

DESIGN COMPETITION

Portable Zero Waste Public Toilet Design



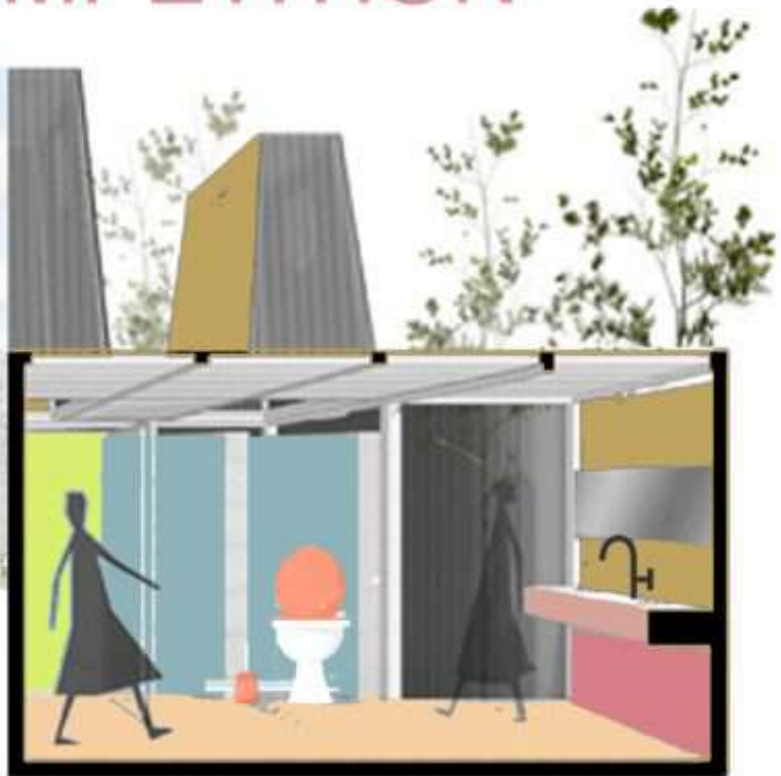
image credits: kontekst.org

PRIZE MONEY

FIRST PRIZE - ₹5000

SECOND PRIZE - ₹3000

THIRD PRIZE - ₹2000



Eligibility

Open for all students of architecture colleges across India (S3 to S10).
The team limit for this competition is 4 members maximum per team.

Submission

Single A1 sheet, Deadline 12.12.2021

Link for Registration

<https://forms.gle/5R4UdfGeL7bjvFmM7>



World Toilet Day
November 19





UNAI –SSA

Portable-zero waste Public Toilet design Competition.

NOV 19: World Toilet Day.

Propose a design for a portable toilet with 3 stalls for simultaneous occupancy that can be easily used by any type of user (different genders differently-abled). It is necessary to anticipate the additional needs of specific residents. On-site resources such as daylight and passive ventilation techniques can be employed to improve the stall's design quality. Another aspect that participants should consider is maintenance and upkeep.

CONCEPT

Portable toilets are often used at outdoor events, in rural tourist destinations, slum regions, disaster hit areas etc where access to sanitary city public toilets is limited.

Portable toilets are self-contained and can fit one person anthropometrically. They are practical, but due to mobility restrictions, their design scale is limited, which may make the user feel claustrophobic and uncomfortable. How can the design of public toilets be improved?

BRIEF

Public restrooms are frequently regarded as utilitarian structures that are neither attractive nor sanitary. The public toilet's image can be improved by increasing its efficiency and comfort.

The goal of the project is to learn how thoughtful contributions can improve the design of even the most functional space unit. The most significant feature is the portability or mobility of this toilet cubicle. The amount of work required for transportation, as well as the technical information, should be mentioned in the proposal.

ELIGIBILITY

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- The team limit for this competition is 4 members maximum per team

Submission Guidelines: Single A1 sheet.

Registration Link <https://forms.gle/mzozQ2kze6Gdub1b8>

Entries should be submitted in the Google classroom assigned for the competition.

Google Classroom link to join:

<https://classroom.google.com/c/NDM2NTQzNDA5MTg1?cjc=rut6buf>

Source : CPHEEO ADVISORY ON PUBLIC AND COMMUNITY TOILETS

TABLE 2.5: SIZE OF TOILET CUBICLE, BATHROOM, URINAL & WASHING AREA (Source: Guidelines on Community Toilets, GoI, 1995)

Description	Optimum (mm)	Minimum* (mm)
Toilet cubicles	900 x 1200	750 x 900
Bath rooms	1050 x 1200	900 x 1050
Urinals (divided into units by partition walls)	575 x 675	500 x 600
Washing area	1750 x 1500	1200 x 1500

*Note: *In case of space constraint the minimum sizes may be adopted. However, it has been observed that the minimum dimensions, which are found acceptable for individual household toilet units, are sometimes not being accepted for community toilet cubicles, because while a user is willing to bear the discomfort in his own premises in exchange of other conveniences, he or she is not willing to use a confined space in a community toilet due to odour and hygiene issues and thus is susceptible to reverting to defecating in the open.*

Other factors need to be addressed.

Accessibility

Gender specific design parameters

Services –electrical, lighting, water supply & sanitation.

Materials and specification

Operation and maintenance

Waste management-concept of zero waste

Source : CPHEEO ADVISORY ON PUBLIC AND COMMUNITY TOILETS

