CASE STUDY INDIA

CLEAN DRINKING WATER FOR ACADEMIES

Client

Aqua Infinitum GmbH, Authorised Trunz Water Systems Representative for India, developed a major initiative to work with the Kalgidhar Society to implement water purification systems in 120 Akal Academies. Phase one of the program was undertaken in partnership with Punjab & Sind Bank, which provided CSR capital funding to the project.

Location

Akal Academies in five States of Northern India - Uttar Pradesh, Haryana, Rajasthan, Himachal Pradesh and Punjab.

Introduction

The objective of the installation was to provide the students, faculty and visitors to all Akal Academies with a safe, dependable source of purified drinking water. Four academies were supplied with a Trunz TWM 001 water system in phase 1 of the pgrogram. The ultrafiltration membrane removes all virus and bacteria without requiring toxic chemical treatment. Synergy Solar, Aqua Infinitum's regional implementation and Channel partner provided onsite installation for the initial units and at the same time conducted a training program for the Kalgidhar Society professors and students covering the installation of the Trunz equipment, maintenance and operation of the Trunz TWM 001 units. This structure keeps the costs for The Khaldighar Society to a minimum and simultaneously created an exceptional educational experience, introducing professors and students to the Trunz water purification technology.

On-site condition

Access to location	School hours - some boarding
ø amount of people served	Between 150 - 1560 people depending upon the academy size
Water source	Bore well or surface water
Potential contamination in raw water	Biological
ø distance from source water to unit	Varies according to the academy
ø air temperature	Summer high 50° C Winter low 0° C
Site preparation work	Water station will be installed in central location. Unit will be wall mounted. Discharge delivered to drains through pipes

Technical layout

1 Municipal water supply or raw water
2 Trunz Wall Mounted 001
3 Solar powered or any other power source
4 Product water storage tank
5 UV disinfection
6 Water pipes