REVIVING SANITATION CAMPAIGN

GLOBAL SANITATION FUND LESSONS

UN-HABITAT
FOR A BETTER URBAN FUTURE

WSSCC
WATER SUPPLY & SANITATION COLLABORATIVE COUNCIL
REVIVING SANITATION CAMPAIGN

GLOBAL SANITATION FUND  LESSONS

Reviving Sanitation  Campaign after 25th April 2015 Earthquake: Global Sanitation Fund
Lessons

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Anuj Dhoj Adhikary
GSF initial Strategies immediately after EQ to restore the sanitation status

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Foreword

One year had passed since the devastating April 2015 earthquake but thousands of people are still struggling to resettle in terms of fear, trauma, water and sanitation, shelter, economy, dreaming towards normal life. 2015 has been very difficult for Nepal coping with destructions of earthquake and making efforts for reaching the affected and planning for reconstruction and recovery. Keeping aside the damages of other sectors and talking only about the damages in WASH sector due to earthquake, the damage recorded is alarming. Out of a total 11,288 water supply systems in the 14 most affected districts only 1,570 sustained major damages, 3,663 were partially damaged and approximately 220,000 toilets were partially or totally destroyed.

The Global Sanitation Fund (GSF) Programme is also not spared by this devastating earthquake. Out of 17 GSF working districts, 5 districts were severely hit by the shake. The setback of the progress claimed by the programme is alarming. Two GSF working districts, Dolakha and Sindhupalchowk reaching 99% and 98% sanitation coverage respectively before the earthquake encountered the steep downfall of sanitation coverage within few seconds of shake into 20% and 5% coverage respectively. Fortunately, the toilets built in minds of people were still intact though the physical toilets in the ground were damaged. Thus, due to this gained awareness level and improved behavior change no open feaces were detected and no significant diarrheal outbreaks encountered after this disaster which is anticipated.

GSF programme’s sole effort after the earthquake focused on revival of the sanitation campaign in these districts. This documents tries to capture the lessons that GSF programme went through in last 12 months after the disaster in this revival effort. We are looking forward for accelerated transformation in the revival of the campaign so that the national sanitation target is not shaken by the residues of this disaster in the sector.

Sudha Shrestha
Act Chief Technical Advisor/ GSF Programme Manager
UN-Habitat
A 7.8 magnitude earthquake struck Nepal on 25 April at 11:56 local time creating large scale damage and many casualties. The epicenter was located 81 km northwest of the Nepali capital Kathmandu in Gorkha District at a depth of 15 km. The earthquake has caused a number of landslides and avalanches. Strong aftershocks, including a 6.7 magnitude quake on 26 April and 7.3 magnitude on 12th May 2015, continue to threaten the lives of thousands of people and to further damage of buildings and infrastructure. Many people are afraid and have slept outside for several consecutive nights, in spite of the falling rain. According to initial estimations and based on the latest earthquake intensity mapping, over 8 million people are affected in 39 of Nepal’s 75 districts. Over 2 million people live in the 14 most critically hit districts. According to the government the earthquake caused more than 8,000 deaths. The Central and Western Region, including the Kathmandu Valley districts, are the worst affected with the full impact of the earthquake in mountainous and hilly districts (in bold GSF supported districts): Dhading, Gorkha, Rasuwa, Sindhupalchowk, Kavre, Nuwakot, Dolakha, Kathmandu, Lalitpur, Bhaktapur and Ramechhap. Secondary data analysis and earthquake intensity mapping suggest that over 600,000 houses have been damaged and that 2.8 million people have been displaced.

Among the 17 GSF supported districts, 5 are significantly affected: Sindhupalchowk, Dolakha and Bhaktapur as well as Rasuwa and Nuwakot. In the tables in following pages (24,25) some preliminary information based on rapid assessments of the 3 most heavily affected districts supported by GSF with pre- and post-earthquake coverage information.
The key support committed from GSF is the allocation of USD 1 Million within 48 hours of disaster to restore the sanitation status of 3 affected GSF districts (Bhaktapur, Dolakha and Sindhpulchowk). This is solely planned not for WASH humanitarian support but to capacitate and backstop WASH Clusters at the district level and for long term revival plans. Besides, UN-Habitat also secured USD 300,000 plus from Central Emergency Relief Fund (CERF) for immediate WASH relief support to these most affected three districts and Kathmandu Valley. Though, GSF programme was prepared for such devastating disaster of the nation, the programme responded quite well during this mega crisis. The major strength demonstrated by GSF programme is the national and district level coordination and backstopping. Some of the key coordination actions are:

› Strong Coordination at WASH clusters (National and Districts)
  • Focal coordinating agency for Bhaktapur, Sindhpulchowk, Dolakha and Nuwakot
  • WASH cluster Co-lead in district WASH Clusters

This is basically the technical backstopping at national and district level WASH Clusters for Information management, coordination for WASH humanitarian support in all VDCs of the districts for reaching the un-reached, and secretariat role for WASH Cluster operations, Mapping the support agencies in the districts and informing the new agencies interested to fill the gaps in district level.

