



BILDUNGSFÖRDERUNG  
TRANSKEI e.V.

Enterprise Name : EDUCARE MPAME SOUTH AFRICA  
Registration No. : 2019/154136/08  
PBO No. : 930067232  
[www.edu-carempame.com](http://www.edu-carempame.com)  
Facebook: Edu-care Mpame

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## EDUCARE VETABLE GARDEN PROJECT

October 2022

### Background

Educare Mpame is based in the rural village of Mpame on the Wild Coast in the Eastern Cape of South Africa. It is a very beautiful but extremely poor. Employment is very scarce with maybe 20 permanent jobs available. There was a large amount of migrant labour employed at the mines, in the Gauteng, Free State and North West Province of our Country, with people coming home once or twice a year. This has now dwindled to a trickle. Most of the young men and woman are not well educated with little or no chance of employment, and most of the population survive on government grants, which is certainly not ideal.

Educare was started in February 2019 with one creche operating out of a hired rondavel in Mpame's Mdikana township. In August a second

creche was opened in Nqankanqa township at the request of Mpame late headman Mr. Sicengu.

In early 2021, Nohonest Sicengu, who became head woman after her husband past away, asked if Educare would not consider completing two partially built creches in the Mdikana and Nqankanqa townships. Both where very close to the rondavels we were hiring and there was a demand for places in the creches. Educare decided to take on the project and money was raised in Germany through Bildungsförderung Transkei to basically build two new creches. The partially build buildings where definitely partial. The new creches where completed in April 2022.

It had always been Educare's intention to develop a garden at each creche with the participation of the parents who supported the idea. The garden will supply the creches with fresh vegetables daily and the participating parents will also receive vegetables. Any extra could be sold for funding.

The intention is to grow spinach, carrots, onions, cabbage, pumpkin, marrows, green peppers, tomatoes, sweet potatoes, potatoes and bananas

The cost for fencing, installing an irrigation system, tools, a shed, seedlings and fertilizer will have to be raised. Both creches have slightly different requirements

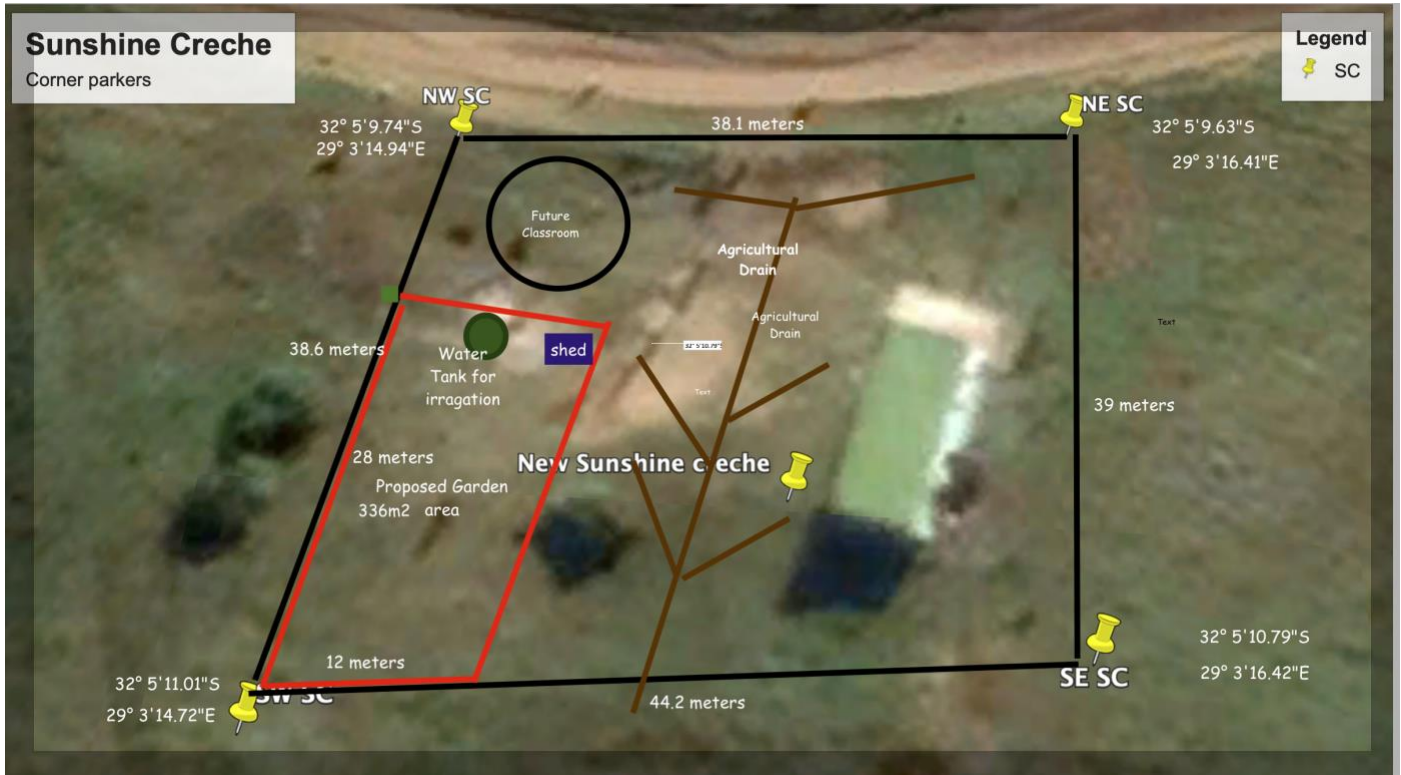
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## **Sunshine Creche**

