



SVYM

Sustainable Access to Safe Water Project Nelamangala

Dec 2017 - June 2020



SVYM's WASH Program Strategic Approach

WATER

Source: Protection of sources, creating new sources

Supply: Storage, supply chain, household connections

Safety: Monitoring, testing, research, pollution control

SANITATION

Excreta Management: Household Latrines, operation & maintenance

Solid Waste: Segregation, collection, value-add, disposal

Liquid Waste: Segregation, treatment, reuse, recharge

HYGIENE

Personal: 5 'F', key practices, menstrual hygiene

Food-water: Preparation, handling, storage, hand hygiene

Environment: Pollution control, conservation

We work with.....

Individuals

We work on Beliefs, Values, & Preferences to change the knowledge-Attitude-Practice(KAP) in individuals

Households

Family considered as the basic unit, the nucleus for formation and perpetuation of lifestyles

Village/Community

Collective action through mutual support, peer pressure and positive reinforcements

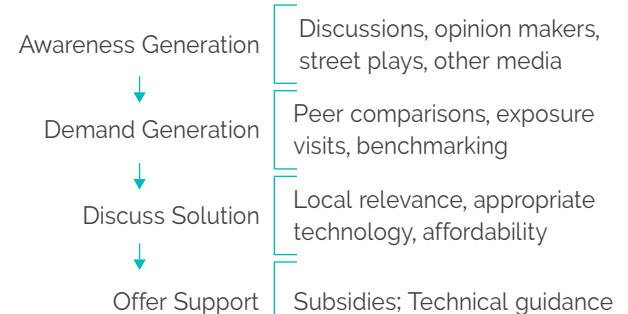
Institutions

Demonstrable changes in institutions where people frequent - schools, offices as demos to trigger replication

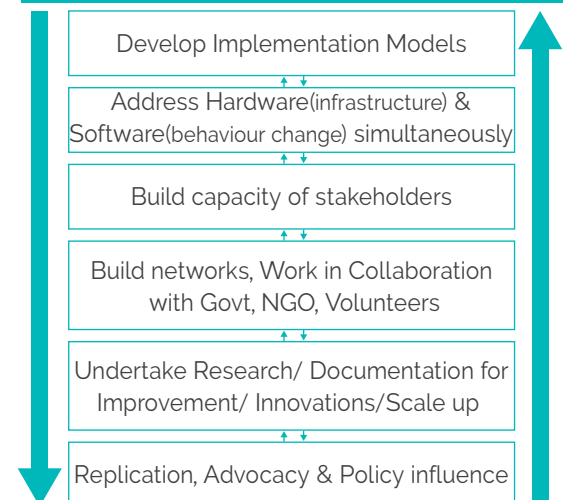
Organisations

Build and strengthen organisations, networks, NGOs, CBOs, PRIs, Govt. departments

