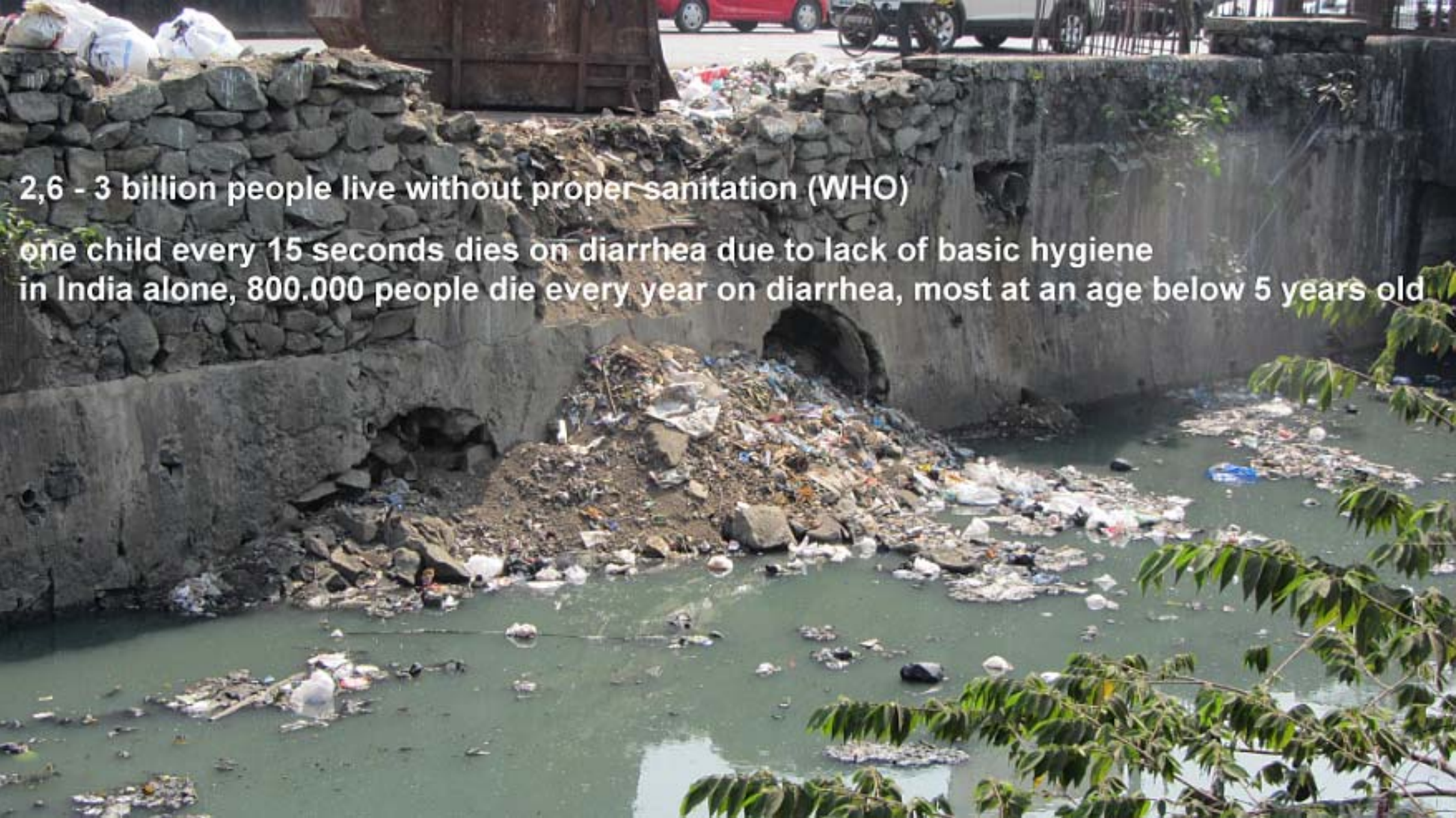




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# **the politics of sanitation**

**an important aspect of social responsive architecture  
to improve people's life and protect the environment**



2,6 - 3 billion people live without proper sanitation (WHO)

one child every 15 seconds dies on diarrhea due to lack of basic hygiene in India alone, 800.000 people die every year on diarrhea, most at an age below 5 years old



**this is a toilet in Dharavi / Mumbai - 1 mio people on 2,5 km<sup>2</sup> - 1 toilet per 1200 people  
it is dark, badly ventilated, has a too small water tank - so not enough water for cleaning  
no electricity, so no use after dark - a place for garbage disposal and stray dogs**





**the average house in Dharavi is 10 m<sup>2</sup> - for an average family of 5 persons**

**there is no space for in-house toilets**

**self organized communal toilets close to the dwelling is the only working solution and sustainable alternative to open defecation**

**‘architects are not able to design a toilet’**

**dr. jockim arputham of indian slum dwellers organisation  
and UN responsible for sanitation in informal settlements  
to master students of umeå school of architecture**



it is the slum dwellers who decide where they have their toilet, how it is built, what is needed to make it working for a long time

technocratic design did not meet their needs and therefore did not work

architects need to listen and use their creativity based on facts they learn from the slum dwellers

like here, toilets are close to other social meeting spots



**caretaker's flat on top of toilet is a guarantee that he cleans it and keeps away bad odours**







बृहन्मुंबई महानगरपालिका  
Municipal Corporation of Greater Mumbai

वस्ती स्वच्छता कार्यक्रम  
Slum Sanitation Programme (SSP)

मुंबई मलनिःसारण प्रकल्प  
Mumbai Sewage Disposal Project (MSDP)

सार्वजनिक शौचालय व्यवस्थापन Public toilet Management	एकविरा मित्र मंडळ रजि. क्र. एक-२७५१३(मुं) दि. १४/०३/०५ Ekveera Mitra Mandal Regd. No. F-27513(Mumbai) dt. 14/3/05
शौचालयातील एकूण कूपे Total Toilet Seats	४० (२० महिला, २० पुरुष) 40 (20 Gents, 20 Ladies)
एकूण मासिक पासधारक कुटूंबांची संख्या Total no. of Monthly Family Pass Holders	२२६ कुटूंबे 226 Families
शौचकूपांचा वापर करणाऱ्या लोकांची संख्या Total Population of toilet Users	पुरुष : ४६५ महिला : ४५३ लहान मुले : ४३२ Gents : 465 Ladies : 453 Childrens : 432
मासिक शुल्क Monthly Service Charges	रु. २०/- प्रति कुटूंब, प्रति माह Rs. 20/- per Family, per month.
काही तक्रार किंवा सुचना असल्यास संपर्क If any complaint/queries Contact	एकविरा मित्र मंडळ (सी.बी.ओ.), म.न.पा. मुंबई दिलीप म. गाडेकर - ९८९२१४४०६५ Ekveera Mitra Mandal (C.B.O.), MCGM, Mumbai. Dilip M. Gadekar - 9892144065



माहिला



















**we send people to space ships, but we have not solved primary needs for half the population of this planet**

**let's build toilets, to save people and the environment !**