

Northern Uganda Self-Sufficiency Project (NUSSP)
Pig Farm Project Proposal
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Requested by:

Northern Uganda Self-Sufficiency Project (NUSSP)

P. O. BOX 1409,

GULU, UGANDA.

www.nussp.org

Phone (+256)-773-436-469

Project: Pig Farm

Background Information:

This visionary project was initiated by Simon Menya (minor to his ordination in 2019) after his Orthodox Christian Mission Center (OCMC) missionary trip to Guatemala in 2017 where he witnessed how Churches in Guatemala use what they have to support themselves. It became a visionary trip when he related his experience in Guatemala along with working with the local communities when he was principal of the first Orthodox secondary school funded by International Orthodox Christian Charities (IOCC) and the St. Nektarios Education Fund.

Implementing Partner:

The Northern Uganda Self-Sufficiency Project (NUSSP) receives its funding through donations that go through Lift Up Uganda, a 501 c3 organization located in Colorado. Lift Up Uganda was started in 2015 to raise funds to support Fr. Simon Menya to attend St. Vladimir's Orthodox Theological Seminary in America. Since graduating in 2019, Father Simon returned to Uganda to serve in the new Diocese of Gulu and Eastern Uganda and to initiate NUSSP. For more information about Lift Up Uganda go to www.liftupuganda.org or contact Sue Nelson at (970) 391-2690.

Description of Human Needs:

As a result of long term conflicts, Northern Uganda suffered from civil war for over twenty years. Peace came in 2008. During the conflicts, infrastructure was destroyed, Churches deteriorated, and children were abducted to be soldiers or slaves. The region struggles to recover. Some financial assistance previously came from the Orthodox Church of Greece, but that support has drastically slowed due to the financial crisis in Greece. Because of the overwhelming poverty in Northern Uganda, all priests must work multiple jobs to barely provide for their family and their parishes. It is difficult for parishioners to provide for their own families, so they have little means to support a parish.

Orthodoxy is relatively new to Uganda and there have been very limited missionary efforts in Northern Uganda. Those received into the Faith, are eager to learn more about their faith and to share what they learned. There is a desire to put their faith in action. The Orthodox communities of northern Uganda must become self-sufficient to survive and better yet, flourish. It is neither desirable nor effective to be dependent upon long-term donations from Greece, America, or elsewhere. It is contrary to the teaching of the Church to not support their own Church community. Investment should be made into productive projects that will generate income, support the parishes, and promote self-reliance.

The vision for NUSSP started under the Metropolitan Jonah of Kampala and All Uganda. The project continues to develop and grow under the guidance and leadership of His Grace Bishop Silvester Kisitu of the new Diocese of Gulu and Eastern Uganda with its starting location in the Acholinyek village. NUSSP may serve as a model for similar projects throughout the new Diocese.

Project Goals and Objectives:*Project Goal:*

Taking the first step to become financially self-sufficient through modern pig farming.

Project Objectives:

- (i.) To establish an Orthodox Community where none exists.
- (ii.) To create hope and vision for a better future.
- (iii.) To motivate more people, communities, and churches to start similar self-sustaining projects.
- (iv.) To offer individuals the ability to gain project management skills.
- (v.) To provide employment opportunities.
- (vi.) To provide agricultural opportunities.
- (vii.) To use the NUSSP board members successful pig farming expertise.
- (viii.) To provide pork meat which is a much needed protein.
- (ix.) To recycle pig waste on the farm to improve yields.
- (x.) To create a successful operation allowing other programs to be initiated.

Project Beneficiaries/Participants:*Number and Type of Targeted Beneficiaries or Participants:*

- About 50 people will directly benefit from this project through free training opportunities, ability to purchase pigs to provide food, and the ability to purchase piglets at a subsidized price for working on the project.
- Indirectly, the entire Acholinyek community and the surrounding areas will benefit from this teaching/learning initiative.
- Diocesan Orthodox Church members can learn from this first project.
- When this project thrives, it will support sister Orthodox Churches to initiate similar pig farms.

