

Dry-San Hygienic Rural Toilet (dry sanitation system)

With the enormous need for dry sanitation solutions, (sanitation is seen as one of the biggest problems faced by the developing world), The Dry-San system is a step forward in mitigating the problems of rural sanitation in India, particularly for the vulnerable sections, like women, school going girls and children.

The Hygienic dry sanitation system consists of squat type toilet pan with three exclusive ports for solids, urine and washing water and arrangement of pits below it for collection.

The design is based on the premise that there is dearth of water, so flush type of toilet cannot be part of the solution. Another important design factor is to convert the waste material, which otherwise pollutes the land and water bodies, into a resource (fertiliser from urine and manure from solid waste) for the farmer by non-chemical, natural aerobic decomposition process, facilitated by design configuration. The Dry-San Toilet system can be directly taken for manufacture and deployment. The Design Manual & Guidelines are ready for distribution to NGOs and /or self-help groups, who would like to build and install the units in their respective areas of operation.

The primary goal is to design **hygienic dry sanitation system** (which avoids direct discharge of excreta into the nearby water bodies or on to the open lands). To come up with a sanitation solution catering specifically to the needs of **rural India** with **water shortages** which is **cost effective, manageable, modular**, (i.e. portability, flexibility, ease of manufacturing, deployment and maintenance) and **sustainable** (derive economic benefit by making fertilizer for their fields)



- **Stainless Steel** Squat type **toilet pan with three exclusive ports** for solids, urine and washing water
- **SS pan is durable, unbreakable** and can last more than **20 years – long useful life**
- **SS resists chemicals** and removes accumulated dirt easily. Can be **scrubbed** if required.
- **Unique heel support** aids in getting up from squat position, **especially for elderly**



Waterless – No flush system
No chemicals, enzymes – **No external additives**
Aids & accelerates **natural process of decomposition**
Women friendly – help in disposing sanitation pads
Elderly friendly
Utilisation of **waste as fertiliser**
Bring science to empirical level
– easy understanding
(No mystery)

