TGUP Project Summary

Water Tank and Pump

Mbuluyenji Primary School, Zambia







TGUP and the Gohel family and friends have completed a new set of classrooms and latrines for the Mbuluyenji Primary School in Mambwe, Zambia. It is a major upgrade of the prior school which was both too small and decrepit.

The three classrooms and four latrine stalls provide an unequaled learning environment to the school's 436 students (252 girls, 184 boys). See a comprehensive Photo Gallery of that phase of the project by clicking here.

That being done, the school's water supply is unreliable, imposing continuous hardship on the school. This next phase of the project will build a new 5,000-liter water tank connected to an existing borehole. The tank will ensure reliability of delivery for the school population.

The water will be delivered to faucets at the classroom building for use by the students and staff. A submersible pump will provide a consistent supply of water that will be stored in the new water tank.

The entire project costs $4,168 including all the labor, materials, project management and reporting, and contingency fees. Click here to donate.

The project will be carried out by TGUP's partner in Zambia, Project Luangwa. This partner is the same one that managed the prior construction projects at Mbuluyenji Primary.

Ebenezer Shine
General dealers

Dealers in Building and Housing
Cell No+260971971478/0969704880
E-Mail;mbaokachima@gmail.com
P.O. Box 60, Mfuwe Cropping, Mambwe

QUOTE FOR A WATER TANK AND STAND AS WELL AS WATER CONNECTION

AT MBULUYENJI COMMUNITY SCHOOL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
A	**Tank stand material needed are as follows**				
	50x50x5mm Angle line	no	5	530	2,650.00
	40x40x5mm Angle line	no	15	440	6,600.00
	30x30x3mm Angle line	no	3	175	525.00
	cutting disc	no	5	65	975.00
	Welding rod box	no	2	200	400.00
	60x60x5mm Angle line	no	1	630	630.00
	Grey oxide 5l	no	1	430	430.00
	Thinners 5l	no	1	350	350.00
	2" painting brush	no	3	20	60.00
					12,620.00
B	**Erection of tank stand**				
	Cement	no	4	195	780.00
	River sand	ton	1	400	400.00
	Crushed stones	ton	1	500	500.00
	Rope	roll	1	320	320.00
	Water tank 5000ltrs kiboko	no	1	7700	7,700.00
					9,700.00
C	**Submersible pump intsallation**	no			
	Submersible pump 1hs power zat type	no	1	5500	5,500.00
	3core cable	roll	1	5050	5,050.00
	borehole cover	no	1	255	255.00
	20amps	no	1	1	55.00
					10,860.00
D	**Connecting poly pipe to water tank and putting garden taps**				
	Polypipe 40mm	roll	1	1900	1,900.00
	Gate valve 40mm	no	3	180	540.00
	Garden tap 3/4 with stand	no	4	265	1,060.00
	Poly Adaptor 40mm	no	4	65	260.00
	Elbows 3/4	no	10	70	700.00
	Thread tape big	no	4	25	100.00
	T joint 40mm poly	no	5	80	400.00
	anksaw blade	no	1	20	20.00
					4,980.00
				material cost	**38,160.00**
	Transport for materials 5%				1,908.00
	Contingency 3%				1,144.80
	Labour 35%				14,023.80
	Fuel				2,765.53
	Project Luangwa contingency fee 10%				5,872.15
	Community contribution				(1,000.00)
	Project management & reporting				12,974.86
				TOTAL	**75,849.14**