



EXECUTIVE SUMMARY

Project Title	Developing a Sustainable WASH infrastructure in the Schools with the easy accessibility of Clean safe drinking water, better hygiene awareness with menstrual management and the child friendly sanitation services.
Objective	Development Goal To contribute to accessibility of clean safe drinking water for the school students, improved hygiene awareness, child friendly sanitation services and better source management with alternative source of water i.e. Rain Water Harvesting and Grey Water Management. <i>Project Objectives</i> <ol style="list-style-type: none">1. Increased awareness and access to WASH infrastructure facilities for school in through establishment of innovative WASH facilities.2. Increased capacity of school children and teachers and local leaders to manage and sustain WASH facilities in the selected schools.3. Innovative Menstrual Hygiene Management (MHM) attained in the targeted schools.
Target groups	Project beneficiaries: The project will directly benefit the total number of students and the teachers within the School.
Time Span	2018-19
Implementing Partner	Splash (Prabhav) Nepal
Budget for One School	\$ 112,500

Context: Access to Clean, safe and secure water resources is an essential prerequisite for the kids and the communities to prosper. Sadly, this is far from the reality for many of the poorest people and kids in the Urban Population and at the Rural Areas who do not have access to clean safe drinking water supplies. Despite the overwhelmingly clear evidence that providing safer, accessible and more reliable supplies of fresh water leads to healthier populations and economies” millions of people still struggle to access safe drinking water.

Water is also not so easy to keep clean, particularly if it must be transported from a shared source to the point of use. It has been shown that “improved sources” are not always safe, and can be contaminated by chemical pollutants or human or animal excrement. Infectious diarrhea is the most common disease related to unsafe water, sanitation and hygiene, mainly affecting children under 5. Globally it causes the deaths of over 1,000 children every day.

The Government of Nepal has set a national target for providing a basic level of water services and access to improved sanitation for all by the end of 2017 (100% of the total population, which is 22.6 million according to 2011 census). As per government estimates, as of now, 85% of the total population has access to basic water supply services and 62% has access to basic sanitation facilities (access to toilets). However, there are a lot of challenges for sustaining these achievements and making water services and sanitation facilities available to the remaining portion of the population or currently un-reached people. Some major challenges are attributed to the lack of adequate resources (financial and human resources), lack of appropriate and affordable technologies, and lack of energy (although there is huge potential for hydro power and only a very negligible part has been utilized).

Several studies have shown that even if the water quality is high at a public source point, contamination frequently occurs during transport, handling and storage in the home. A variety of household water treatment technologies have been reported by the World Health Organization (WHO) to be effective methods of improving drinking water quality at the household level.

Rationale: The proposed project will be designed to improve the availability, reliability and sustainability of WASH infrastructure in the selected Schools (on the need basis) located at Chitwan in line with the set goals of better WASH facilities as specified in the Sanitation and Hygiene Master Plan 2011. Splash Nepal intends to build upon lessons learned from almost a decade long experience in the field of WASH with the support of donor organization towards the greater goal of developing sustainable WASH infrastructure at the Schools.

Project Goal:

1. To strengthen the capacity of the WASH facility for the sustainable WASH infrastructure at the Schools while ensuring access to such schools and in the local communities;
2. Enhance a sense of ownership of the participating public schools by the beneficiaries and their communities.

Project Objectives:

1. Increased awareness and access to WASH infrastructure facilities for school in through establishment of international standard WASH facilities.
2. Increased capacity of school children and teachers and local leaders to manage and sustain WASH facilities in the selected schools.
3. Innovative Menstrual Hygiene Management (MHM) attained in the targeted schools.

Key Action Area:

1. Installation of WASH Infrastructure that meets the international standards;
2. Provide support for the better source management and the repairs and maintenance of the established system
3. Empowering partners towards sustainability of the Project.

Proposed Project Activities

1. Selection of the Schools and conduct the technical viability study on schools through collaboration and participation of government agencies in identification and selection of schools.
2. Conduct baseline survey by focused on the status of existing WASH infrastructure;
3. Prepare operational plan for improvements, conduct the capacity building workshops for the instillation of the 7FATS total Sanitation Approach in School.
4. Develop WASH infrastructure as planned and agreed upon while adopting community ownership model in close cooperation with the participating institutions.
5. Regular and Continuous Follow-Ups for Monitoring of the WASH infrastructure and leveraging the Government Resources to help Partner Institutions own the infrastructure.
6. Empowering the Partner Institutions towards attaining the sustainability of the Project and multiplying the impact.

