



## Rainwater Harvesting Tank - Chuundwe Primary School



### Introducing African Revival:

Our vision is **an Africa where every child has equal access to quality education** as we believe education is the key to overcoming poverty. Since 2005 we have worked with primary and nursery schools in Uganda, Zambia, and South Sudan. We don't just provide infrastructure; we empower whole communities – pupils, teachers, and parents – to transform schools into thriving learning environments that build better futures. The end goal is simple: to improve equal access to quality education.

### Overview of Project:

|  |  |
|--|--|
| <b>In Country Office</b>   | Zambia   |
| <b>Project Name</b>  | <b>Construction of RWH Tank, 75,000 litres (75 Cu.M)</b>   |
| <b>Project Location</b>  | Chuundwe Primary School, Zimba District, Southern Province   |
| <b>Historical support</b>  | AR had not worked with this school before. Our Construction Supervisor assessed need and encouraged the school to mobilize upfront materials for prospective water project.            |
| <b>Is the project located within an existing programme or new?</b> | This was a new project embedded within the Water and Sanitation programme, to provide clean and safe drinking water to the school.   |
| <b>Project Goal and Outcomes</b>                                   | <b>Project Goal:</b> Improved water supply and sanitation, retention of girls in education, and prevention of spread of diseases.<br><b>Outcome:</b> 75,000 litre RWH Tank constructed |
| <b>Target Population</b>   | 528 pupils (277 girls and 251 boys)  |
| <b>Life of Project</b>   | Under 4 Months   |
| <b>Project Budget</b>  | <b>Estimated: £7,205.46</b>  |
| <b>Funding source(s)</b>   | Wilmslow Wells For Africa and African Revival  |
| <b>Contact Person in Zambia</b>                                    | Name: Godwin Kamangala – Country Manager<br>Email: <a href="mailto:Godwin.kamangala@africanrevival.org">Godwin.kamangala@africanrevival.org</a>  |



## **Background:**

Chuundwe Primary School is in the Zimba District of Southern Zambia and is located about 38km from Zimba and 88km from Kalomo District, where the African Revival offices are situated. It serves 528 pupils (277 girls and 251 boys). The school has 8 trained teachers that are on the government payroll. It was founded in 1962 and started as a Community School with a 1x2 grass thatched classroom block.

Chuundwe is now a Primary School with 7 classrooms, 10 Ventilated Improved Pit latrines and 4 ordinary latrines. There are 4 standard teachers' houses and 3 non-standard houses built by the community. The school had no water source of its own but was subsisting on a community borehole, which is located about 300 metres away from the school. In 2012, World Vision tried drilling several boreholes in the school grounds and the surrounding community, but they were unsuccessful as the boreholes turned dry. In addition to the single borehole available in the community there is also a dam about one kilometre away.

Previously, pupils had to trek either to the community borehole or to the dam to fetch water and therefore lost a lot of learning time. Often there were long lines at the borehole, which delayed being able to collect water in good time. Furthermore, it meant that they could not fetch enough water to clean their latrines, and therefore maintaining acceptable hygiene standards was practically unattainable.

Lack of water and poor sanitation facilities in schools have a direct impact on both children and teacher absenteeism, due to ill health and other related factors. These factors contribute to poor academic performance and high dropout rates, especially among girls. Girls tend to stay at home during menstruation if they do not have proper facilities to use when at school, and consequently they lose many learning hours.

Following further consultations with the school, community, and the DEBS Office it was agreed that, because the probability of success drilling another borehole was low, the solution could be construction of a Rainwater Harvesting system. African Revival sourced funding of £7,205.46 for the project from Wilmslow Wells for Africa and AR to construct a Rainwater Harvesting Tank at Chuundwe Primary School.

## **Project Results:**

**Outputs:** Construction of a 75,000 litre Rainwater Harvesting Tank on the school grounds. School PTA Committee received maintenance training and RWHT Manual.

**Outcomes:** 528 pupils (277 girls and 251 boys) and their teachers, and families, will immediately benefit from the newly constructed tank. Pupils will no longer need to trek either to the community borehole or the dam to fetch clean water and will therefore not lose learning time.

**Impact:** Availability of water will improve hygiene standards and contribute towards reduced absenteeism. Girls will be able to attend school instead of staying at home during

menstruation. Parents will also be encouraged to enrol their children at the school because it has access to these improved facilities.

**PICTURES**



**Caption:** Our Construction Coordinator, Dave, working with the community and pupils to mark the site for the tank.





### Maintenance Training:

African Revival Construction Supervisor, Dave Sangweni, provided rainwater harvesting tank maintenance training to the school PTA – and a RWHT manual to ensure the tank is looked after and management of water is maintained.



### Budget Summary:

Unfortunately, due to high inflation in Zambia and an increase in material costs the project ran into an overspend of £1,574 – which will be funded by AR. BvA attached.

| Funding  |          |              |                    |
|--|----------|--------------|--------------------|
| Underspend from Siamoono Rainwater Harvesting Tank | £        | 903          | Allocated          |
| African Revival Summer Exhibition 2021 Gift Aid    | £        | 1,121        | Allocated          |
| Wilmslow Wells for Africa                          | £        | 5,181        | Received - Oct '21 |
| Balance of funds from '21 Ball - TBC               | £        | 1,574        |                    |
| <b>Total</b>                                       | <b>£</b> | <b>8,779</b> |                    |

**Pupils, Teachers and Parents at Chuundwe Primary School would like to thank Wilmslow Wells for Africa and African Revival for their commitment and support.**

