

Rajiv Nagar Higher Primary School

Vijayapura, Karnataka

Basic information

- Total student strength: 100
- Boys: 53, Girls: 47
- Teacher and non-teaching staff: 5

Before Intervention: Water and Sanitation infrastructure

- The school has one sump of ~10000L
- The school gets water supply from the Panchayat
- However that is intermittent
- Moreover, there is no presence of overhead tank (OHT) to which the water can be pumped and distributed for various uses
- Therefore, water has to be carried from the sump directly for all purposes including cooking, drinking, toilets, handwash, gardening
- Furthermore, the sanitation infrastructure like valve chamber for septic tank, the level around the septic tank, the toilet doors, taps were either missing or broken

Before Intervention: Water and Sanitation infrastructure

- There is no drinking water filter
- The handwash is absent from the campus
- Water stagnation near the toilet blocks creating unhygienic conditions
- The plumbing to the toilets was missing



Water needed to be carried: Students carrying the water in buckets for toilets



No provision of OHT, water needed to be stored in small storage containers



Urinals without appropriate drainage



Water stagnation near toilet blocks, Broken toilet door



No plumbing to the toilets

Intervention: Rainwater Harvesting with improvement in water and sanitation infrastructure

Connecting all the rooftop pipes



A filtration mechanism



Tap inside the toilets



Plumbing connection to the toilets



Tap near the sump for easy access to sump





Fixing the valve chamber



Leveling near the septic tank chamber to avoid stagnation



New toilet door



Hand wash was built with a mesh around to prevent incidences of vandalism

The hand wash water drains away into a small garden patch doubling up as water for the garden and ensuring no stagnation of water around the hand wash area





And we ensured pipes drain away any stagnant water on the floors of the toilet to the garden...helping to keep it dry....and the garden gets some water everyday.



Connected the sump to the toilet complex. An overhead tank was installed on the toilet complex and connections given to the handwash and the toilets

And it rained..the sump is full. The rainwater will be enough 2-3 days and even if the Panchayat supply doesn't come for 2-3 days, school children would not suffer.



We check the Total Dissolved Solids (TDS) of the water- It is well within the limits of prescribed drinking water standards



Words of the Principal Mr. Choori

"We spend Rs 150-Rs 300 for tankers every 10-15 days in summer. The recent showers filled up the tank as soon as our Rainwater harvesting system was built. We are so happy."

"The overhead tank was connected to the toilets directly with taps. This connection has enabled the toilets to be used more easily and readily. Supplemental water from rainwater harvesting has meant that water at least during the rainy seasons is not too much of a problem and we are using the toilets for the first time this summer after the pre-monsoon. Else water was a problem and kids had to haul up water in a bucket from the sump tank. Both these discouraged use of the toilets".