› Initial assessment immediately after the disaster
› Mobilization of volunteers for detailed assessment of WASH as per checklist provided by WASH Cluster
› District level phase wise District WASH plan (Short term and long term)
› Strengthening district WASH relief and response through WASH technical backstopping and coordination
› Intervention ongoing with D-WASH-CCs and partners on planning for long term restoring sanitation status and strategic transition of WASH Cluster into D-WASH-CCs’ regular WASH development activities.
QUICK INITIAL ASSESSMENT FINDINGS

Immediately after the mega earthquake the assessment of the sanitation coverage was made on the basis of damage reported by respective Districts’ DDRC (district Disaster Response Committee). The estimated sanitation coverage as per damage reported by district (First week after EQ): GSF working Districts

<table>
<thead>
<tr>
<th>Districts</th>
<th>% Sanitation Coverage before earthquake</th>
<th>% of Damage reported</th>
<th>Sanitation Coverage after earthquake</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sindhupalchowk</td>
<td>98%</td>
<td>99%</td>
<td>15%</td>
</tr>
<tr>
<td>Dolakha</td>
<td>99%</td>
<td>100%</td>
<td>20%</td>
</tr>
<tr>
<td>Bhaktapur</td>
<td>100%</td>
<td>75%</td>
<td>50%</td>
</tr>
<tr>
<td>Nuwakot</td>
<td>59%</td>
<td>80%</td>
<td>20%</td>
</tr>
<tr>
<td>Rasuwa</td>
<td>56%</td>
<td>90%</td>
<td>15%</td>
</tr>
</tbody>
</table>

After the first week of earthquake, the initial VDC wise assessment was made through mobilizing GSF mobilizers based on the government WASH checklist with some additions to it to incorporate the status of toilets. The finding of this assessment as of third week after the earthquake is:

<table>
<thead>
<tr>
<th>Districts</th>
<th>Assessment coverage</th>
<th>Totally Damaged toilets</th>
<th>Partially damaged Toilets</th>
<th>Not Damaged</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bhaktapur</td>
<td>58,711 HHs</td>
<td>18,456 (31%)</td>
<td>11,155 (19%)</td>
<td>29,355 (50%)</td>
</tr>
<tr>
<td>Sindhupalchowk</td>
<td>34,468 HHs</td>
<td>24,894 (72%)</td>
<td>6,200 (18%)</td>
<td>3,374 (10%)</td>
</tr>
<tr>
<td>Dolakha</td>
<td>34,064 HHs</td>
<td>15,328 (45%)</td>
<td>12,944 (38%)</td>
<td>5,790 (17%)</td>
</tr>
</tbody>
</table>

REVIVE MY TOILET CAMPAIGN
(an effort to revive the Sanitation Campaign)

Volunteers mobilized for “Revive your Toilet Campaign” 16th NSW
- 170 local youth volunteers mobilized
- From diverse background aiming for one goal
- 8th to 12th June 2015: 100 toilets revived
- Three districts (Bhaktapur, Dolakha and Sindhupalchowk)
- Reached more than 500 HHs and 500 school students
- Hygiene promotion to more than 3000 population

However, these figures had been very mobile and reported with varying figures by different support players during this crisis. GSF planned and facilitated the district WASH clusters, Water supply and sanitation District Office (WSDDO) and D-WASH-CCs for the detailed assessment.
GSF INITIAL STRATEGIES IMMEDIATELY AFTER EARTHQUAKE TO RESTORE THE SANITATION STATUS

During this disaster relief response period the regular development perspective is diluted within the priority of life-saving effort from numerous humanitarian agencies. Thus, GSF concept for long term support in affected districts where programme is present and planning to continue required strategizing in this context. The initial strategies of the programme immediately after the earthquake are:

› Numbers of humanitarian agencies are supporting for immediate response, so GSF is to plan for long run commitment. GSF waited for 6 months till December 2015 to analyze the scenario of humanitarian support and the status left behind.

