



## AGRICULTURAL RESEARCH COUNCIL

Specifications for the supply and delivery of construction materials for 6 cubic meter biogas digester for 10 households in Gunjaneni village, Umkhanyakude District Municipality, KZN.

DESCRIPTION		QTY	UNIT	AMOUNT (EX. VAT)
1.	<b>MATERIALS FOR DIGESTER CHAMBER</b>			
	Bricks (220 x 110 x70) (clay)	20 000	Bricks	
	42.5 N Cement (50 kg)	500	Bags	
	Coarse sand (river sand) (m <sup>3</sup> ) NB: May <b>not</b> be replaced with crusher dust!	40	m <sup>3</sup>	
	Fine sand (plaster sand) (m <sup>3</sup> )	40	m <sup>3</sup>	
	Underground PVC- 110 mm diameter pipe (6m length). SABS approved	5	Each	
	2.5 mm binding wire ( 5 kg)	1	Each	
	Black plastic sheeting 250 micron (3m x 30m roll) SABS approved	10	Rolls	
	<b>SUB-TOTAL FOR 1</b>			
2.	<b>MATERIALS FOR CONCRETE SLAB COVERS</b>			
	6 mm x 6 m round bar	10	Each	
	Reinforce mesh sheet (6 m x 2.4 m 5.6 mm)	10	Sheets	
	<b>SUB-TOTAL FOR 2</b>			
3.	<b>GAS PIPELINE CONNECTION</b>			
	Galvanized standpipe 20mm x 300mm (threaded ends, must be thick to allow for welding)	10	Each	
	20 mm galvanized nipple barrel	20	Each	
	20x20x20 mm galvanized tee	10	Each	
	Brass ball valve lever 20 mm	20	Each	








	PVC ball valve (20 mm diameter)	10	Each	
	15 mm diameter HDPE pipe (100m roll)	1	Rolls	
	20 mm diameter HDPE pipe (100m roll)	10	Rolls	
	20 mm compression elbow	20	Each	
	20 x 20mm compression female elbow	10	Each	
	HDPE male coupler 20mm x 3/4	10	Each	
	HDPE male tee 20mm x 3/4	10	Each	
	<b>SUB-TOTAL FOR 3</b>			
4.	<b>DELIVERY CHARGES</b>			
	<p>Transport and delivery of materials to project <b>10 sites within a 5 km radius</b> of Gunjaneni Clinic, Gunjaneni Village, Mtubatuba Local Municipality, Umkhanyakude District Municipality .</p> <p>GPS co-ordinates  S: -28.244194075936168  E : 32.08814993069292</p>	1	Each	

Table 2: Summary of prices

<b>RFQ SUMMARY OF PRICES</b>		
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>TOTAL AMOUNT (R)</b>
<b>1</b>	<b>SUB-TOTAL DIGESTER CHAMBER MATERIALS</b>	
<b>2</b>	<b>SUB-TOTAL MATERIALS FOR CONCRETE SLAB COVERS</b>	
<b>3</b>	<b>SUB-TOTAL GAS PIPELINE CONNECTION</b>	
<b>4</b>	<b>SUB-TOTAL DELIVERY OF MATERIALS TO SITE</b>	
	<b>TOTAL (1 – 4)</b>	
	<b>PLUS VAT 15 % (if VAT registered)</b>	
	<b>GRAND TOTAL</b>	