

CATHOLIC EPARCHIAL SECRETARIAT KEREN

PROJECT PROPOSAL

Project Title: **CONSTRUCTION OF WATER RESERVOIR**

&

LATRINES FOR JUFFA KINDERGARTEN

SUBMITTED TO:

AKTIONE EIENE WELT

TUBINGEN, GERMANY



The recent visit of German partners created a spirit of joy and encouragement

FEBRUARY 2017

1 - Introduction

Geography, climate and population

Eritrea covers an area of 117 760 km² and has a coastline of over 1 000 km. It is situated in the Horn of Africa, neighboring Sudan, Ethiopia and Djibouti and bordered to the East by the Red Sea. The total cultivable area is estimated at around 1.6 million ha.

Administratively, Eritrea is divided into six *zobas*. Juffa belongs to Anseba Region. Six different major agro-ecological zones can be distinguished, with crop production being concentrated on the moist highlands and the lowlands.

2 – Juffa village and its population

It is situated in the Southern part of Keren city and mainly inhabited by a mixture of Christians and Moslems though the majority is Christians. Both religions live in harmony.

Juffa is situated within the outskirts of Keren and therefore many new comers are settling the area. For the last 10 years, over 70 families migrated from other villages and settled in Juffa zone. The number in a family, according to statistical calculations ranges from 1 – 12 and the middle average in a family goes up to 6 families. Looking into sexes, the females are higher in number. And this is because most young men are out for the National Military service and/out of their villages for a job search. Therefore the total population counts up to **12,676**

Currently the Catholic Church is providing a socio-pastoral service in:

- ✓ There is a regular health campaign and awareness program among the women
- ✓ The kindergarten is embracing both Muslim and Christian children and helping them to live in harmony.
- ✓ The Women in Juffa benefits from our women promotion program, such

The Catholic Church had already established elementary school nearby the newly kindergarten project site. While the previous kindergarten was a very simple and poorly built house and the community hired the house since they had no any place where to send their kids.

3 – Juffa Kindergarten

Thanks to Aktion Eiene Welt and its associated partners, we were able to built two beautiful tukul with one common mensa room (feeding room). This center is expected to accommodate around 25-30 kinds each. The catchment area, which will benefit from this center, are three villages: Juffa, Tsilale and

Felestaq. Since now they have more space and good opportunity, more kids are expected to join the kindergarten center. So what are the immediate shortcomings?



3.1 – Problems to be addressed - *What are the immediate needs?*

A) *Construction of water reservoir*

This is very vital and crucial! The project proposal is aimed mainly to solve the water issue at the kindergarten center only. Otherwise the whole village deserves to have access for clean water and yet this problem is not addressed. We give priority to the kindergarten center as they need water for their daily usage.

The construction of small water reservoirs is very economical and will play important role in the day-to-day running of the kindergarten. It will be built underground simply:

- ✓ To conserve the quality & quantity of water for long time as the climate is becoming very hot. The top of water reservoir will be closed tightly during the whole year and water treatment will be done regularly by the concerned bodies.
- ✓ The water captured in this reservoir will serve the community for watering the plants within the school compound (it diminishes the crop damage through drought stress), and
- ✓ Children will be able to learn how to plant trees or flowers and how to take care of it. Having water within their school compound will be taught how to plant trees and flowers as desertification is increasing tremendously in Eritrean in general and in Keren zone in particular
- ✓ There is no water pipes distributed in the village and therefore the water reservoir will be filled every month by a water tanker coming from Keren city. In the future, we had a plan to build a modern elementary school and we will be able to harvest rain water during the rainy season.

B) *Construction of latrines*

Young children have poor bowel and bladder control and cannot wait long when they have to use the toilet. Young children must be able to get to toilet

facilities quickly. Staff must have easy access to hand washing facilities to wash their hands at the times when it is appropriate and still maintain supervision of the children.

But the newly built kindergarten, though it is ready for usage, needs suitable latrines. During the break period, kids are scattering at the field for urination and that is very dangerous for their health and discipline in their growth. Thus, the construction of latrines is extremely important. By building toilets we are expected to achieve the following benefits:

- ✓ *First and foremost, kids at their early growing stage will learn the importance of hygiene (hand-washing, cleaning,*
- ✓ *Toilet rooms will have barriers that prevent entry by infants who are unattended. Kids will be supervised by sight and sound at the latrine area.*
- ✓ *Chemical toilets will not be used – we will use only either during the week-end or vacation periods or temporary basis.*
- ✓ *Toilets and hand sinks will be built as easily accessible to children and facilitate adult supervision*

4. Administration

The Catholic Eparchy of Keren and the Catholic Nuns called ‘Daughters of St. Ann’ agreed that the existing kindergarten and the future elementary school will be fully administered by the nuns. They will assume full responsibility for its daily running. Already for the past two academic years, the Sisters are covering the salaries for the teachers.

Since the Juffa zone is very arid, the children are very skinny and definitely they will need a feeding program and for this matter we built a room in between the two tukuls.

5. Cost estimation & financial breakdown

1. Water Reservoir (3mt depth * 4mt length * 4mt width) 48M3 (240 barrels)				
No.	Particulars	Qty	Unit price	Total
1.1	Digging the foundation			10,000.00
1.2	Stones + Gravel	M3		47,000.00
1.3	Cement for construction	20 quintals	3000	60,000.00
1.4	Water reservoir coverage			1,500.00
1.5	Reinforcement steel bars Ø 12	17 berga	1200	20,400.00
1.6	Reinforcement steel bars Ø 6	6 pcs	600	3,600.00
	TOTAL			142,500.00
2. Latrines = 4 small rooms = size 3*3 (internal)				
No.	Particulars	Qty	Unit price	Total
2.1	Digging the foundation for toilets			15,000.00
2.2	Stones + Gravel	M3		32,000.00

2.3	Cement bricks & construction	15 qtals	3000	45,000.00
2.4	Corrugated sheet for roof coverage	8 pcs	580	4,640.00
2.5	Eucalyptus	2 pcs	350	700.00
2.6	Perlin woods	6 pcs	580	3,480.00
2.7	Nails + tie wires	4kgs	100	400.00
2.8	Ceiling (a type of American ply wood)	4 fayzit	400	1,600.00
2.9	Doors - (.70cm)	4 pcs	2200	8,800.00
2.10	Gates for main entrance - (2.5*1.5)	2 pcs		2,500.00
2.11	* Turkish water flasher	4 pcs	1200	4,800.00
	* Toddlers for male (standing toilets)	2	3500	7,000.00
2.12	Common hand wash sink (lavandino)	4	1700	6,800.00
2.13	Tubes and accessories	Vv		3,000.00
2.14	Plastic water tanker + tubes	1	18000	18,000.00
2.15	Water	8 truck	1800	14,400.00
2.16	Fencing the compound of kindergarten			
	• 6 rolls of 30 meters each costs	6 rolls	18,000	108,000.00
	• Iron bars serving as pillars for fencing	32 pcs	1,000	32,000.00
2.17	Toilet cleaning equipment + small store			25,000.00
2.18	Contractor (masonry work)	LS		50,000.00
	TOTAL			383,120.00

Local contribution – unskilled man-power

1.1	Digging the foundation of water reservoir			10,000.00
2.1	Digging the foundation for latrines			15,000.00
	TOTAL			25,000.00

- Water reservoir estimated cost = 142,500.00
- Latrines, tanker, construction materials = 383,120.00
- Local contribution = 25,000.00
- Requested amount = 500,620.0 Nfa/EUR 20.025,00