











COLLECTION OF FAECES

- removable bucket inside toilet
- ash/ saw dust base layer in bucket
- paper inlay (preferred undyed paper)
- ash/ sawdust to cover faeces
- collector empties bucket into transport container, user gets back the same bucket or bucket is replaced with new one (to be determined, test required)

NO BIODEGRADABLE PLASTIC BAG

- no industry in Bangladesh
- import leads to dependence
- even high quality plastic leaves residues after composting
- only feasible in mass production
- add- on of bag in future possible







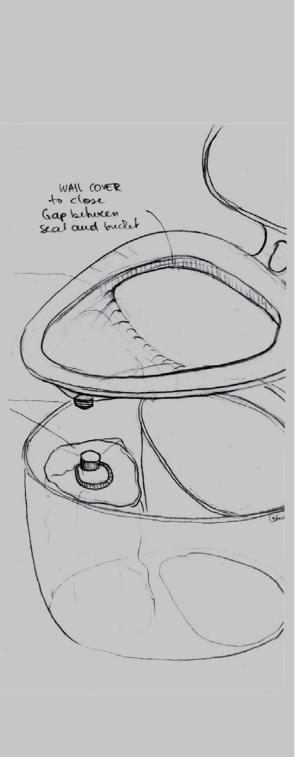






RESULTS 4 DAY PROTOTYPE TEST

- very positive
- children liked sitting
- women drunk more water
- more frequent toilet visits
- more privacy
- no going-outs at night for women
- use of toilet inside and outside house
- storage inside house
- no/little smell
- acceptance of anal washing over separate bowl
- willingness to work as collector
- one women had problems to lift sari for sitting
- urine funnel was too shallow for men
- small child needed help to climb on



CONCEPT MOBILE TOILET

- sitting toilet for private household
- separation dry toilet
- two removable inner containers
- strap for carrying
- two handles
- covering faeces with ash
- paper inlay for faeces bucket
- anal washing separate
- use for 24 h
- manual collection house by house

The following pages show a computer rendering of the current draft (November 2011). Material decisions are made on base of feasibility for coming tests with approximately 50 families.

After testing the toilet, the design and the sanitation system will be updated and specified.

closed toilet pot with carrying strap made from recycled cement bags



ergonomic and soft shapes





position of collection containers



seat with funnel shape fixes position of inner containers







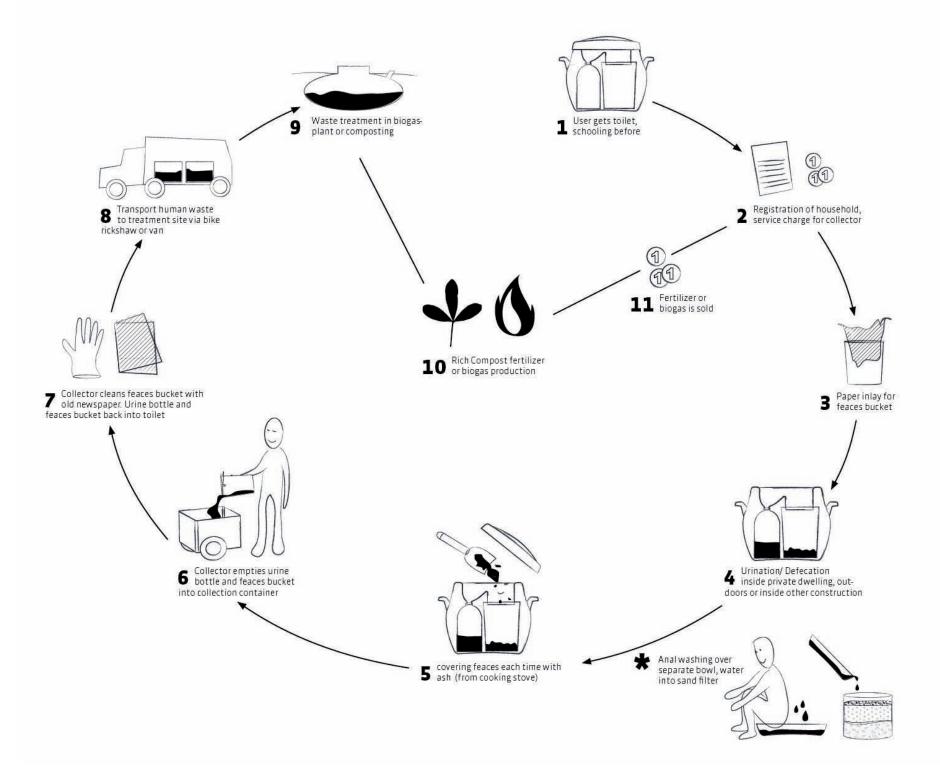




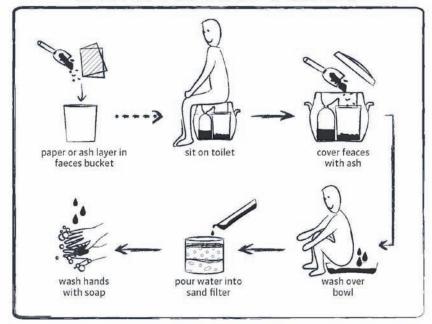




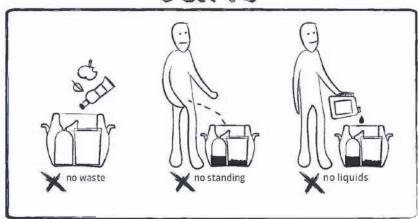




use a mobile toilet



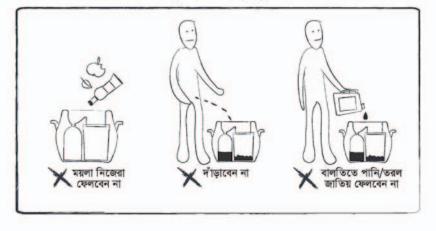
DON'TS



ভ্রাম্যমান টয়লেটের ব্যবহার বিধি



যা করবেন না



PDF by Mona Mijthab, November 2011 All Photographs and illustrations by Mona Mijthab, except photos on pages 18-26 and 38 by Ashley Wheaton

web sources

1 http://data.worldbank.org/country/bangladesh?display=graph (03.11.2011, 12:09)

2 http://data.worldbank.org/indicator/SP.URB.TOTL.IN.ZS (03.11.2011, 12:45)

3 http://data.worldbank.org/country/bangladesh?display=graph (03.11.2011, 14:00)

4 Wikipedia: Floods in Bangladesh: http://en.wikipedia.org/wiki/Floods_in_Bangladesh (03.11.2011, 13:00)

5 Wikipedia: Bangladesh: http://en.wikipedia.org/wiki/Bangladesh (03.11.2011, 13:25) 6 http://www.unicef.org/infobycountry/bangladesh_bangladesh_statistics.html (03.11.2011, 14:15)