Proposed Project Activities:*Description of Activities/Implementation Plan/Timetable:*0-3 Month Tasks

- Obtain approval from the NUSSP Board. (Completed)
- Continue project funding. (In Progress)
- Visit one (1) successful existing pig farm located in the District. (Completed)
- Meet with locals to educate them about the pig farm operation.
- Identify and negotiate the most efficient transport system to be used for this project. (In Progress)
- Select the pig breed to raise. (Completed. NUSSP will raise Landrace and Large White pigs.)
- Identify the site parcel that best supports the raising of pigs and overall site usage. (Completed. The site plans are being updated to include the pig farm location.)
- Develop a pig purchasing/raising strategy to yield the highest profit. (In Progress)
- Retain a standby veterinary doctor. (In Progress)

3-6 Month Tasks

- Hire someone to live on the land and manage the pig operation.
- Provide staff housing.
- Mobilize resources to build the pens.
 - Hire inmates for pen construction, if possible. If not, the pens will be built by local community members.
 - Purchase construction material from Gulu city and bring to the site.

- Construct pigpens with a rainwater collection systems and other recommended materials.
- Purchase the pig's food and recommended medicine from Gulu city and bring to the site.
- Purchase piglets. (See Possible Pig Raising Plan)
- Bring the pigs into the pen.
- Establish criteria for program replication.

6-9 Month Tasks

- Raise the piglets.
 - Provide food, water and medications for the pigs.
- Invite District officials to check on the pigs.
- Explore communities to replicate the program.

Ongoing Tasks

- Continue the pig farming operation.
- Monitor and document the operation.
- Do an evaluation of this project every month for the first year and semiannually thereafter.

Constraints:

- The remoteness of the project site is 33 km from Gulu (the nearest large city).
- Bad roads to the site (muddy, deep potholes, bushy).
- Buying the pig's food, especially when the foods are not in the market.
- Diseases that may attack the pigs.
- No internet connection and poor cellular connection service.
- No electricity in the area.
- Lack of community modern pig farming experience.

Possible Pig Raising Plan:

- Start by raising 20 piglets.
 - 20 piglets (16 females & 4 males) would be raised and bred. The piglets will be raised for 8 months before they may become pregnant. The birthed piglets will be sold after they are weaned (4 weeks of age).
- Pens (16 pens total)
 - Eight (8) Pens (16 female piglets)
 - The 3X4 meter pens can hold at least two (2) pigs each.
 - Two (2) Pens (4 male piglets)
 - The 3X4 meter pens can hold at least two (2) pigs each.
 - Four (4) Pregnancy Pens
 - Used to separate pregnant female pigs.
 - Two (2) Isolation Pens
 - Male and female pens that are used for sick pigs.

Project Administration, Finance, Monitoring, Reporting, and Implementation Timetable:

Project Assessment, Start-Up, and Implementation:

- This project will utilize the experiences of three (3) NUSSP board members who have run successful pig projects. One NUSSP Board member is currently a university student in a Bachelor's of Science in Agri entrepreneurship and communication management.
- The NUSSP Director will provide program oversight.

- The day-to-day operation will be managed by an individual yet to be employed and trained.
- See Proposed Project Activities for an implementation timetable.

Coordination:

Agencies, Government:

As a project-oriented community designed to empower the community members, anyone within the Acholinyek community who is interested will be free to participate, learn, and intern in this initiative. The government's veterinary will be consulted for recommendations on pen construction and upon arrival of the pigs.

Project Budget:

Project Funding and Support:

The funding of this project will come from individual donors, churches and/or agencies that support the self-sufficiency initiative.

Proposed Project Expenditures:

Some of the expenses will be one-time like the construction of the pig pens, while others like feeding will be ongoing for at least 12 months. After 12 months, the project will begin to generate revenue and become self-sufficient.

Project Budget (Shillings):*Note: Amounts are in shown in 2020/2021 Ugandan shillings.*

S/N	Items	Quantity	Units	Rate	Budgeted Amount	Comments/Questions
A. PIGS						
1	Piglets	20	pigs	250,000	5,000,000	
Subtotal Pigs					5,000,000	
B. INDIGENOUS MICRO-ORGANISM (IMO) FLOOR (16 PENS)						
1	Charcoal Dust	56	bags	15,000	840,000	
2	Rice Dust	200	bags	2,000	400,000	
3	Logs	100	poles	8,000	800,000	
4	Maize Stalk	14	trips	20,000	280,000	
5	Red Soil	5	trips	40,000	200,000	
6	Animal Lime	50	kgs	2,000	100,000	
7	Water Tank	2	(400 liters)	240,000	480,000	Used for the Indigenous Micro-Organism (IMO) solution only.
8	Rice Brand	4	kgs	4,500	18,000	
9	Sugar	10	kgs	4,000	40,000	
Subtotal IMO Floor (16 Pens)					3,158,000	
C. WATER						
1	Water, Gutter, and Other Components	6	pieces	170,000	1,020,000	
2	Water Pump	1	pump	7,000,000	7,000,000	This is a pump that has an inbuilt generator and can use a pipe inserted into the river. The pump then pulls water to bring the water into the pig's house. This is especially important during the dry season when there is no rain.
3	Tanks	2	tanks	3,000,000	6,000,000	Water collection system.
4	Pipes and Plumbing Works				3,000,000	
5	Nipples	28	pieces	40,000	1,120,000	
Subtotal Water					18,140,000	
D. WALL						
1	Bush Clearing/Setting Wall	12	people		500,000	Initial workers costs. Separate from overall project labor costs. Local community members will be used.
2	Digging the Pit				1,800,000	Initial workers costs. Separate from overall project labor costs.
3	Damp Proof Course (DPC)	10	meters	4,000	40,000	
4	Bricks	12,000	pieces (10 trips)	210	2,520,000	
5	Sand	10	trips	80,000	800,000	Sand cost only.
6	Cement	120	bags	35,000	4,200,000	
7	Welded Mesh	14	trays	25,000	350,000	
8	Wheelbarrows	4	pieces	150,000	600,000	