Proposed Project Area and Beneficiaries

Chitwan and the nearby Peri-Urban Areas. Schools and nearby Community Outreach.

Total Beneficiaries: Total number of students and the Teachers and Staffs.

Organizational Background

Splash Nepal (प्रभाव नेपाल) previously known as A Child's Right Nepal has been continuously working towards preserving the rights of children towards enhancing their access of safe drinking water and the better WASH infrastructure. Splash Nepal (प्रभाव नेपाल) has installed, repaired and maintained the WASH infrastructure at the 240 Community Schools within Kathmandu Valley, 4 Orphanages, 1 Hospital (Kanti Children Hospital) and 2 Shelter Homes. With the Key offerings of better and Continuing Services, mobile experienced technical teams to ensure the Continuity of the better WASH Infrastructure, Empowerment of the Partners to attain the Sustainability of the Program and WHO Standard Quality of Drinking Water and regular monitoring of the water quality to ensure set international standards are met, it has partnered with almost 45% of Community Schools within Kathmandu Valley (with the coverage of 90% of big schools). Splash Nepal installs International Standard Filtration Unit with 99.9999% removal of biological contaminations, bad taste and odor. It also, conducts need based hygiene education training, improve curriculums and best of methods/practices, develops Child Friendly Sanitation Facilities, usage of better sanitation facilities and installs affordable and Qualitative Rain Water Harvesting and Grey Water Harvesting facilities.

Budget Estimate

S. N	Particulars	Amount (Rs.)
1	Filter System and the Drinking & Hand Washing Station – Big Schools. 8 Taps for Drinking water and 8 Taps for Hand Washing and one Mass Hand Washing Stations including plumbing materials and treatment.	\$ 40,000
2	Hygiene Package – 7FATS Implementation	\$ 5,000
3	Sanitation – CDGE Friendly Structure	\$ 30,000
4	Rain Water Harvesting	\$ 20,000
5	Water Test – Pre-and Post	\$ 800.00
6	Grey Water Management	\$ 8,000
7	Manpower Cost for the Project Implementation	\$ 8,700
	Grand Total	\$ 112,500

- Filter System are the system to be used for the big institutions which have lower maintenance cost over the year. The Filter System will have one access point to the outside community members. The community members can also get the water at the nominal rate which could be used for the sustainability of the Project.
- 7FATS is a package wherein students drive the total sanitation program under the mentorship of the teachers.
- CDGE Friendly Sanitation Structure refers to the Child, Disable, Gender and Environmental Friendly Sanitation Structure.
- Grey Water Management is the management of the water used for the hand washing and other wastages into toilet flushing and other gardening purposes.

Project Activities:

Activities to Achieve Objective 1: Increased awareness and access to WASH infrastructure facilities for school in through establishment of international standard WASH facilities.

The activities under this objective aim to tap into developing a sustainable and better water, sanitation infrastructure and better hygiene behavior in their schools where possible their homes at the same time encouraging schools to prioritize sanitation so as to achieve better educational goals. It also seeks to increase access to clean safe drinking water, child friendly sanitation and hygiene services to school students selected schools in Chitwan. The activities include the following;

1. Technical Vetting and Need Based Hygiene Awareness Assessment at the School for the study of the existing WASH infrastructure and the existing Hygiene practices.
2. Signing MOUs with the participating schools and the relevant authorities to undertake roles in implementation.
3. Sensitization of the school students, teachers and local community actors, leaders about school WASH
4. Installation of International Standard WASH infrastructure for the better accessibility of clean safe drinking water, accessible hand washing facilities and child friendly sanitation facilities.
5. Conduct a teacher training for the better accommodation of Hygiene Awareness Workshops that could be sustainable and long lasting.
6. Support school clubs to conduct follow up trainings and sensitizations about WASH in the schools and their homes.
7. Production and sharing of IEC materials that promote school WASH and MHM as well as conducting promotional radio talk shows.
8. Support schools to conduct awareness workshops that promote school WASH through school competitions.
9. Support the schools with sanitation working tools to conduct school clean ups and sanitation improvement
10. Development of Rain Water Harvesting and Grey Water Management for the better water source Management.

