

Annexure: 01

The Problem statements are

1. Behaviour Change

Behaviour change is fundamental to the Swachhata. Several inter-personal techniques through community approaches to sanitation are being used across the country to trigger behaviour change. But old habits die hard and behaviour change takes time. Some people continue to defecate in the open even after having a household toilet.

Therefore innovative solutions to trigger and motivate people to stop open defecation and use toilets, at scale is invited.

The solutions should be:

- Scalable
- Non coercive
- Socially acceptable
- Yield instant or immediate shift in behaviours

Courtesy : mygov.in

2. Toilet technology

There is a need to promote affordable, sustainable and environmentally friendly toilet technologies across the nation. However, in certain parts of the country, these available technologies have not been successful in being robust and cost-effective. This is especially true for areas which are flood-prone, areas which have a hard rock surface, and areas which are remote and poorly connected with transportation infrastructure.

The solutions for innovative toilet technologies from the participants is invited for the following areas:

1. Remote and poorly connected areas or/and
2. Hard rock areas or/and
3. Flood Prone areas

It is expected that the technology is cost-effective, sustainable, reliable and durable, user-friendly, weather proof, environmental-friendly, and preferably uses locally available material (locally implies the area to which the technology is built for).

Courtesy : mygov.in

3. Technological solutions for safe disposal of menstrual waste

With increase in education and awareness levels around Menstrual Health and Hygiene, more and more women and adolescent girls in the country are switching to safe sanitary options to manage their menstrual cycles. However, there is still no formal waste management system of sanitary waste. Often these are disposed off in fields, water bodies, flushed in toilets or dumped along with the regular solid waste.

We are looking for technological solutions to manage and to dispose off sanitary waste. The solution should be:

- Safe for the environment, and not cause any air, water or soil pollution
- Cost-effective
- Scalable across villages and institutions such as schools, colleges, etc.

Courtesy : mygov.in

TERMS AND CONDITIONS TO UPLOAD THE SOLUTIONS

- ▶ Last date to receive the solutions from the participants will be 15th Sep 2017
- ▶ The competition will be a team event of 3-4 members per team
- ▶ Each team will upload the solutions on IISF 2017 website
- ▶ Format for submission – word (doc/docx)
- ▶ Components of the solution –
 - Indian Perspective
 - Objective
 - Design of the study and its feasibility
 - Suggestions
- ▶ Declaration of result on the website by 25th Sep 2017

*Keep visiting our website regularly : www.scienceindiafest.org

Fifty teams will be short listed in first round and they will be called at IISF 2017 to present their work. Travel Allowance, lodging and boarding for the selected team will be barred by II