

A REPORT FOR THE WELL AT KIDSCARE PRIMARY SCHOOL ON 12TH SEPTEMBER 2021

- Kids care primary school is a private school with over 679 children .One of the basic need in life is water and a community with out water faces a lot of problems in the way of living .
- Water is used for drinking ,for cooking food ,washing ,cleaning the dormitories ,bathing among others .
- The school had a problem of insufficient water because it has many children ,workers at school both teaching and non teaching staff.
- U.V.C.O ev. Germany in cooperation with E.C.H.O Organization Uganda found this problem and advertised to find sponsors to donate funds for construction of a well at Kids Care Primary School.
- We were blessed to get kindhearted people who donated money for this well.
- The work of the construction started by GBK Construction Company.
- ECHO organization supervised the work at the site .

GEOLOGICAL SURVEY

- First was the geological survey that was done by the company .
- This was made to find a place with different water pathways and a place with more water that would be reliable for a long time.
- Points were made at the chosen area inside the school as advised by the Engineer from GBK Company .
- From the Engineers report ,a certain place near the classroom was found to be having more water pathways and this was demarcated and its where the well was dug .
- The water was estimated to be found in a depth of 35metres from the geological survey report.

PHOTOS SHOWING GEOLOGICAL SURVEY



CONSTRUCTION

- The construction started by clearing the site .the area was enclosed to protect children from reaching the hole .
- The workers started by digging few meters and then building the top with bricks to make the construction of the top most part easier at the end of construction.
- In 10 feet from the top was a rocky layer ,this required the company to use a machine called Electric hummer which was used to break the rocky layer.
- This was successful and reached a soil which needed local tools such as a hand hummer to dig.

PHOTOS FOR CONSTRUCTION



THE METALLIC ROLL WITH A ROPE FOR PULLING THE SOIL FROM UNDERGROUND



THE ELECTRIC HUMMER THAT WAS USED FOR BREAKING THE ROCK.



BREAKDOWN OF THE ELECTRIC HUMMER



- At the depth of 25 meters ,30 rings were inserted in the well ,to prevent collapsing soils from falling into the well and to control any accidents by the constructors.
- The rings didn't reach the top of the well because the remaining funds were not really enough to finish the remaining work such as to buy a solar system with a pump , install it and then on reaching the water at 36 meters ,the company had to dig further more to find better sources with more water ,this increased the cost and we decided to put rings up to 20metres .The chance is that there is a rock layer at near the top ,with advise from different experienced people , with the rocky layer and the 30rings inside well ,it cannot collapse.
- We found the better water sources at 45 meters and with this we can get enough water for use.
- The hole was closed with concrete to keep it safe from children .

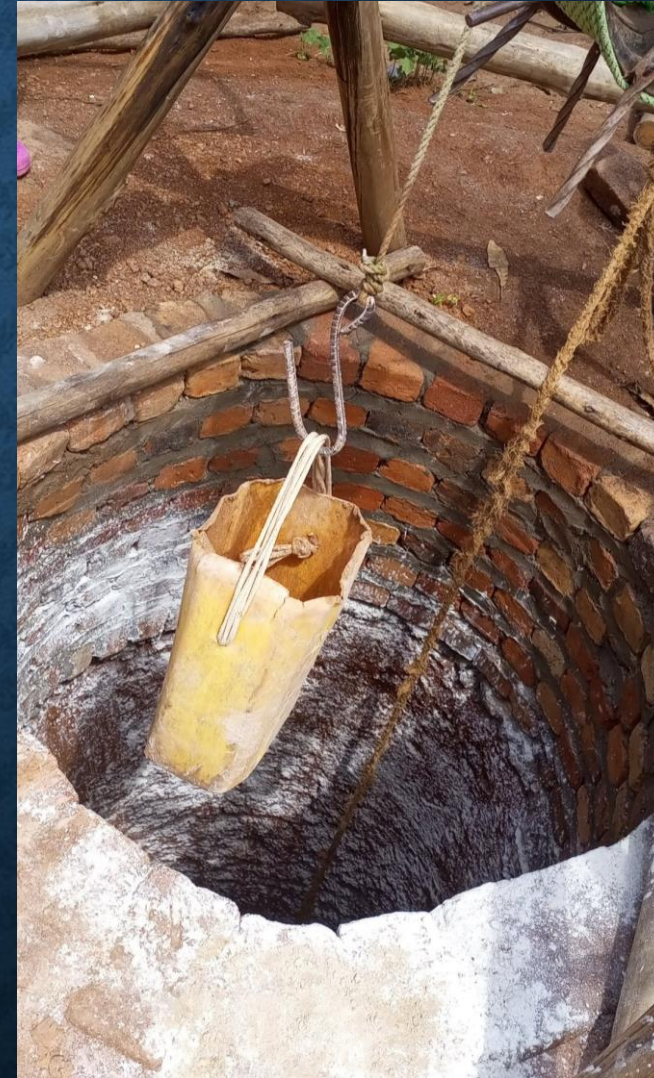
INSERTING OF RINGS IN THE WELL



FIRST WATER SIGHT



**THE WHITE SUBSTANCE IS LIME THAT WAS PUT ON
THE WALLS TO CONTROL LOSS OF OXYGEN DEEP
IN THE WELL.**



HOLE CLOSURE TO CONTROL ANY ACCIDENTS THAT WOULD OCCUR.