S/N	Items	Quantity	Units	Rate	Budgeted Amount	Comments/Questions
9	Spade	6	pieces	18,000	108,000	
Subtotal Wall					10,918,000	
E. ROOFING						
1	Timbers					
1a	6x2 inches	20	pieces	35,000	700,000	
1b	4x2"	48	pieces	25,000	1,200,000	
1c	3x2"	36	pieces	25,000	900,000	
1d	4x3"	9	pieces	33,000	297,000	
2	Burnt Oil	60	liters	2,000	120,000	
3	Iron Sheets (32 gages)	66	pieces	28,000	1,848,000	
Subtotal Roofing					5,065,000	
F. NAILS						
1	6 inches	20	kgs	7,000	140,000	
2	5 inches	7	kgs	7,000	49,000	
3	4 inches	16	kgs	7,000	112,000	
4	3 inches	7	kgs	7,000	49,000	
5	1.5 inches	7	kgs	8,000	56,000	
6	Roofing Nails	10	kgs	10,000	100,000	
7	Ridges	11	pieces	12,000	132,000	
8	Hook Iron	3	rolls	50,000	150,000	
Subtotal Nails					788,000	
G. OTHER EXPENSES						
1	New Empty Jerricans	30	jerricans	10,000	300,000	These jerrican will be used to bring water from the river to the pig's house construction site. The jerrican can be used later to keep IOM mixers.
2	Tapuline (Feed Mixers)	2	pieces	100,000	200,000	
3	Rakes	4	pieces	20,000	80,000	
4	Hoes	5	pieces	20,000	100,000	
5	Gumboots	6	pieces	25,000	150,000	
6	Axes	3	pieces	25,000	75,000	
7	Weighing Scale	1	scale	200,000	200,000	
*8	Pig's Medicine				870,000	This includes medicine that must be available to the pigs regularly, like deworming medicine or multivitamins.

S/N	Items	Quantity	Units	Rate	Budgeted Amount	Comments/Questions
*9	Feeding	12	months		11,520,000	Maize brand pig's feed for 12 months. Each kg at 800/=. Each pig eats 2kg a day. 20 pigs will then eat 40kgs per day X 30 days (one month) = 1,200kg/month 1,200kg by 12 months = 14,400kgs. 14,400kgs X 800 = 11,520,000. Later, we can start to mix the pig's food with things like red salt, bones, silverfish, boosters, etc.
*10	Pig Keeper Salary	12	months	250,000	3,000,000	Pig Keeper should have a certificate or diploma.
11	Pig Keeper Housing/Storerroom				18,000,000	
Subtotal Other Expenses					34,495,000	
PROJECT TOTAL					77,564,000	
LABOR COSTS (30% of the materials costs/Pig Keeper Housing/Storerroom minus other expenses and piglet/pig price 58,069,000)					16,820,700	
TRANSPORT					4,500,000	Includes bringing materials from Gulu City to site. Calculated according to distance, type of material to transport, cost of fuel, and vehicle needed.
CONTINGENCY					3,000,000	
GRAND TOTAL					101,884,700	

Monthly Work Plan:

Note: Amounts are in shown in 2020/2021 Ugandan shillings and U.S. dollars. An exchange rate of 0.000274 USD (US Dollars) = 1 UGX (Ugandan Shilling) was used to calculate this work plan.

