

PILOT PLANT TO PROVIDE POTABLE DRINKING WATER IN SALINE AREA OF SUNDARBAN THROUGH SOLAR BASED ULTRA FILTRATION



AN INITIATIVE BY
PUBLIC HEALTH ENGINEERING DEPARTMENT
GOVERNMENT OF WEST BENGAL

PLANT DETAILS



Step 1st **INLET TANKS**
2 Nos (Connected in series)
(Removes initial turbid load of raw water)



Step 2nd **PRE FILTERS**
(Sand filter, Multi Filter and Activated carbon Filter)



Step 3rd **TREATED WATER TANK**
(Upper Tank)
INPUT WATER TANK UF
(Lower Tank)



Step 4th **ULTRA FILTRATION**



Step 5th **SOLAR PANELS**
(Supply Power to the Unit)



Step 6th **UV SYSTEM**
(For disinfection)



Step 7th **SMART CARD BASED WATER DISPENSING SYSTEM**
(Optional)



Step 8th **COLLECTION OF DRINKING WATER**

