

Solar Pump Budget

The following prices are of things that we are more or less sure of. I list the items that we are still trying to confirm prices of below the itemised breakdown.

1. Electrical wiring- 40 meters submersible cable-	KSH 14,000
2. Pipes- 32mm x 700 meters + 25mm x 700 meters-	KSH 77,000
3. Pipe fittings (couplings, elbows, T junctions)-	KSH 8,628
4. Ball valve, taps, gate valves and GI fittings-	KSH 12,900
5. Cement for concrete for cattle trough and solar and tank stands(40 bags)-	KSH 24,000
6. Plywood for building the formwork of the cattle trough(14 pieces)	KSH 7,000
7. Concrete culverts 2 with holes and 4 without holes	KSH 45,000
8. Hiring a big lorry to transport culverts and cement and supplies	KSH 40,000
9. Labour for digging the 670 meter trench to bury the pipes	KSH 33,500
10. Solar Panels 250 Watts x 4-	KSH 80,000
11. Solar Pump-	KSH188,000
12. 10 000 litre water tank	KSH 80,000
TOTAL	<u>KSH610,028</u>

We still need to establish the price of the following:

1. The amount the team of well diggers will charge to dig the well. They have the right equipment such as a manual cable winch to lower the heavy culverts into the well.
2. The price and location of building sand and aggregate. The aggregate will be made on site like people did at the school. We will pay KSH 150 per wheelbarrow but I need to work out how much we need. We will carry stones to the site with the Land Rover and trailer.
3. Cost and number of metal beams for tank stand and the solar panel stand.
4. Tall foldable aluminium ladder.
5. Extra labour for the other work. Still trying to figure out how many hands we need. In January we will take some of our own staff to do some of the preparation work.
6. Fuel cost of sending two vehicles and the trailer to the Mara to start the preparation work and the digging.
7. Cost of food for the Walking with Maasai team to go and stay at the Mara camp and get the work started.
8. Cost of going to Nairobi to collect all the pipes with our vehicles.