



Access to Safe and Clean Drinking Water in Schools

Funded By

TATA CAPITAL



A Corporate Sustainability Initiative

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Contents

Abbreviations	2
Key Highlights.....	3
Hardware Interventions.....	3
Water Quality Testing of Water Sources	4
O&M of the Hardware structures in Schools.....	5
Key Hygiene Messages.....	5
MHM Sessions	5
Capacity Building to Child Cabinets and School Management Committees.....	7
Wall Paintings.....	8
IEC & Signage Installations.....	9
Reflection and Analysis of what has not worked, challenges faced.....	9
Update on Plan Vs Progress.....	9

Abbreviations

HMWSSB	Hyderabad Metropolitan Water Supply and Sewerage Board
IEC	Information Education Communication
MHM	Menstrual Hygiene Management
MPPS	Mandal Parishad Primary School
O&M	Operations and Maintenance
RWH	Rain Water Harvesting
SMC	School Management Committee
TCHFL	Tata Capital Housing Finance Limited
WASH	Water, Sanitation and Hygiene
ZPHS	Zilla Parishad High School

Key Highlights

The quarter - January to March 2019 recorded significant progress in implementation of various planned activities of the project. During this reporting quarter, activities like installation of water filters and construction of water recharge structures were completed in the identified schools. During the development of proposed infrastructure and hardware constructions, operations and maintenance mechanisms were discussed in detailed with the respective stakeholders to ensure sustainability of structures created within the school premises.

Promotion of behavioural change through regular hygiene sessions in all the schools are in progress. Formation and capacity building of child cabinets is completed in eleven schools and capacitating the members on their roles and responsibilities is an ongoing process that is happening and is moving at a progressive pace. All required efforts were ensured to make these child cabinets become more effective in their functioning in their respective schools. Child cabinets have shown decent progress in addressing school level WASH issues while implementing roles and responsibilities in an effective and diligent manner.

School Management Committees were engaged through a formal capacity building program. During this event, SMC members were educated about primary functions of SMC members and how they can play an instrumental role in effective functioning of the schools. This activity has not only instilled confidence, but also triggered discussions amongst SMC members to steer the process forward.

Hardware Interventions

- Water Filters (Life Straw) were installed to create access to safe drinking water for the students. A total of 3478 children have gained access to safe drinking water in schools (Table 1).
- Monitoring of various hardware interventions is ensured. O&M plans are developed and in place to ensure sustainability of the interventions.
- Child cabinets are trained on O&M systems and are activity taking role in monitoring of various hardware interventions in schools

Table 1: List of schools where water filters were distributed

S.No.	School Name	Units	Boys	Girls	Total Strength
1	MPPS Moulali	3	214	272	486
2	MPPS Mallapur	3	179	213	392
3	ZPHS Neredmet	4	385	404	789
4	MPPS Balajinagar	2	146	152	298
5	MPPS Dammaiguda	2	160	160	320
6	ZPHS Dammaiguda	2	321	365	686
7	MPPS Devendar Nagar	2	98	115	213
8	MPUPS Thirumala Nagar	2	153	141	294
	Total	20	1656	1822	3478



Photograph 1: Life Straw Water Filters in the schools

- A Recharge pit in one school and rain water harvesting structures 3 schools are constructed. Table 2 provides details of the water recharge interventions:

Table 2: List of schools with water conservation measures

S.No.	School Name	Recharge Structures
1	ZPHS Balaji Nagar	Recharge pit
2	MPPS Balaji Nagar	RWH structure with storage tank connected to handwashing station with 4 taps
3	MPPS Mallapur	RWH structure connected Sump
4	ZPHS Cherlapalli	RWH structure with storage tank connected to handwashing station with 5 taps

Water Quality Testing of Water Sources

S.No	Name of the School	S.No	Name of the School
1	MPPS Dammaiguda	7	ZPHS Cherlapalli
2	ZPHS Balaji Nagar	8	MPPS Pedda Cherlapalli
3	MPPS Balaji Nagar	9	ZPHS Mallapur
4	ZPHS Neredmet	10	MPUPS Thirumala Nagar
5	MPPS Neredmet	11	ZPHS Moulali
6	ZPHS Dammaiguda	12	MPPS Moulali

Table 3: List of schools where water sources are tested for quality

Conducted water quality tests for both chemical and biological parameter for bore water sources in schools (Table 3). Results are found to be safe for all the sources tested.

O&M of the Hardware structures in Schools

- 4 Toilet cleaning machines were procured to address O&M of toilets in schools. At present, schools are closed for summer. The responsible staff and child cabinet will be trained on the usage of these machines once the schools reopen in the month of June.

Key Hygiene Messages

- Key Hygiene messages along with repeated sessions are in progress in all schools to ensure and reinforce behavioural change among the students. MHM core group was formed in all the high schools and core group facilitated peer education among rest of the girls.
- In this quarter 62 hygiene sessions (including repeat sessions) were conducted across 12 schools
- 2653 students (1219 boys and 1434 girls) were reached with all the 5 key hygiene messages.
- Repeat hygiene sessions on five key hygiene messages i.e. on handwashing, handling water safely, usage of toilets, food hygiene and disposal of child faeces were given to 832 (Boys – 374, Girls – 458) students were given.