Item	Income/Expenses		Comments
	Ugandan Shillings	USD	
Startup Costs/First Nine Months			
Includes all one-time costs, pigs and first 12 months of expenses.	101,884,700	27,916	
Total Startup Costs/First 12 Months Per Month	8,490,392	2,326	
Monthly Expenses (Month 13 and Beyond)			
Pig's Medicine	72,500	20	
Feeding	960,000	263	
Pig Keeper Salary	250,000	69	
Miscellaneous (20% of monthly expenses)	256,500	70	
Total Monthly Expenses	1,539,000	422	
Year 2 + Income			
			8 piglets X 16 females = 128 piglets per delivery. 2 deliveries per year or 256 piglets per year.
			It's estimated that 10% (26) of piglets will be sold at a discounted rate of 150,000 each or given away to community members who help with the project. (150,000 is the lowest price in the area for a piglet. This was used to help support the community at an affordable price.) As these piglets may be given to the community, this number is not included in the possible pig income calculated here.
			90% (230) piglets will be sold at 225,000 each.
			Note: This is an estimate for how the pigs may be sold. The final decision is being reviewed by the NUSSP board.
Two Deliveries	51,750,000	14,180	
Total Year 2+ Income/Month	4,312,500	1,182	
Profit/Loss Per Month	2,773,500	760	

36-Month Balance Projections:

Note: Amounts are in shown in 2020/2021 Ugandan shillings.

In order to provide for a successful project. It's anticipated that all start-up costs and one-year of expenses will be fundraised and provided for the project. Profits from the pig project will be reinvested in future NUSSP projects.

36-Month Balance (Start-Up Costs Not Provided)				36-Month Balance (Start-Up Costs Provided)			
Months	Income	Expenses	Balance	Months	Income	Expenses	Balance
1	0	8,490,392	(8,490,392)	1	0	0	0
2	0	8,490,392	(16,980,783)	2	0	0	0
3	0	8,490,392	(25,471,175)	3	0	0	0
4	0	8,490,392	(33,961,567)	4	0	0	0
5	0	8,490,392	(42,451,958)	5	0	0	0
6	0	8,490,392	(50,942,350)	6	0	0	0
7	0	8,490,392	(59,432,742)	7	0	0	0
8	0	8,490,392	(67,923,133)	8	0	0	0
9	0	8,490,392	(76,413,525)	9	0	0	0
10	0	8,490,392	(84,903,917)	10	0	0	0
11	0	8,490,392	(93,394,308)	11	0	0	0
12	0	8,490,392	(101,884,700)	12	0	0	0
13	25,875,000	1,539,000	(77,548,700)	13	25,875,000	1,539,000	24,336,000
14	0	1,539,000	(79,087,700)	14	0	1,539,000	22,797,000
15	0	1,539,000	(80,626,700)	15	0	1,539,000	21,258,000
16	0	1,539,000	(82,165,700)	16	0	1,539,000	19,719,000
17	0	1,539,000	(83,704,700)	17	0	1,539,000	18,180,000
18	0	1,539,000	(85,243,700)	18	0	1,539,000	16,641,000
19	25,875,000	1,539,000	(60,907,700)	19	25,875,000	1,539,000	40,977,000
20	0	1,539,000	(62,446,700)	20	0	1,539,000	39,438,000
21	0	1,539,000	(63,985,700)	21	0	1,539,000	37,899,000
22	0	1,539,000	(65,524,700)	22	0	1,539,000	36,360,000
23	0	1,539,000	(67,063,700)	23	0	1,539,000	34,821,000
24	0	1,539,000	(68,602,700)	24	0	1,539,000	33,282,000
25	25,875,000	1,539,000	(44,266,700)	25	25,875,000	1,539,000	57,618,000
26	0	1,539,000	(45,805,700)	26	0	1,539,000	56,079,000
27	0	1,539,000	(47,344,700)	27	0	1,539,000	54,540,000
28	0	1,539,000	(48,883,700)	28	0	1,539,000	53,001,000
29	0	1,539,000	(50,422,700)	29	0	1,539,000	51,462,000
30	0	1,539,000	(51,961,700)	30	0	1,539,000	49,923,000
31	25,875,000	1,539,000	(27,625,700)	31	25,875,000	1,539,000	74,259,000
32	0	1,539,000	(29,164,700)	32	0	1,539,000	72,720,000
33	0	1,539,000	(30,703,700)	33	0	1,539,000	71,181,000
34	0	1,539,000	(32,242,700)	34	0	1,539,000	69,642,000
35	0	1,539,000	(33,781,700)	35	0	1,539,000	68,103,000
36	0	1,539,000	(35,320,700)	36	0	1,539,000	66,564,000