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Tax Ref no: 18/11/13/3291  
DSD Reg No: 10/3/4/6-6161

## **HAPPY FACES PRE-SCHOOL**

**Motupa Village (near Tzaneen)**

**Bolobedu South**

**Limpopo Province**

**South Africa**

### **Building program for 2021**

#### **1. Introduction.**

Happy Faces is now eight years into its community work which provides a quality education to the Southern Sotho people of Bolobedu South. From a single class of seven children to 8 classrooms, 250 children and 23 staff. The journey is getting faster and stronger by the year. Driven by a community that has a great educational need it provides the only English media service within 8 kms. Covid has been a challenge and many private schools have gone out of business but this school has gone from strength to strength. However with a tight fiscal policy, a sacrificial commitment from the staff and parents we survived.

#### **2. Building which took place in 2020.**

Social distancing forced us to extend our office, and build two classrooms. This resulted in quality building with the minimum of outlay. This was achieved by the authors experience with smaller building projects over the years, which allowed us to work with local builders and eliminate a project manager. The roof trusses were made of steel which dramatically reduced costs and eliminated degradation problems associated with the humid climate.

The classrooms were built as and when funds became available, and performed it in four phases namely:

##### **1) Laying the slab**

- Dig the foundations outside
- Fix steel in place (12mm)
- Pour foundations

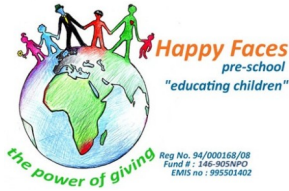


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- brick on foundations to floor level.
- lay concrete slab in bricked area.
- 2) brick up to roof height.
  - Put in all doors and windows with lintels above
  - Use brickforce every 3<sup>rd</sup> level
  - Use extra strong cement mix.
- 3) Build and install roof.
  - weld steel angle iron to make trusses.
  - install trusses
  - lay roof zincs in place
- 4) Finishing off.
  - Plaster only two walls (a brick and plastered affect gives a pleasant rustic look. Ensure electrical pipes for plugs and switches in place.
  - Install ceiling ( marine ply was used)
  - Install electrical plugs, switches and lights.
  - Tiling the floors
  - Steel security door.

### 3. **Costs for 2021 building.**

A classroom has to be built. The costs and quantities have been refined by the two classrooms which were built in 2020. The purchases have been in line with the four building phases, and the builder was also paid according to these milestones. The breakdown of the costs were from the accounting package in use. The costs for both classrooms built was averaged and this gives a more realistic figure.



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The figure columns are for classroom 1, classroom 2 and average from both classroom 1 & 2. The total in column 3 is the averaged total.

	Class1 (ZAR)	Class2 (ZAR)	Avg (ZAR)	USD
General		33395	16697	1137
Class1	5107	38543	21825	1486
Bricks	20323	10741	15532	1057
Cement	6815	9935	8375	570
Electrical	4142	4684	4413	300
Contractor	34700	38400	36550	2488
Paint/Window	900	1029	964	66
Sand	2250	12726	7488	510
Steel	34759	17535	26147	1780
Tiles	10734	10000	10367	706
Water	1200	600	900	61
Total	120930	177587	149258	10161

The total cost for a classroom is 10161-00 USD for the project which we hope to raise. A further breakdown of the costs can be made available.

Finton Cassidy  
 (Administrator/Chairperson)  
 19<sup>th</sup> March 2021