› GSF planned to allocated re-programmed budget of USD 1 Million tentatively segregated as:
  • USD 200,000 : Bhaktapur
  • USD 500,000 : Sindhupalchowk
  • USD 300,000: Dolakha

› As for the approach in this given context, the first priority is to extend partnership with existing partner but as they are stretched with this disaster opportunities, the programme is re-thinking on managing and planning the support to the district.

› Restore the ODF Status in two additional new districts (Rasuwa and Nuwakot) as well since the programme has already committed for it on regular scenario. However, the planning required to wait till monsoon ends (especially Rasuwa to be waited for the scenario after monsoon which may totally change due to landslides) where the scenario may change totally due to subsequent possible landslides and re-locations of the affected communities.

Though these initial strategies changed with the given context of the time and scenario of the districts eventually.
Toilet reconstruction is totally in our hands!
GSF PROGRAMME’S KEY ENGAGEMENT

Coordination - As there were many new agencies in the districts after the earthquake, GSF district coordinators took on the responsibility for supporting the Water Supply and Sanitation District Offices (WSSDOs) in Bhaktapur, Dolakha, Nuwakot and Sindhupalchowk districts in coordinating the District level WASH clusters, while the central team was an active member of the National WASH cluster for policy guidance and technical backtopping. GSF supported in managing information, preparing district level plans and monitoring progress of emergency response efforts.

Assessment - After the first week of earthquake, GSF conducted an initial VDC wise assessment, which found that damage to toilets was most extensive in Sindhupalchowk district, where prior to the earthquake about 99% of the households had toilets. However, the figures kept changing as the areas continued to get hit by aftershocks and landslides. Furthermore, some remote areas were not accessible and many people had moved out of their homes and villages to safer locations. Therefore, GSF continued to support the District WASH Clusters in regularly updating information.

Emergency WASH – GSF also reprogrammed USD 1 million from its own resources and mobilized USD 300,000 from CERF to assist with emergency WASH needs and to strengthen plus technical backstop the WASH Clusters at district level. It also mobilized volunteers who supported with hygiene education and revival of toilets. As a result of GSF and many other partners, led by the government, the earthquake affected areas did not suffer from epidemics even during the monsoon season which followed the earthquake.
4,515 Hygiene Kits distributed to avoid diarrhoeal outbreak
CHALLENGES

INTERNAL CHALLENGES (IMMEDIATELY AFTER EQ)

There were various internal challenges encountered that affected the efficiency and delivery of the programme. Some of the key internal challenges are:

› Existing partners are very much stretched with “emergency opportunities” from various support agencies
› Partners’ Human Resources also had been transitioning with this opportunity hopping to better positions and monetary benefits
› Human Resources of partners itself were affected and took time to resume the regular commitment and pace
› Delay in tracking and mobilizing the field level mobilizers by partners due to added emergency load
› All support agencies comfortable with material support at this stage and low priority to software component
› WASH Cluster at districts assigned agencies for VDCs and no clear indication on how long and what will be the supporting modality though the current mandate in relief response
› The support modality varies from agency to agency which fully raised confusion at district level and also to our programme partners.

BROADER SECTOR CHALLENGES

There are various policy level broader challenges during the execution in emergency. The humanitarian support and the core principles of sanitation and hygiene master plan where the norms are not to be violated. Some of the core broader level challenges are:

› Relief support and resuming the regular development activities
› Subsidy support for sanitation facilities : even for Households that do not own sanitation facility yet before the earthquake
› Retaining the principles of Sanitation Master plan and mandate of GSF during stretched emergency period
› Reported damage 220,000 toilets in 14 affected districts (NRs. 5000/ toilet) above NRs 1.1 billion required. Where this fund can be arranged from.
› Relocation of communities: eg. 60 communities of 13 VDCs of Sindhupalchowk
› Longer period of camp settings : sanitation issues
› Hygiene behavior and its continuity : water for sanitation and hygiene