LAST PART OF THE PROJECT.

- The last part of the construction started :
- This involved installing the solar ,building the tank seat , putting the tank and building tap points for water collection.
- We were able to also build different water points ,four taps at the boys dormitory and four taps at the girls dormitory for easy collection of water when needed .
- Another pipe was connected from the pump direct to the tank for drinking water .

SOLAR PANEL AND PUMP



CONTROL SYSTEM AND METALLIC BOX TO KEEP IT SAFE.



WIRING



CONSTRUCTION OF THE TANK SEAT



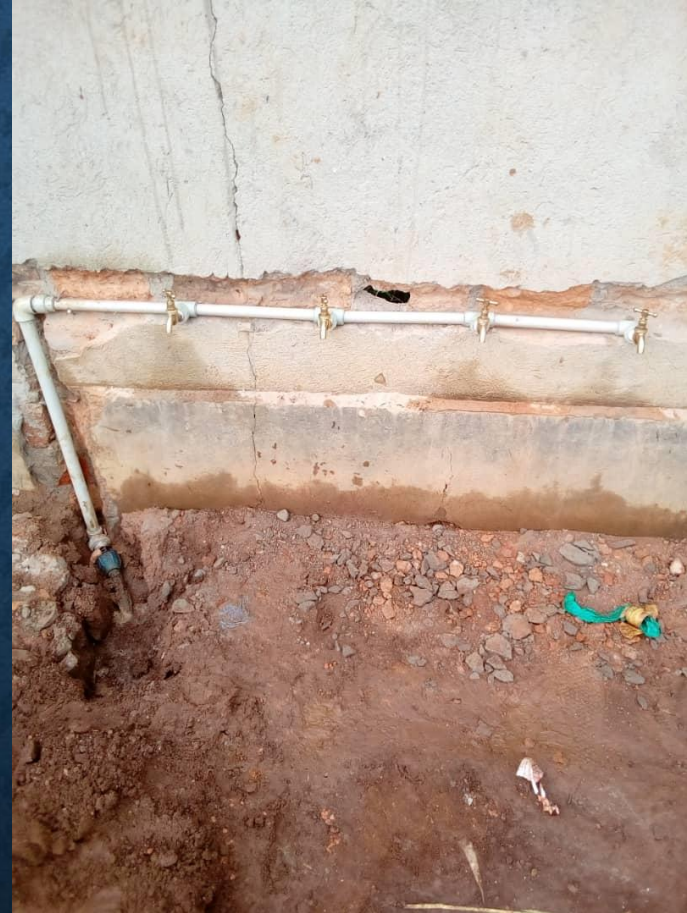
ACCOMPLISHMENT OF THE TANK SEAT



INSTALLATION OF THE TANK



WATER POINTS



**AROUND THE WATER POINTS ,TILES WERE BUILT
TO CONTROL WATER FROM WEAKENING THE
WALL WHICH COULD LEAD TO ITS FALLING.**



**THE SCHOOL DONATED THE WHITE TILES
THAT WERE PUT ON THE FLOOR.**



HOW IMPORTANT THE PROJECT IS TO THE SCHOOL AND THE COMMUNITY

- The project shall enable the school to get adequate water for drinking for all children and use for other things like bathing ,washing ,cleaning their dormitories , water for cooking at the school kitchen .
- The staff members of the school shall also benefit from the project by getting clean water always.
- The project shall also be able to supply plenty of water for the community because it is cost effective ,the school doesn't need to pay costs for electricity ,the project uses solar panels for power.

BEFORE



AFTER



CHALLENGES WITH THIS PROJECT

- Price fluctuations of different things like the solar panel ,we bought it at a different price higher than the price we knew before .
- The water was less at the depth as estimated in the geological survey report ,the organization had to incur a cost for the digging more deep to find more water sources to have a high level of water.
- Delay in the work ,this was because it was a rainy season and when its raining its not possible to continue with the digging deep.
- Mechanical break down with the machines such as the electric hummer delayed the work when it got a mechanical problem.

EXPENDITURE FOR THE WELL

Item	Quantity	Cost	total
Geological survey		1300,000	
Total			1,300,000
Excavation		4000,000	
Culverts	30	3600,000	
Hardcore,cement,iron bars ,bricks		1200,000	
Transport		1000,000	
Accomodation		330,000	
solar pump and panel		8000,000	
Total			18,130,000
<u>TANK SEAT</u>			
Bricks	2 trips	500,000	
Gravel		200,000	

SINCERE THANKS

- Our thanks goes to the following people ;

Our sponsors —MR.JOACHIM SCHUSTER

-FIRMA THAQI

-FRAUENBUND LAABER

-MR.STEFAN UND PETRA SAUTER

- All the active members of U.V.C.O ev. Germany
- Board Members U.V.C.O ev. Germany
- Board Members E.C.H.O Organization Uganda