

Off Grid Shower – Patent Application

Dwellers of Streets, Slums, Tents and poor Housings are Deprived of Private Shower and or Sink.

Current camp showers, a water bag with a foot pump or hung from a tree, fail in at least following criteria :

- a- Their semi spherical water bags have low exposure to sun, flame, room or body, per volume,
- b- They use a pump to push water up, requiring awkward repeated pumping, or undesirable larger volume, as their proposed option of hanging from a tree or ceiling is often impractical,
- c- They splash waste water, not usable indoor, in public places or close to neighbors,
- d- They dispose waste water on the ground, not usable indoors,
- e- They use a Tent for privacy, too large for a backpack and indoor erection, stolen and unsafe if outside,
- f- Their Solid & Bulky flow controls and shower heads, are awkward to fit in small packs,
- g- They or their private tents have No Auxiliary Utility to entice use of scarce space and funds,
- h- Their basic versions are cheap, but privacy and other essentials are costly or unavailable.

Novel techniques introduced here Resolve or Avoid all above issues and enable making and or using:

- Off Grid, Showers and Sinks without Plumbing, Pipes or Power to Heat, Pump, Collect & Dispose waste,
- Water Sacks, Showers, Privacy, Waste Collection & Disposal and other Gear which are Portable, Light, Flexible, Shrinkable, Small to fit, all Combined, in a corner of a backpack, with Minute Footprint in use,
- Soft, tiny, flexible and cheap versions of typically hard, bulky, costly flow controls and other components,
- Showers optimized to keep & use at work or for sports, hiking, nature excursions, etc.
- Showers designed for field workers, soldiers, truckers, gypsies, nomads, cowboys and others,
- Waterless body cleansing, powders applied to skin or scalp to absorb oil & dirt, shaken off when dried,
- Extra Utilities such as Water storage, body warming & cooling, pad,, seat, mattress, pillow and more,
- Hide out for off toilet discharge plus protection from rain and wind, dire needs in some countries,
- Alternatives to existing solutions, methods and products to deliver a number of desired results,
- All with Ultra Cheap Versions, affordable by the cash strapped and or charities.