To streamline and address the policy level confusion, National Sanitation and Hygiene Coordination Committee (NSHCC) had issued a guideline to maintain the principles of master plan without violating its norms. The three areas that the guideline addressed were i. Water supply and Water Quality; ii. Sanitation and iii. Hygiene. The basic guidance had been proposed by respective thematic groups under National WASH cluster and endorsed by NSHCC. The basic norms maintained is the segregated defined support for toilet facilities to the bottom segment of affected groups who cannot afford at this stage where everything is lost due to disaster. The endorsed guideline was disseminated to district level by second week of July 2015.
Bhaktapur, Saru Khatri, inhabitant of Changu Narayan municipality has been bedridden for a year due to tumor. On April 25, 2015, 11:58 AM, the earth shook so harshly that the 52-year-old was forced to witness her house collapse to the ground along with their toilet. They took refuge at nearby hospital and later shifted to the makeshift shelter. But the bigger problem was the toilet. “Our mother can’t go far, so we used to make her excrete on a plate, and dig a hole at the field and bury it there”, her daughter shared as she was lying on bed with a heart so heavy it brought tears to her eyes. As the volunteers of SOYA proposed to help build a toilet for them, she took a long breath of relief. Help came instantly. Ward office provided a pan and pipe, WSSDO helped with volunteers, and CERF took care of financial issues. With this help and hard work from the family members, she was able to become the first to have a toilet in the ward. Now, she uses the toilet with help from her daughter and she has no more feeling of being a burden to the family.

“The health and sanitation material support from the program helped us maintain family health and keep the toilet clean”, thanked Shova, daughter of Saru Khatri.

CERF was executed by UN-Habitat/GSF after the April 25 earthquake with the aim to provide support for revival/reconstruction of HH level toilets after earthquake, and support the vulnerable families for preparation of seasonal outbreaks. It was implemented in Dolakha, Sindhupalchowk, Nuwakot, and Bhaktapur Districts. CERF had planned to reach to 4500 HHs for revival of toilets and reached to 5219 HHs finally. Out of it, support has been made to 2136 HHs in Dolakha, 750 in Nuwakot, 1792 in Sindhupalchowk, and 731 in Bhaktapur.

Similarly, hygiene kits were distributed to 4,515 HHs; and more than 6000 HHs have been benefited through technical education support. Due focus was given on technological option of HH level toilets, monsoon preparedness, personal and household level sanitation, and liquid and solid waste management in the technical education. Altogether, investment of US$ 224,412 has been made by UN-Habitat and CERF for revival and reconstruction work.
## CURRENT SETBACK CALCULATION OF GSF PROGRESS

**GSF Achievements**
- Access to Sanitation before earthquake: 238,831
- Access to Sanitation before EQ: 238,831
- Access to Sanitation after earthquake: 39,240
- Remaining Access to Sanitation after earthquake: 39,240

**District-wise Setback**
- **Bhaktapur**:
  - People living in GSF target area: 94,836
  - GSF Baseline: People with access to sanitation: 73,505
  - % Baseline: sanitation coverage: 78
  - GSF Achievements: people with access to sanitation - 2015: 21,481
  - Damage estimation: % after EQ: 27
  - Setback (people with access to sanitation before but now without access within GSF progress): 5,800
  - Remaining Access to Sanitation after earthquake: 15,618
  - Total setback (people with access to sanitation before EQ now without access): 25,646

- **Dolakha**:
  - People living in GSF target area: 129,144
  - GSF Baseline: People with access to sanitation: 50,171
  - % Baseline: sanitation coverage: 39
  - GSF Achievements: people with access to sanitation - 2015: 45,325
  - Damage estimation: % after EQ: 67
  - Setback (people with access to sanitation before but now without access within GSF progress): 30,368
  - Remaining Access to Sanitation after earthquake: 30,368
  - Total setback (people with access to sanitation before EQ now without access): 63,982

- **Sindhupalchowk**:
  - People living in GSF target area: 258,039
  - GSF Baseline: People with access to sanitation: 89,694
  - % Baseline: sanitation coverage: 35
  - GSF Achievements: people with access to sanitation - 2015: 172,025
  - Damage estimation: % after EQ: 95
  - Setback (people with access to sanitation before but now without access within GSF progress): 163,424
  - Remaining Access to Sanitation after earthquake: 163,424
  - Total setback (people with access to sanitation before EQ now without access): 248,633

**Setback Calculation**
- **Total Set Back**
  - Setback due to earthquake: 199,591
  - Total Setback (HHs toilet): 338,262