The area for the garden is 336 m<sup>2</sup> with a perimeter of 90 meters. There is room to enlarge the area if need be. The area will need to be fenced securely to keep the livestock out particularly the goats that eat everything. There is a problem at Sunshine creche which was not know before, an that certain areas where the water does not drain off and

huge puddles remain during the rainy season. Top soil could be imported and the low areas filled in, however, 100 m<sup>3</sup> of topsoil is not readily available and the cost would be too much. The other alternative is to put in an agricultural drain with the water being captured and used in the garden.

### Proposed lay out of Vegetable garden at Sunshine Creche



Proposed vegetable garden at Sunshine creche

## Costs

The cost will be R 68193.47 as per cost schedule below

<b>EDUCARE MPAME VEGTABLE GARDEN</b>					
<b>SUNSHINE CRECHE</b>					
Item	Description	Unit	Quantity	rate	cost
<b>1</b>	<b>Fencing 1.2 high 300m</b>				
1.1	Poles 100 mm diia 2metrs	No	25	75	1875.00
1.2	Standards 1.8 meters	no	35	32.99	1154.65
1.3	Wire 240 meters	rolls	5	153	765.00
1.4	Fencing 1.2 high 80m	rolls	2	1150	2300.00
1.5	Pedestrian gate	no	1	589	589.00
1.6	Sundries	Item	1	500	500.00
1.7	Labour	Days	5	550	2750.00
	<b>Total fencing</b>				9933.65
<b>2</b>	<b>Water reticulation</b>				
2.1	25 mm HDPE pipe 100 meter roll	Rolls	1	1008.90	1008.90
2.2	20 mm HDPE pipe 100 meter roll	Rolls	1	924.60	924.60
2.3	5000 Litre tank	No	1	7121.08	7121.08
2.4	20 mm Tank outlet	no	1	14.04	14.04
2.5	Solar pump	No	1	5100.00	5100.00
2.6	20 mm PVC ball valves	no	6	19.70	118.20
2.7	25 mm Compression elbows	No	2	43.31	86.62
2.8	20 mm Compression elbows	no	3	35.40	106.19
2.9	20 mm Compression t-Piece	no	6	45.91	275.45
2.10	Inline solar pump	no	1	4500.00	4500.00
2.11	Sprinklers	no	4	130.00	520.00
2,12	20 mm Compression to 20 mm thread	no	12	19.67	235.98
2,13	20 mm Nylon nipples	no	5	35.00	175.00
2.14	20 mm Nylon sockets	no	5	35.00	175.00
2.15	25mm Compression to 25 mm thread	No	3	23.60	70.79
2.16	Labour	Days	4	550.00	2200.00
	<b>Total Water Reticulation</b>				22631.84
<b>3</b>	<b>Shed 2.5 meters by 2.5 meters</b>				
3.1	Shed	Item		10000.00	
	Labour	Days	1	550.00	
	<b>Total Tool Shed</b>				10550.00
<b>4</b>	<b>Tools</b>				
4.1	Watering can	No	2	64.99	129.98
4.2	Spade	No	2	189.00	378.00