Our Approach for Development



Key strategies



Sustainable Access to Safe Water Project Objectives



Ensure immediate access to sustainable and safe drinking water for people



Strengthen services, systems and capacity of institutions



Improve sanitation and hygiene practices in communities

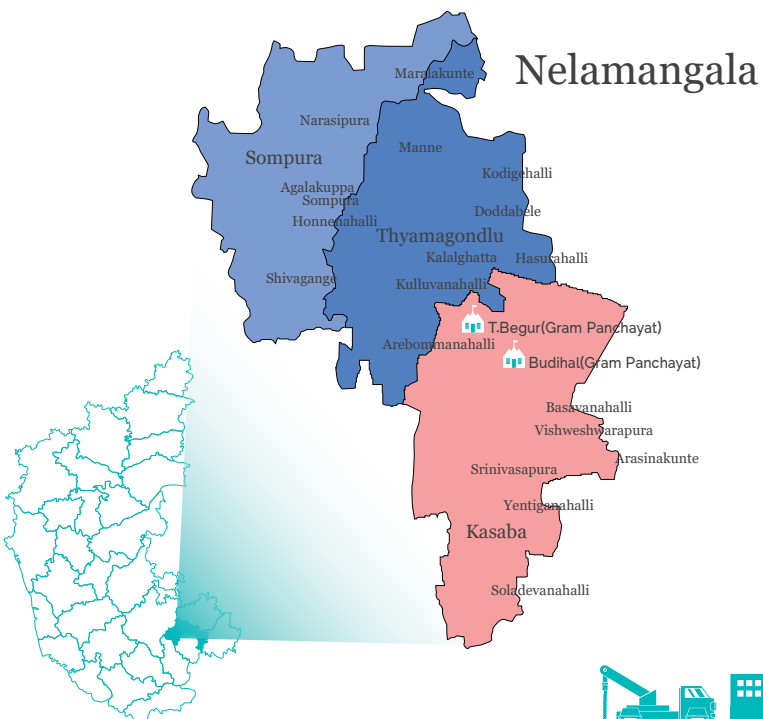


Support active and accountable institutions



Replicate success at the district-wide level through advocacy

Project Location



Profile

Semi-urban

Urban lifestyle

Very highly vulnerable to droughts

Groundwater overexploited & polluted due to untreated waste

Annual rainfall: 750 mm

Reach

2 Gram Panchayats

15 villages

17 Habitations

4,300 Households

17,331 People



Success and Impact of Hardware Interventions



Water reaching every doorstep at
Hucchegowdanapalya



Water Access in scarce
villages improved



Rain Water Harvesting model
village created



Safe water made available in
schools

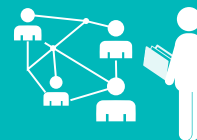


WASH infrastructures created
in schools and AWCs

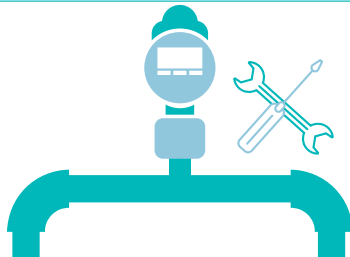


Schools and AWCs made safe
hygiene practice centres

Success and Impact of Software Interventions



O & M committees strengthened (VHSNC/VWSC, User group, PRI)



Training watermen for improvement in work efficiencies



Sensitization of community members, Self Help Groups,



O&M committees & school cabinets formed and functional in schools



Training of ASHAs, mothers, anganawadi workers on child-centric WASH



WASH model schools created as a knowledge centre for all

O & M (Operational and maintenance committee)
VHSNC (Village Health, Sanitation & Nutrition Committee)
VWSC (Village Water & Sanitation Committee)
PRI (Panchayat Raj Institution Members)



Solving problems together at O&M Committee meeting



Rain Water Harvesting model village - Hucchegowdanapalya

A WASH Rainwater Harvesting model village in every way, one is greeted by 'blue beacons of change' in the form of water taps and platforms installed in front of every house. Having access to water at their doorstep has greatly reduced the burden on women who earlier had to fetch water from nearby villages. It has saved time and created opportunities for them to earn more and focus on children.

The village has a surplus supply of stored water in storage tanks and Rainwater harvesting structures replenish water tanks installed in individual houses. A dedicated Operation and Maintenance committee consisting of community members efficiently manages water related issues in the community.

Strengthening WASH infrastructure in the community

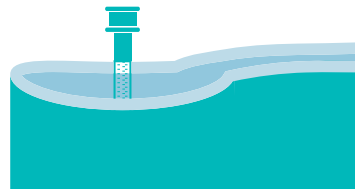
WATER SOURCE



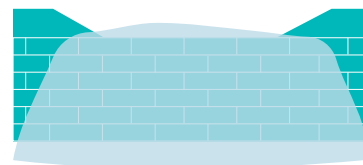
2 RWH units at
Govt. office/GP building



RWH at houthold level in
2 villages

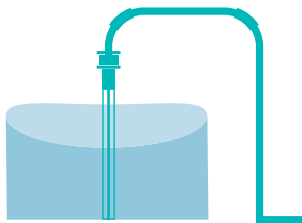


28 Borewell recharge/Injection
borewell installed in **20** villages
for water source sustainability

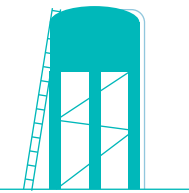


1 Check dam, **1** gully plug
constructed, **2** open wells
rejuvenated

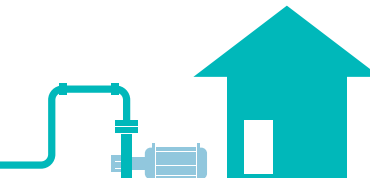
WATER SUPPLY



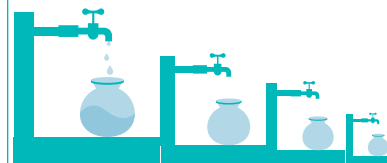
Borewell pump installation
/repair in **10** villages



