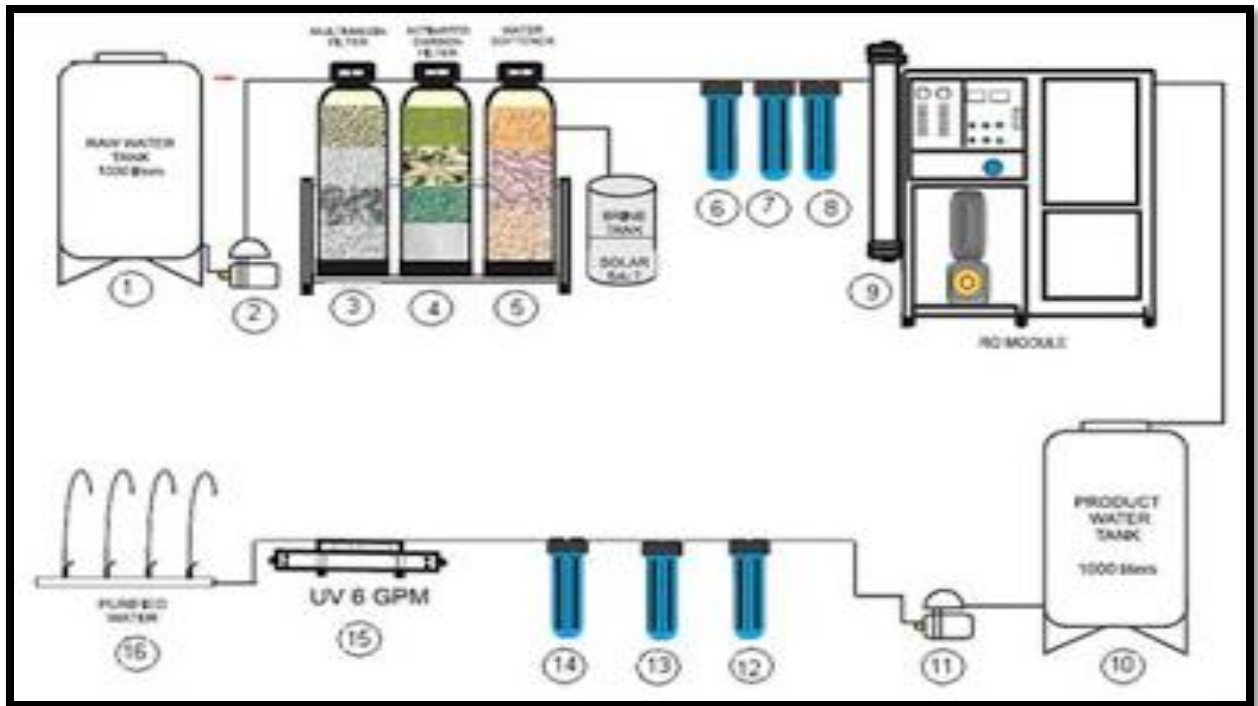


# WATER RE-FILLING STATION



- (1) **RAW WATER TANK** – Raw water from the main source will be stored in this tank. The tank is complete with level switches and automatic shut-off valve.
- (2) **RAW WATER PUMP** – pumps water to multimedia filters
- (3) **MULTI-MEDIA SEDIMENTS FILTER** - The water passes through a series of sediments media which removes suspended matter and fine sediments down to 20-10 microns size
- (4) **MULTI-MEDIA CARBON FILTER** –Water passes through this filter to remove odor, taste, and chemicals such as chlorine, synthetic detergents, insecticides, and other harmful chemicals.
- (5) **MULTI-MEDIA SOFTENER FILTER** - This converts hard water into Soft Water and condition the water.
- (6) **PRE-RO FILTERS, 10, 5 & 1 MICRON** - Sediment filters removes solid particles down 1 micron
- (7) **RO MODULE** – The heart of the system. Makes use of a semi-permeable membrane to separate and remove dissolved solids, organics, pyroxenes, submicron colloidal matter, viruses and bacteria from water.
- (8) **PURE WATER TANK** – RO Water will be collected and stored in the 1000 Li capacity tank.
- (9) **DISTRIBUTION PUMP** – depressurized the water to push it across post filters and UV chamber.
- (10) **POLISHING CARBON FILTER** – Enhances the taste and texture of the water
- (11) **POST PP FILTER** – Removes sediments and fines from tanks and post carbon filters
- (12) **UV WATER STERILIZER** - UV light eliminates bacteria and viruses and ensure the quality of water.
- (13) **FILLING FAUCET** – Pure water is dispense here