4.3	Hose pipe 12 mm 30 meters	no	1	549.00	549.00
4.4	Hoe	No	2	130.00	260.00
4.5	Wheel barrow	No	1	929.00	929.00
4.6	Rake	No	1	119.00	119.00
4.7	Garden shares	No	1	130.00	130.00
4.8	Pitch fork	No	1	389.00	389.00
4.9	Small spade	No	2	89.00	178.00
4.10	Small Fork	No	2	90.00	180.00
4.11	Back pack sprayer	No	1	600.00	600.00
4.12	Hand Spray	no	1	300.00	300.00
	<b>Total Tools</b>				4141.98
5	<b>Fertilizer</b>				
5.1	Kraal manure	kg	300	5	1500.00
5.2	Lan %0 KG	Bags	4	989	3956.00
	Total Fertiliser				5456.00
6	<b>Seedlings</b>				
6i1	Spinach	No	30	2	60.00
6.2	Carrots	No	30	2	60.00
6.3	Onion	No	30	2	60.00
6.4	Cabbage	No	30	2	60.00
6.5	Pumpkin	No	30	2	60.00
6.6	Green pepper	No	30	2	60.00
6.7	Tomatoes	No	30	2	60.00
6.8	Sweet potatoes	No	30	2	60.00
6.9	Potatoes	No	30	2	60.00
6.10	Banana	No	5	20	100.00
6.12	Paw Paw	No	4	20	80.00
	Total Seedlings				720.00
7	<b>Agricultural Drain</b>				
7.1	Agricultural Drain Pipe 6 meters	no	12	350	4200.00
7.2	Bidem filter cloth	m2	120	10.5	1260.00
7.3	Stone	m3	10	600	6000.00
7.4	Labour	Days	6	550	3300.00
					14760.00
	<b>Summary</b>				
1	Fencing 1.2 high 300m				9933.65
2	Water reticulation				22631.84
3	Shed 2.5 meters by 2.5 meters				10550.00
4	Tools				4141.98
5	Fertilizer				5456.00
6	Seedlings				720.00
7	Agricultural Drain				14760.00
	Total Sunshine Creche				68193.47



# Little Flower Vegetable Garden

The Little Flowers vegetable garden is dividing into 2 sections, the second section was allocated by Head Woman Nohonest Sicengu as she thought the original area was too small. The only problem is there is a path running to the shop between the two sections which is in constant use. She said just close it up, which we feel is a bit unfair, so for the time being it will remain. The total areas are 500 m<sup>2</sup> with section 1 being 265m<sup>2</sup> and section 2 being 235m<sup>2</sup>. Fortunately, there is not a drainage problem at Little flower like Sunshine creche.