2 Overhead Tanks refunctioned
& Mini Water Supply systems
installed in **12** villages

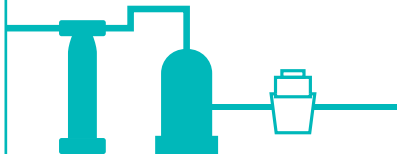


Pump house installation
in **9** villages



Household level tap with
platform in **14** villages &
pipeline retrofitting in
14 villages

WATER SAFETY



Online chlorination systems
installation in **16** sources



Water dispenser/filters at
HH level in **3** villages



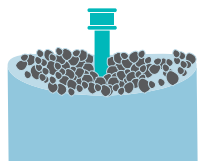
53 water sources tested and
contamination issues rectified



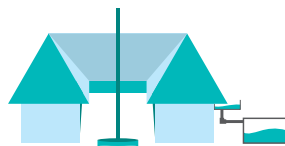
Water quality testing lab in
SVYM Nelamangala office

◀ Strengthening WASH infrastructure in institutions

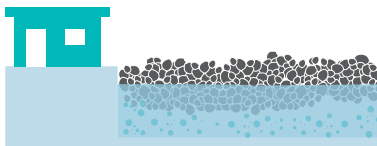
WATER



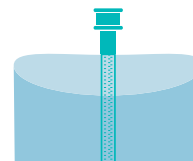
Recharge pit
in **13** schools, **3** AWCs



RWH construction
in **22** schools, **4** AWCs



Stormwater recharge in **2** school



Borewell recharge
in **4** schools

SANITATION



New/restored sanitation unit
in **7** schools, **6** AWCs



Promotion of Individual
Household Latrines in all
villages of **2** GPs

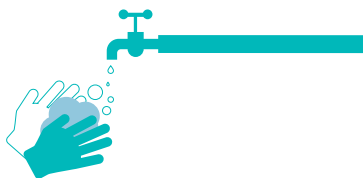


Demo units of greywater treatment
system in **2** schools



Demo unit of solid waste
management in **1** school

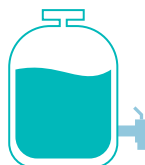
HYGIENE



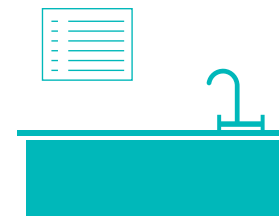
Handwash units constructed
22 schools, **15** AWC's



New or restored
water filter/dispenser
in **14** schools



New or restored
water filter/dispenser
in **25** AWCs



Dish washing platforms in
14 schools & AWCs



41.73% to 83.46%

Hand hygiene

Sessions conducted for 6 months by hygiene educators improved hand hygiene in school children

90% to 98.4%

Proper footwear

With the Government providing shoes to students the percentage was already high. After regular sessions for 6 months it improved further due to a positive change in behaviour

13.75% to 84.25%

Wash with soap

Regular WASH sessions in schools improved hygiene practices by using soap for hand washing among children



From Zero Litres to **1,05,30,179** Litres of rain water harvested through **8,341** sq mtrs of roof tops

◀ Building Capacities to Sustain the Change



It is ours...

Involving the stakeholders for ensuring ownership



Learning from the role models

Celebrating World Environment Day with Saalumaraadu Thimmakka



Catch them young & teach them young

Demonstrable changes in schools to trigger replication



Putting heads, hands & hearts together

User Group meetings to solve water related problems



The bottoms-up approach...

Ground water recharge through injection well



From skies... to roof... to glass...

Ensuring access to water at household level through RWH



Know it... To do it...

Awareness generation through a discussion with community



Do it... To know it...

Promoting safe sanitation & hygiene practices by demonstration

Our community partners speak



“

We were fetching water from too far. Our children would get late for school every day as we couldn't prepare food in time. Now, we have water taps in front of our house. Our problems have solved, we can focus on our livelihood, children and we are very happy.”

Mrs. Ratnamma

User Committee Member
Baradipalya, Budihal GP



▶ Scan to watch video

“

Our village was not even known to most of the people working in the Gram Panchayath and people living nearby. The village was neglected for so long and we lived without basic facilities. This changed after SVYM came in...

We all came together and worked unitedly to get the water at doorsteps by getting a new borewell. Now we have Rainwater Harvesting system with storage tank in each HH which lasts for 2-3 months long. The user committee has been working well and strengthened enough to take up any development works.

Today our village is model for all. Many prominent figures, central and state officials have visited the village. We are so proud.”