Photograph 2: School students being oriented on 6 steps of handwashing

MHM Sessions

- 29 adolescent girls and 10 teachers were trained on MHM.



Photograph 3: Capacity Building to adolescent girls on MHM

- 124 adolescent girls were trained on MHM using the snake and ladder game which educates the children on dos and don'ts at the time of menstruation.
- 385 adolescent girls across 7 schools were capacitated on MHM



Photograph 4: Snake and Ladder game



Photograph 5: Flip book on MHM

- IEC materials such as comics and other related information on Menstrual hygiene management was distributed to 7 schools – ZPHS Moulali, ZPHS Balaji Nagar, ZPHS Dammaiguda, ZPHS Mallapur, ZPHS Cherlapalli, ZPHS Neredmet, and MPUPS Tirumala Nagar



Photograph 6: Distribution of IEC material (Menstrupedia), comic book on MHM

Capacity Building to Child Cabinets and School Management Committees

- Non-functional child cabinets were revived in the intervention schools. Child cabinet members were oriented on their roles and responsibilities and guided the members to conduct the meetings on regular basis.
- A total of 408 child cabinet members including school staff (Boys – 161, Girls – 247) were oriented with the roles and responsibilities. Essay and drawing competitions on WASH were conducted among the child cabinet members.
- An exposure visit was organised to 73 (Boys – 19, Girls – 35, Male – 11 and Female - 8) child cabinet members and teachers from all TCHFL schools to rain water harvesting theme park, Jubilee Hills, Hyderabad to create awareness on the importance of water conservation.



Photograph 7: Exposure visit of Child cabinet members to Rain Water Harvesting Theme Park



Photograph 8&9: Painting competition among child cabinet members

- To a total of 163 (Male – 36 and Female - 127) SMC members of 10 schools were capacitated on their roles and responsibilities.
- An exposure visit was organised for School Management Committee (SMC) members from all TCHFL schools to Rain Water Harvesting Theme Park, Jubilee Hills, Hyderabad. 43 members visited this theme park to learn about the importance of water conservation.



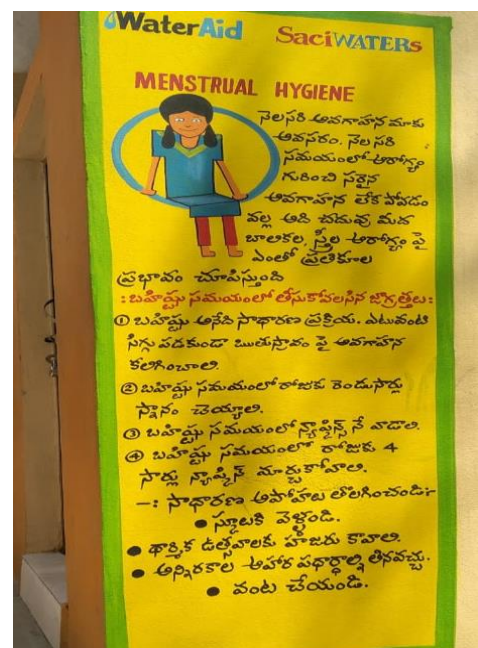
Photograph 10: Exposure visit to SMC Members to Rain Water Harvesting Theme Park

Wall Paintings

- Wall paintings on 5 key hygiene messages i.e. handwashing, handling water safely, usage of toilets, food hygiene and disposal of child faeces is completed. Messages on MHM were painted in high schools.



Photograph 11: Wall paintings on 5 key hygiene messages



Photograph 12: Wall painting on MHM

IEC & Signage Installations

- IEC posters on handwashing, toilet usage and signage boards were installed in all the 13 schools to inculcate the habit of good behaviour among the students (this was completed in the preceding quarter).



Photograph 13 & 14: Installation of IEC & signage boards

Reflection and Analysis of what has not worked, challenges faced

- An exposure visit to the 'Rain Water Harvesting Theme Park' developed by HMWSSB helped the students and SMC members understand the need for water conservation measures.
- Capacitating SMC members has resulted in them taking up active & functional role in school management issues on regular basis.

Update on Plan Vs Progress

S.No	Activity	Status
1	Preparation of DIPs/Baseline	Completed
2	IEC/BCC Materials	Completed
3	Capacity Building Trainings - SMC/Child Cabinet/Teachers	Completed
4	Hygiene awareness & orientation (MHM)	Completed
5	Hygiene awareness & orientation (5 Key hygiene messages)	Completed
6	Exposure visits (Cabinets/SMC)	Completed
7	Drinking water connections/drinking water filters	Completed
8	Roof water Harvesting Structure & source recharging	Completed
9	O&M Model Development	Toilet cleaning machines were procured. Training in progress
10	Water quality/security among the schools/kits for testing	Water Quality Testing Kits were procured and testing of water sources is in progress.