SDG’S – Water and Sanitation- India

Zenrainman
Biome Environmental Trust
Swacch Bharat- Gramin – the rural sanitation goal

• Launched by Prime Minister Narendra Modi on 2\textsuperscript{nd} Oct 2014
• ODF Free India by October 2\textsuperscript{nd} 2019
• 110 million toilets to be built in rural India
• 10.40 million toilets in urban India
• 20 million toilets built in the last two years from Aug 15 2014 to 2016
• Around 597 million Indians had no access to toilets as per census 2011
• Only 32.40 \% rural households had access to toilets
School Sanitation - India

• All government schools now covered with toilets
• Separate toilets for girls and boys
• Around 56,928 toilets built
• Around 107,695 toilets in creches (anganwadis)
• Around 1,14,325 community sanitary complexes.
Technology choice

• The twin pit pour flush toilet is the technology choice for rural household toilet construction

• In many states a single pit is however being built

• A subsidy of Rs. 12,000 is available from the Central/State Government for the construction of a rural toilet

• Some states have enhanced it to Rs 15,000 /- for some communities e.g. Karnataka State
<table>
<thead>
<tr>
<th>Soil type</th>
<th>5 Users</th>
<th>10 Users</th>
<th>15 Users</th>
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<tbody>
<tr>
<td></td>
<td>Pit Dia in mm</td>
<td>Pit Dept in mm</td>
<td>Pit Dia in mm</td>
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<tr>
<td>Dry circular leach pit</td>
<td>900</td>
<td>650</td>
<td>1000</td>
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<tr>
<td>Wet circular leach pit</td>
<td>900</td>
<td>1250</td>
<td>1200</td>
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2 year de-sludging interval or solid storage volume

Source: Ministry of Urban Development of India, Technical guidelines for Twin pit pour flush latrines
Positive factors

• Sanitation goals were not achieved in the MDG’s by India
• The sanitation goals is for universal access by Oct 2nd 2019 and has the Prime Ministers strong backing for a Clean India
• Sanitation has the best of officers with regular online monitoring system in place
• Special teams have been created as a rapid learning/response which regularly visits as a third party certification process
• A massive advertising/communication campaign is on with a large budget
• Corporate Social Responsibility funds are coming in at large scale
Challenges

- The current budgetary provisions may not be enough to achieve targets by 2019
- The delivery of subsidy to the household has bureaucratic delays
- Usage, as opposed to construction, shows a figure closer to 50%
- Drought and subsequent water shortage seems to have played a role in non-usage of toilets in many villages. Drought affected 360 million Indians this year.
- Getting to twin pits from single pits, emptying of pits and safe management of pit sludge manure remains to be addressed.
- Alternatives for flood prone areas, hard rock terrain and water short areas not yet being ramped up.
• The role of the informal sector not recognized or included
• The elimination of manual scavenging – or when is shit, shit and not manure?