

COURSE CONTENTS ON TECHNICAL/PRACTICAL TRAINING ON WATER TREATMENT/PLANT DESIGN

<u>COURSE</u>	Introduction to water treatment procedures: Sampling, Physicochemical/Microbiological Analysis, and Treatment prescriptions (chemical and/or physical)	Simple Units/stages in water treatment: Aeration, Separation/Filtration, Flocculation/Coagulation, Disinfection, Micro/media Filtration, Storage, etc	Water Treatment Chemicals/ Materials: Disinfectants, Coagulants, Flocculants, P ^H adjusters, Softeners, Anti-scalants, Adsorbents, Clarifiers, etc	Water Treatment Equipment: Filters, Treatment Media, Columns, Aerators, Pumps, Tanks, Composite filter media materials, De-ionizers, Ultraviolet Sterilizers, RO, UF, etc	Practical Water treatment Chemical applications, dosages and allowable limits (WHO/NIS), MSDS and SHOC	Simple Water treatment plant Design and units' arrangement. Practical Water Disinfection and other treatments for portable/drinking water to meet WHO/NIS standards. SOP preparation and WTP maintenance	Management skills and financials, writing of proposals and business plans, and establishing the business.	Course Reviews & discussions, assessment, presentation of certificates, Release of online and post-mentoring services details.
Water Treatment (Borehole Treatment, Plant design and installation)								