EMERGENCY SANITATION WORKSHOP DELFT – 13-15 15-16 SEPTEMBER 2011

CHALLENGES OF WASTE WATER DISPOSAL

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Senior WASH officer

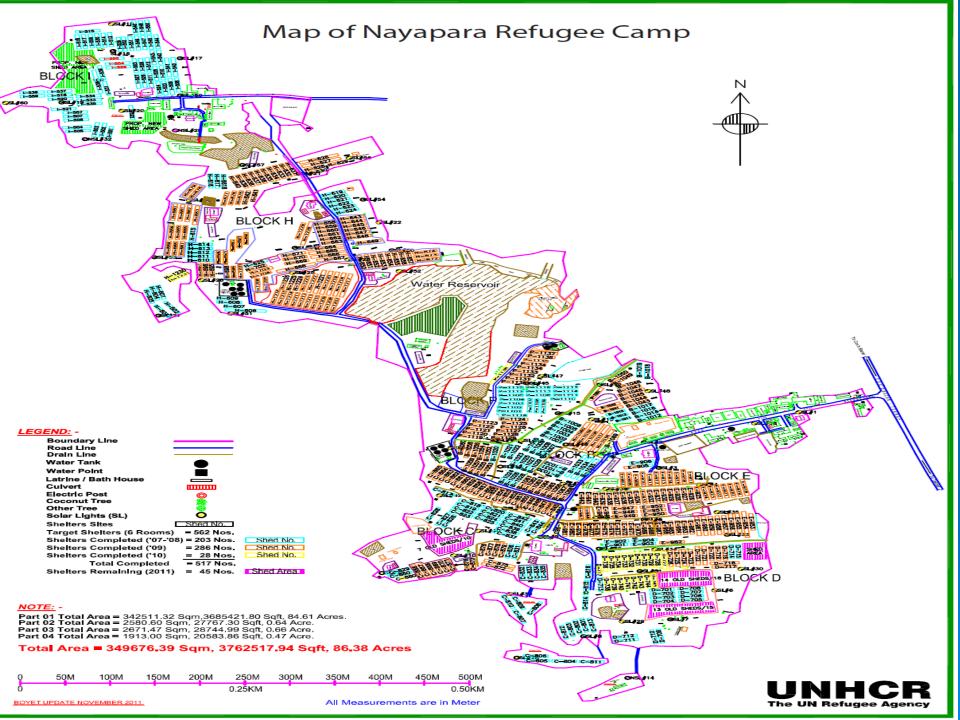


BANGLADESH

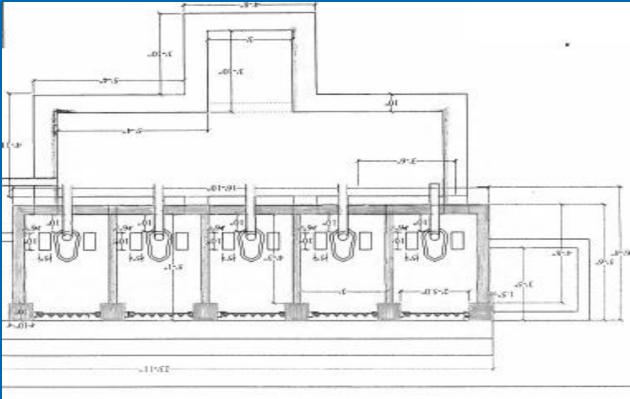


BANGLADESH

- 29,000 refugees from Myanmar (Rohingya) divided in 2 of camps since mid-1990's
- 635 stands (Kutapalong) + 842 stands (Nyapara)
- Daily production of faecal sludge around 29 m3/day
- Average density is 490 person / hectare
- Terrain is hilly with heavy precipitation during the rainy season
- No possibilities to expand/extend the camps (mosoon)









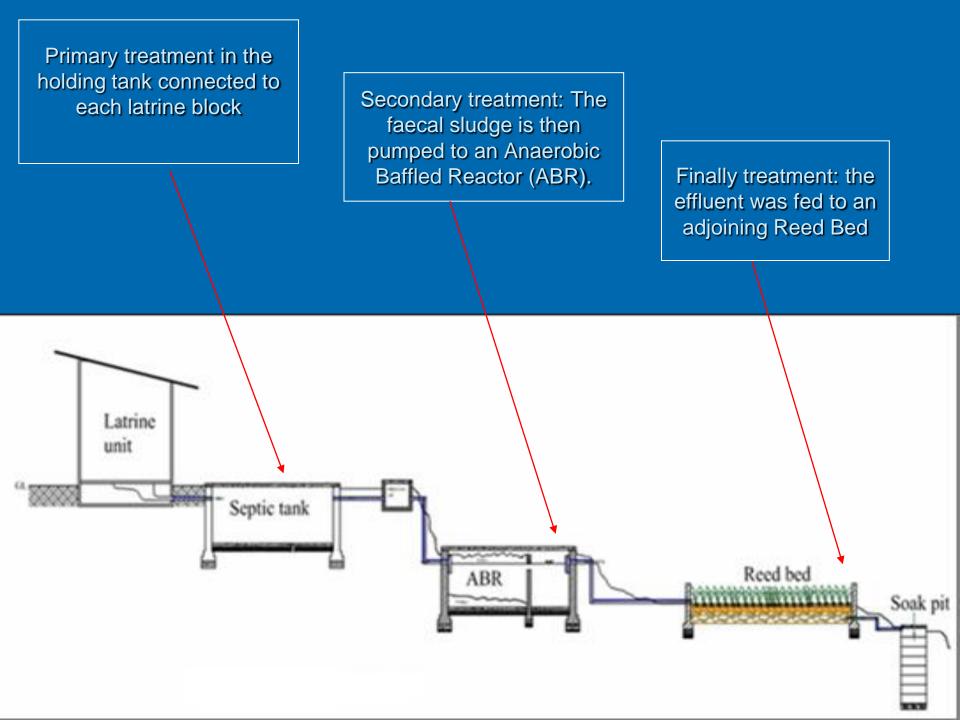












DESIGN CRITERIA

- Low operation and maintenance cost
- Low tech (when possible no pump)
- > In the example of Bangladesh low footprint
- Meeting standard of the country
- However wastwater treatment is in an exception!