INTRODUCTION

The violence in Myanmar’s Rakhine State which began on 25 August 2017 has caused a massive influx of civilians fleeing to neighbouring Cox’s Bazar Region of Bangladesh. The initial response focused on emergency WASH facilities including latrines. After the initial response phase, the need for a deeper understanding of the functionality status of the latrines emerged. This report presents results from the assessment carried out by IOM WASH section for latrine facilities existing within 5 zones (Balukhali MS, Kutupalong MS, Zone BB, Zone LL, Zone SS) in Kutupalong & Balukhali makeshifts and spontaneous settlements in Ukhia Upazila of Cox’s Bazar District.

IOM is the zone focal point (directly or by means of implementing partners) for the above-mentioned zones and conducted this assessment between 11th to 15th December 2017. The purpose of this assessment was to understand the current condition, requirement of decommissioning and desludging as well as to identify gaps to be covered in future.

METHODOLOGY

Following is a brief overview of the methodology used:

Assessment:
- Designed on Kobo Platform¹ and conducted through smartphones/tablets;
- 15 enumerators from IOM and its partners were trained and conducted direct assessment in the field;
- The assessment targeted full coverage of facilities existing within the zone.

Analysis:
- Spatial and photo analysis used for data verification;
- REACH assessment data (Oct-Nov 2017) used to compare and ensure the consistency of data collected, as presented in the table below:

<table>
<thead>
<tr>
<th>Site Name</th>
<th>Latrine Assessed from IOM</th>
<th>Latrine Assessed from REACH</th>
<th>% Latrines Achieved*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Balukhali MS</td>
<td>563</td>
<td>615</td>
<td>92%</td>
</tr>
<tr>
<td>Kutupalong MS</td>
<td>1121</td>
<td>1340</td>
<td>84%</td>
</tr>
<tr>
<td>Zone BB</td>
<td>1179</td>
<td>1275</td>
<td>92%</td>
</tr>
<tr>
<td>Zone LL</td>
<td>239</td>
<td>286</td>
<td>84%</td>
</tr>
<tr>
<td>Zone SS</td>
<td>752</td>
<td>354</td>
<td>212%</td>
</tr>
<tr>
<td>Grand Total</td>
<td>3854</td>
<td>3870</td>
<td></td>
</tr>
</tbody>
</table>

*Note: Latrine decommissioning and new construction are the identified reasons for difference in respective zones

¹ https://www.humanitarianresponse.info/en/applications/kobotoolbox
To carry out analysis latrines were categorized into four types based on the design and size of pit: 1) emergency latrine with pit less than 5 feet deep, 2) emergency latrine with pit of 5 feet deep or more, 3) Semi-permanent (block of latrines) and 4) Semi-permanent twin pit latrine.

To analyze pit status, latrines were categorized in two: 1) pit full, 2) pit not full and observed in the field to check the condition.

Two main categories of actions were analyzed as required according to below criteria:

i. **Decommissioning**: Latrines with pit less than 5 feet deep, regardless of their functional status (in use or not) were categorized as the ones to be decommissioned (immediately if full or as soon as they become full), in accordance to WASH Sector strategy for 2018 response;

ii. **Desludging**: Latrines that were full without considering the ones to be decommissioned.

The analysis has also covered the aspect of latrine with broken superstructure.

**RESULTS & DISCUSSION**

**Type of Latrines:**

Following graphs present an overview of the latrine types assessed in the field:

![Graph of latrine types combined for all areas](image)

**TYPE OF LATRINE – COMBINED FOR ALL AREAS**

- Twin pit: 3%
- Pit-less than 5 feet: 38%
- Pit-5 feet deep or more: 23%
- Semi-Permanent (block): 36%

![Graph of latrine types settlement and zone wise](image)

**TYPE OF LATRINE – SETTLEMENT AND ZONE WISE**

- **Balukhali MS**
  - Twin pit: 1%
  - Semi-Permanent (block): 37%
  - Pit-less than 5 feet: 59%
  - Pit-5 feet deep or more: 3%

- **Kutupalong MS**
  - Twin pit: 4%
  - Pit-less than 5 feet: 25%
  - Pit-5 feet deep or more: 4%
  - Semi-Permanent (block): 67%
Latrine pit status (full or not):

Following graphs represent the summary of latrine pit status:

- **In 4 zones** the percentage of full latrines is between 5 and 11%, while for Zone BB this percentage goes up to 42%;
- Majority of full latrines are the type with pit less than 5 feet deep (67% of the total of the “pit full” latrines falls under this category).
Latrine requiring action:

Following graphs represent the main required actions:

- Regarding the latrines to be decommissioned, it is to note that 66% of latrines from this category (974 out of 1483 units) were ‘in use/functional’ at the time of assessment and the rest 34% were non-functional (pit full or structure broken or both): these 509 facilities should be immediately decommissioned.
- The analyses showed that latrines with broken superstructure weren’t significant in general and majority of the broken latrine falls under the category for decommissioning, for so reparation wasn’t analyzed as a separate action.
CONCLUSIONS

Considering the results obtained, the following are the main conclusions:

- **38%** of latrines to be decommissioned (34% of them immediately and 66% once they'll become full) is identified as the high priority task to undertake, action for which should be taken carefully as it can cause significant gap (specially in Balukhali MS, Zone BB & LL) and also considering the fact that majority of these latrines are currently in use.

- Specific focus for desludging should be given in Zone BB, where the quantity of “full pit” latrines is **42%**, significantly higher compared to other areas. Reason for that could earlier construction of the latrines.

- Zone wise need/gap analysis should be produced, combining the quantity of latrines currently in use and those that will be will be desludged and excluding the quantity to be decommissioned.

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ANNEX

Map of Latrines assessed

Source: Kobo online platform