps & Contact Information

### Recommended next steps

- Confirm target products, hourly output, and packaging formats
- Test representative raw materials and document quality requirements
- Complete site survey covering electricity, water, fuel, drainage, roads, and warehouse space
- Request comparable technical and commercial quotations from shortlisted suppliers
- Finalize financing, logistics, installation, training, and spare-parts plan

#### **Sanaatchi Industrial Vision Group**

Afghanistan Office: +93 779 819 820 | [info@sanaatchi.com](mailto:info@sanaatchi.com)

China Office: +86 159 5171 6867 | [china@sanaatchi.com](mailto:china@sanaatchi.com)

Website: [www.sanaatchi.com](http://www.sanaatchi.com)

### Research and image references

- Made-in-China supplier image reference: <https://image.made-in-china.com/2f0j00WjdBkteYrJcE/Factory-Price-Automatic-Bottled-Drinking-Mineral-Water-Bottling-Production-Line-Include-Pet-Bottle-Blowing-Water-Filling-and-Cap-Sealing-and-Packing-Machine.jpg>

- Made-in-China supplier image reference: <https://image.made-in-china.com/2f0j00iSzcVObPNkm/Automatic-3-in-1-Pure-Mineral-Drinking-Plastic-Bottling-or-Glass-Bottling-Mineral-Water-Filling-Production-Line.jpg>

- Made-in-China supplier image reference: <https://image.made-in-china.com/2f0j00YykMOPhoyFqc/100ml-to-20-Liters-Bottled-Purified-Mineral-Water-3in1-Filling-Machine-Soft-Drink-Beverage-Juice-Complete-Bottling-Production-Line.jpg>