Activities to Achieve Objective 2: Increased capacity of school children and teachers and local leaders to manage and sustain WASH facilities in the selected schools.

The activities under this objective aim to enhance the capacity of the school children, teachers and local leaders to manage and sustain WASH Infrastructure facilities in the schools. Activities will include;

1. Mobilization and formation of school health clubs and school management committees SMCs to take on the role of Operation and Management (O&M) of established structures.
2. Training of school health clubs and school management committees SMC's in O&M of established structures
3. Development and dissemination of School WASH O&M manual to facilitate trainings.
4. Formation and strengthening of school monitoring systems and structures.
5. Support school O&M committees with working tools and linking them to trained local masons.
6. Linking School O&M committees to the division Local government for further support and sustainability.

Activities to achieve Objective 3: Innovative Menstrual Hygiene Management (MHM) attained in the targeted schools.

The activities under this objective aim to raise awareness amongst the girls and boys, schools' teachers, local leaders and parents at home on issues of WASH and MHM. It also aims at raising awareness on gender and as well as the need to provide for special consideration for the girls whenever necessary. The activities include;

1. Sensitization of students in the schools on Menstrual Hygiene Management including distribution and use of re-usable sanitary pads.
2. Conducting sensitization of on gender roles for all boys and girls, local leaders in target schools and gender prejudices that stigmatize girls and MHM
3. Production and distribution of IEC materials on gender and MHM and documentation of best practices for further learning and sharing.
4. Support school clubs to conduct follow up trainings and sanitizations about gender roles and MHM in schools and own homes
5. Organize gender promotion, role plays, drama competitions, exchange visits and support the clubs with equipment.
6. Taking into consideration the special needs for the girls during designing, construction and use of WASH facilities as described in objective 1 above.

Intervention Strategies planned

The intervention measures that are to be carried out are aligned to the objectives. As listed above the activities belong to two categories; hardware and software. Below is a synopsis of the project intervention measures leading to each objective. A detailed Logical framework has also been developed that indicates objectives, outputs, activities, indicators, means of verification and assumptions.

Interventions to Achieve Objective 1: Increased awareness and access to WASH infrastructure facilities for school in through establishment of international standard WASH facilities.

Technical Vetting and Need Based Analysis: The technical assessment of the WASH infrastructure existing and the one that is to be installed are to be analyzed and engineering design to be developed. This will be targeted at keeping all the stakeholders informed about the commencement and progression of the project. There will be signing of MoU with clear provisions of the roles and responsibilities of the various stakeholders involved, schools, division administration etc.

Inception/Introductory meetings

These shall be carried out at three main levels i.e. District Education Office, Municipality Office and at Ward levels where the target schools are located. The purpose of these meetings will be to create awareness about the project, streamline the structures through which the project will work, map out the centers of power and to identify the key stakeholders. This will be hand in hand with suggesting ways of collaboration with the schools and SMCs to implement the project. It is also important for beneficiaries and other stakeholders to identify with the project from the onset thus ensuring a smooth flow of progress besides understanding their roles and responsibilities.

Training and develop IEC material on WASH related issues & behavior change.

In order to facilitate management and to cascade information, a range of IEC materials and training manuals on WASH and MHM will be developed. A number of training workshops will be conducted to operationalize the manuals. In addition, 7 FATs approach on total Sanitation will take place. IEC materials will be produced with clear and simplified WASH behavioral and attitudinal change messages. The IEC's will help in information capture and sharing, an information kit (Training manuals) together with various IEC materials like posters, brochures, and flex will be produced to depict various messages related to water and sanitation promotion and citizen rights. These Materials will be simplified and translated into local languages of the targeted population.