### Table

<table>
<thead>
<tr>
<th>S.N</th>
<th>Districts</th>
<th>People living in GSF target area</th>
<th>GSF Baseline: People with access to sanitation</th>
<th>% Baseline: sanitation coverage</th>
<th>GSF Achievements: people with access to sanitation - 2015 before EQ</th>
<th>Damage estimation: % after EQ</th>
<th>Setback (people with access to sanitation before but now without access within GSF progress)</th>
<th>Remaining Access to Sanitation after earthquake</th>
<th>Setback in baseline (HHs with toilet)</th>
<th>Total setback (people with access to sanitation before EQ now without access)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Bhaktapur</td>
<td>94,836</td>
<td>73,505</td>
<td>78</td>
<td>21,481</td>
<td>27</td>
<td>5,800</td>
<td>15,618</td>
<td>1,160</td>
<td>19,846</td>
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<tr>
<td>2</td>
<td>Dolakha</td>
<td>129,144</td>
<td>50,171</td>
<td>39</td>
<td>45,325</td>
<td>67</td>
<td>30,368</td>
<td>30,368</td>
<td>6,074</td>
<td>33,614</td>
</tr>
<tr>
<td>3</td>
<td>Sindhupalchowk</td>
<td>258,039</td>
<td>89,694</td>
<td>35</td>
<td>172,025</td>
<td>95</td>
<td>163,424</td>
<td>163,424</td>
<td>32,685</td>
<td>85,210</td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL Set Back</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>199,591</strong></td>
<td><strong>39,918</strong></td>
<td><strong>138,671</strong></td>
<td><strong>27,734</strong></td>
</tr>
</tbody>
</table>
Behaviour change protected from major diarrheal outbreak: The disaster anticipated major diarrheal outbreak as the earthquake occurred at the verge of monsoon. But the high level of behavior change adapted by the population protected them from major outbreak even in this crisis period.

People first revived their damaged toilet: The toilet built in people’s mind stayed intact though the physical toilet damaged by the disaster. So the first revival they started was with toilet to utilize in the crisis.

Continued WASH humanitarian support: The initial understanding of the WASH Cluster led by government was that the emergency humanitarian support will be till December 2015. However, even after 15 months from the disaster the support is still there. The regular development campaign affected and people are staying back with expectation of the support for shelter and toilet. Thus, GSF programme also faced difficulty in continuing the campaign with support ongoing where the awareness level had already been to certain level i.e more than satisfactory point. Thus, these districts did not require further continuity of re-educating behavior change though the 100% coverage may take some time.

ODF Campaign continued: The intervention planned for three most affected districts took time as the current mobile situation of humanitarian relief support is still bringing the changed scenario for the restoration of the sanitation status. However, the ODF revival campaign had not been totally defunct as ODF declarations are ongoing and targeted to meet the district ODF within the national sanitation target 2017. (Dolakha: 6 VDCs and some wards of municipality; Sindhupalchowk: 8 VDCs; Nuwakot: 10 VDCs; Rasuwa: 1 VDC and is ongoing).

Further behavior change campaign not essential: Sindhupalchowk and Dolakha where the sanitation coverage had almost reached to the ODF stage before the earthquake do not require further behavior change campaign as local residents are already aware on the importance of toilet and its use which was demonstrated by the revival of toilets on their own immediately after the disaster.

Need for Strengthening the institutional capacity in emergency: The coordination and technical backstopping immediately after the disaster indicated the need of institutional strengthening of the key WASH institutions at district level for the emergency preparedness in various aspects like assessment, coordination, monitoring, information management etc. Besides, the clear communication and institutional backstopping from the central WASH Cluster and government authorities is also vital.

KEY LESSONS
We do not have influence over natural disasters but preventing outbreaks is totally in our hands!
Survived earthquake with physical damages, but still strong enough to rebuild better!
Notes

GSF Implementing Partners for Revival of Sanitation Campaign

COMMUNITY DEVELOPMENT AND ENVIRONMENT CONSERVATION FORUM (CDECF), SINDHUPALCHOWK

SOCIETY FOR YOUTH ACTIVITY (SOYA), BHAKTAPUR

DEVELOPMENT AND ENVIRONMENT CONSERVATION CENTRE (DECON), NUWAKOT

DEEPJYOTI SAMAJ SUDHAR SANGH (DJSS), DOLAKHA

SOCIAL EMPOWERMENT AND BUILDING ACCESSIBILITY CENTRE (SEBAC), KATHMANDU

COMMUNITY DEVELOPMENT FORUM (CDF), DOLAKHA

JANAHIT GRAMIN SEWA SAMITI (JGSS), SINDHUPLACHOWK