## Proposed lay out of Vegetable garden at Sunshine Creche





## Cost

The cost will be R54434.32 as per cost schedule below

<b>EDUCARE MPAME VEGTABLE GARDEN</b>					
<b>Little Flower Creche</b>					
Item	Description	Unit	Quantity	rate	cost
<b>1</b>	<b>Fencing 1.2 high 142 m</b>				
1.1	Poles 100 mm diia 2metrs	No	35	75	2625.00
1.2	Standards 1.8 meters	no	50	32.99	1649.50
1.3	Wire	rolls	6	153	918.00
1.4	Fencing 1.2 high 80m	rolls	2	1150	2300.00
1.5	Gate pedestrian	no	3	589	1767.00
1.6	Sundries	Item	1.5	500	750.00
1.7	Labour	Days	6	550	3300.00
	<b>Total fencing</b>				<b>13309.50</b>
<b>2</b>	<b>Water reticulation</b>				
2.1	25 mm HDPE pipe 100 meter roll	Rolls	1	1008.90	1008.90
2.2	20 mm Hdpe pipe 100 meter roll	Rolls	1	924.60	924.60
2.3	5000 litre tank	No	1	7121.08	7121.08
2.4	20 mm tank outlet	no	1	14.04	14.04
2.5	Solar pump	No	1	5100.00	5100.00
2.6	20 mm PVC ball valves	no	6	19.70	118.20

2.7	25 mm compression elbows	No	2	43.31	86.62
2.8	20 mm compression elbows	no	3	35.40	106.19
2.9	20 mm compression t Piece	no	6	45.91	275.45
2.10	inline pump	no	1	2125.00	2125.00
2.11	Sprinklers	no	4	130.00	520.00
2,12	20 mm compression to 20 mm thread	no	12	19.67	235.98
2,13	20 mm nylon nipples	no	5	35.00	175.00
2.14	20 mm nylon sockets	no	5	35.00	175.00
2.15	25mm compression to 25 mm thread	No	3	23.60	70.79
2.16	Labour	Days	4	550.00	2200.00
	<b>Total Water Reticulation</b>				20256.84
3	<b>Shed 2.5 meters by 2.5 meters</b>				
3.1	Shed	Item		10000.00	
	Labour	Days	1	550.00	
	<b>Total Tool Shed</b>				10550.00
4	<b>Tools</b>				
4.1	Watering can	No	2	64.99	129.98
4.2	Spade	No	2	189.00	378.00
4.3	Hose pipe 12 mm 30 meters	no	1	549.00	549.00
4.4	Hoe	No	2	130.00	260.00
4.5	Wheel barrow	No	1	929.00	929.00
4.6	Rake	No	1	119.00	119.00
4.7	Garden shares	No	1	130.00	130.00
4.8	Pitch fork	No	1	389.00	389.00
4.9	Small spade	No	2	89.00	178.00
4.10	Small Fork	No	2	90.00	180.00
4.11	Back pack sprayer	No	1	600.00	600.00
4.12	Hand Spray	no	1	300.00	300.00
	<b>Total Tools</b>				4141.98
5	<b>Fertilizer</b>				
5.1	Kraal manure	kg	300	5	1500.00
5.2	Lan %0 KG	Bags	4	989	3956.00
	Total Fertiliser				5456.00
6	<b>Seedlings</b>				
6i1	Spinach	No	30	2	60.00
6.2	Carrots	No	30	2	60.00
6.3	Onion	No	30	2	60.00
6.4	Cabbage	No	30	2	60.00
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6.8	Sweet potatoes	No	30	2	60.00
6.9	Potatoes	No	30	2	60.00
6.10	Banana	No	5	20	100.00
6.12	Paw Paw	No	4	20	80.00
	Total Seedlings				720.00



	<b>Summary</b>				
1	Fencing 1.2 high 142 m				13309.50
2	Water reticulation				20256.84
3	Shed 2.5 meters by 2.5 meters				10550.00
4	Tools				4141.98
5	Fertilizer				5456.00
6	Seedlings				720.00
	Total Little Flower Creche				54434.32

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At Educare Mpame we feel that this is an extremely worthwhile and sustainable project. Vegetables will be supplied to the children. The project involves the community and hopefully inspire people to plant a larger variety of vegetables and extend their own gardens. Hardly any vegetables are readily available at our spaza shops and are very expensive.

So please support this important project in any way you can.