Conduct meetings to sensitize/train Communities on good and effective hygiene and sanitation practices

The target communities will be sensitized on the dangers of poor hygiene and sanitation and on advantages of good sanitation and hygiene. The content of the training will include: Society behavior, policies on wash, waste management, proper usage and cleaning of WASH facilities, roles and responsibilities of facility users, clean water cycle and proper hand washing practices. Emphasis on the Fecal Oral Routes and the safe water chain will form the basis for prioritization of behavior change. Action plans will be developed and these will provide the basis for the periodic monitoring over the project period.

7 FATS Approach

Different colored flags will be integrated into this approach as many schools already have erect flags in their premises to invoke a sense of competition and standard. There is also practice of dividing students in different groups (houses) and making them compete against one another. Hence, these practices can be adopted for the purpose of maintaining WASH in school. Dedication of a day for sanitation plays a vital role to highlight the importance of total sanitation and make 7FATS successful with reward and recognition being motivational factors. However, major challenge still remains on the issues of the coverage of other total sanitation indicators and overall sustainability. Challenges and recommendations for the success of the concept of the WASH in school through 7FATS will be detected only after implementing/piloting the concept.

WASH facilities for Schools.

The project will implement hardware innovations which will ensure sustainable menstruation hygiene management and effective sanitation intervention at each of the selected schools. The hardware facilities to be constructed shall be as follows:

- (i) Installation of Better and long-lasting Filter System to provide clean, safe drinking water with the drinking water stations at the easily accessible location at the schools.
- (ii) Better and easily accessible Hand Washing Facilities to be installed at the nearby location of the sanitation facilities.
- (iii) Renovation of the existing structure of sanitation facilities into child friendly sanitation facilities through better drainage facilities, effective flushing, tiling, ventilation, maintenance of privacy and others.
- (iv) In addition, there will be construction of Rain Water Harvesting System and Grey Water Management Structure at the School for the effective and efficient management of the Water;

Handover of facilities

The WASH facilities will be officially handed over to respective schools upon completion and a certificate of completion handed over. This will help to avert any queries of standard of works because the stakeholders will attest to the quality and approve of the final piece of work but also taking care of issues to do with transparency and accountability.

Interventions to Achieve Objective 2: Increased capacity of school children and teachers and local leaders to manage and sustain WASH facilities in the selected schools.

Facilitate school health clubs to undertake routine sanitation and hygiene improvement campaigns at school and community level

The project will support schools with better instillation of a proper system and mechanism for the better and sustainable hygiene practices at the Schools. These will include training and capacity building of the school teachers, 7 FATS approach, hygiene workshops, event days and other activities. The project will follow the schedule and ensure that supported schools participate in the general cleaning of their WASH facilities and environment through the 7 Flags. The children will be encouraged to transfer these practices to their homes.

Establishment of functional O&M structures and trainings

The project in collaboration with the Focal teachers will form and train the school health clubs and school management committees to monitor and maintain the WASH facilities and ensure that they are used properly. Emphasis will be put on good repair and maintenance of the facilities. This will be done through; ensuring that the formed user or management structures are carrying out their duties, impart knowledge of O&M issues and equip them with user friendly IEC materials that will have been developed in this project. The training will also tackle issues of rain water harvesting as an alternative access to water for hand washing and other domestic purposes to reduce on the cost. To achieve this, the project will facilitate sensitization workshops in operation and maintenance of WASH facilities. Major topics in the O&M training will include: Roles and responsibilities of teachers, SMCs, gender awareness, effective monitoring, WASH policy interpretation and use, record keeping and financial management.

Interventions to achieve Objective 3: Innovative Menstrual Hygiene Management (MHM) attained in the targeted schools.

The project will involve the preparation of the ToT for school science teachers who will also act as school health club coordinators. The content of the training will include conducting practical trainings for girls and boys in Menstrual Hygiene Management (MHM); sexual reproductive health, personal hygiene, proper usage and disposal of sanitary towels, and making re-usable sanitary pads. In the schools, the software that will be carried out shall comprise of; identification of the beneficiary schools, formation of school health clubs, training of Child to Child(CTC) coordinators, production of IEC materials like t-shirts, compound messages (talking compounds), publications and carrying out school competitions. The schools shall further engage in composing of role plays and drama as well as carrying out exchange visits amongst the schools to help the institutions benchmark from each other.

Diagrammatic Presentation of the Splash Nepal Design of WASH Infrastructure and Rain Water Harvesting at the School