Mr. Murali

President- User Committee
Hucchegowdanapalya Village, T. Beguru GP



▶ Scan to watch video

“

I used to switch on borewell at 6 AM in the morning and borewell would run till 8 to 9 PM every day which is 14 hours a day to meet water demand of the villagers. After attending trainings and exposure visits to model villages, I realized the value of water and today I'm supplying water for 5-6 hours. I monitor the supply system every day, rectify issues immediately if any and ensure equal distribution of water.”

Mr. Narayana

Waterman, T. Beguru GP



▶ Scan to watch video

“

We are working hard to create Model Gram Panchayath with sustainable measures especially in water and sanitation. Our hands have been immensely strengthened as SVYM has helped us a lot in planning, executing and implementing. Two years back there was high scarcity of water and we use to supply water through tankers. Borewells were completely dry. Newly drilled borewells had depth of more than 1200 ft. Sustenance of these sources were uncertain. People were scared of water shortage. Sometimes, we were also helpless.



The efforts of borewell recharge, injection borewells, recharge pits are yielding high returns. The groundwater level has increased. The drinking water sources are now functional throughout the year.

Dependence on tanker supply has drastically reduced. People are satisfied and we are pleased with that.”

Mrs. Rekha G

Panchayath Development Officer
Budihal Gram Panchayat



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“

We approached SVYM for supporting the basic facilities in two clusters of Budihal and T.Beguru GPs as this was needed the most. The organization has implemented Rain Water Harvesting & water supply for all the purposes, Handwash stations, Toilet constructions or repairs and plantation in the school premises. Schools are very attractive with developed environment over the last two years. We are confident of increase in school admissions in coming days. Some of the teachers have shared in the meetings that students have turned to government schools after these facilities were created. We wish these facilities should be made available in all the schools.



More than 1200 teachers are happy that sanitation unit has been brought up in the Block Resource Centre where teachers who attend trainings and meetings every month were facing challenges without proper infrastructures for urinating and defecation. Personally I'm so satisfied and wish the SVYM to work with department to reach more schools.”

Mr. Ramesh

Block Education Officer
Nelamangala



▶ Scan to watch video

“

The state government and union government are implementing Jalamrutha and Jal Shakti Abhiyan respectively with the objective of water conservation, safe water supply at the doorstep. Together with SVYM, we have already implemented components like rain water harvesting at household level & institution level, various recharge structures etc. The two Gram Panchayaths are models for others. We are trying to inculcate these activities in other GPs of the block.”



Mr. Lakshminarayan

Executive Officer, Taluk Panchayat
Nelamangala Block



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Children become 'agents of change' for sustainable development

For development to be sustainable, bringing about a behavioral change in the community is important. A distinct approach taken by SAS Project in Nelamangala in this direction is to have school children play the role of change leaders.

Children influence at three levels. Child to child, child to family, child to community.

Deekshitha, a young water conservationist shares her story.

I have known what water scarcity is. Because I've lived with it, i don't want my future generations to even know what it is. I understood the importance of water and now know how we can conserve water available in the form of rain. I'm sharing this knowledge with my school friends and communities as well.

In my school, which is a role model school, we have rainwater harvesting, stormwater harvesting and greywater harvesting. The treated water is used for vegetable garden and watering the plants. We are also doing solid and liquid waste management crucial to conserve our living environment.

I lead the school cabinet and take into confidence of all members to make sure everyone knows about these. These messages should spread across the communities. That is my goal.

Deekshitha, 10th Std
Prime Minister, School Cabinet
Govt. High School, Mandigere





32
Villages

27
Schools

25
Anganawadi
centres

A partnership between SVYM & WaterAid



17,000+
People in
4,300
Households

22,27,93,996
Litres of water
harvested annually

*As per WaterAid calculation sheet

Swami Vivekananda Youth Movement (SVYM) is a development organization, engaged in building a new civil society in India through its grassroots to policy level action in Health, Education, Socio economic Empowerment Program and Training & Research sectors since 1984. SVYM has its headquarters in Mysuru district of Karnataka state in Southern India. Acting as a key promoter-facilitator in the community's efforts towards self-reliance and empowerment, SVYM is developing local, innovative and cost-effective solutions to sustain community-driven progress. SVYM believes that building human and social capital will result in economic consequences and all of SVYM's programs are driven by this development paradigm.

WaterAid India is part of the global WaterAid network which seeks to improve access to clean water, decent toilets and good hygiene for everyone, everywhere and are determined to achieve this within a generation.

In India, WaterAid works with communities in rural and urban areas through partners, reached millions of people with these three essentials – clean water, decent toilets, and good hygiene – enabling communities to unlock their potential to break free from the cycle of poverty and to change lives for good.

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