Scaling up Group Handwashing in Schools

Compendium of group washing facilities across the globe

Contributing countries:
- Nigeria
- Philippines
- India
- Cambodia
- Tanzania
- Lao PDR
- Zambia
- Fiji
- Indonesia
- Afghanistan
- Liberia
- Mali
Scaling up Group Handwashing in Schools

COMPENDIUM OF GROUP WASHING FACILITIES ACROSS THE GLOBE

Key characteristics of the Three Star Approach

One Star School
- Daily routines to promote handwashing habits
  - Daily supervised group handwashing with soap, normally before the school meal

Two Star School
- Incremental improvements
  - Hygiene education and facilities to promote handwashing with soap after toilet use
  - Improved sanitation facilities, plus facilities and education for menstrual hygiene management
  - Low-cost point-of-use water treatment introduced in schools

Three Star School
- Meeting national standards
  - School facilities and systems upgraded to meet national standards

Scaling up Group Handwashing in Schools

COMPENDIUM OF GROUP WASHING FACILITIES ACROSS THE GLOBE

giz

UNICEF

Key characteristics of the Three Star Approach

One Star School
- Daily routines to promote handwashing habits
  - Daily supervised group handwashing with soap, normally before the school meal

Two Star School
- Incremental improvements
  - Hygiene education and facilities to promote handwashing with soap after toilet use
  - Improved sanitation facilities, plus facilities and education for menstrual hygiene management
  - Low-cost point-of-use water treatment introduced in schools

Three Star School
- Meeting national standards
  - School facilities and systems upgraded to meet national standards
FACTS & FIGURES

**DESIGN STRUCTURE**
- Age of students: 0 - 12 years
- Water source: Piped
- Water outlets: 38 outlets
- Students who can use the facility at the same time: 38 students
- Overall water consumption per handwashing station for one group handwashing activity: 8 litres

**CONSTRUCTION, OPERATION & MAINTENANCE**

<table>
<thead>
<tr>
<th>EASY</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>L</th>
<th>DIFFICULTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Installation</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Operation/use</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maintenance - occasional repairs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maintenance - daily cleaning &amp; refilling of water</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**USABILITY ASPECTS**
- Usable from both sides
- Individual handwashing
- Usable by differently-abled children

**COMMUNITY INVOLVEMENT**
- Construction: Skilled labour
- Installation: Skilled labour
- Enhancement/beautification: Painting can be done by the community
- Daily cleaning: Students
- Refilling of water: Not applicable
- Regular facility maintenance: Teachers and school Support Committee

**BILL OF QUANTITY**

<table>
<thead>
<tr>
<th>ITEMS</th>
<th>UNIT</th>
<th>QUANTITY PER FACILITY</th>
<th>COST PER UNIT</th>
<th>TOTAL COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>PVC pipe</td>
<td>pcs</td>
<td>1</td>
<td>24.00 USD</td>
<td>24.00 USD</td>
</tr>
<tr>
<td>Steel</td>
<td>kg</td>
<td>10</td>
<td>0.00 USD</td>
<td>0.00 USD</td>
</tr>
<tr>
<td>Bricks</td>
<td>pcs</td>
<td>442</td>
<td>0.00 USD</td>
<td>13.20 USD</td>
</tr>
<tr>
<td>Cement</td>
<td>t</td>
<td>0.26</td>
<td>90.00 USD</td>
<td>23.40 USD</td>
</tr>
<tr>
<td>Sand</td>
<td>m³</td>
<td>1.86</td>
<td>10.00 USD</td>
<td>18.60 USD</td>
</tr>
<tr>
<td>Foundation</td>
<td>lump-sum</td>
<td>1</td>
<td>182.00 USD</td>
<td>182.00 USD</td>
</tr>
</tbody>
</table>

**ADVANTAGES:**
- Durable
- Accommodates large group while only using limited amount of water.

**LIMITATIONS:**
- PVC connection to the concrete wall is vulnerable
- No option for individual handwashing
- Not usable for children with physical disabilities
- Requires skilled labour for construction.

**RECOMMENDATIONS:**
- Make individual handwashing possible.

**EXPENSES**
- Average material cost: 120.00 USD
- Average labour cost: 81.30 USD
Compendium soon available online at

www.yammer.com/washinschoolsnetwork
www.fitforschool.international
www.susana.org/en/

For more information:

Laure Anquez  
WASH Specialist  
UNICEF New York  
iamongin@unicef.org

Irene Amongin  
WASH Specialist  
UNICEF New York  
iamongin@unicef.org

Brooke Yamakoshi  
WASH Specialist  
UNICEF New York  
byamakoshi@unicef.org

© United Nations Children’s Fund  
August 2016