

Climate change mitigation and adaptation: upscaling of biogas production in an integrated crop crop-livestock system in rural areas



Supply and delivery of rainwater harvesting system components to Eastern Cape project Site.

ANNEXURE A: BILL OF QUANTITIES

The materials and services to be supplied are summarised in Table 1.

Table 1: Bill of Quantities (Please fill in every line items)

ITEM	DESCRIPTION	UNIT	QTY	UNIT PRICE (R)	SUPPLIERS
1.1.	GUTTER SYSTEM COMPONENTS				
1.1.1	Gutter system components (Domestic gutters)				
a	125 mm white U- PVC gutter (D-shape /Vynadeep)	6 m	120		
b	PVC gutter end cap (D-shape/ Vynadeep)	Each	50		
c	Gutter bracket with screws D-shape/Vynadeep	Each	400		
d	Gutter connectors (UPVC gutter union clip) D-shape/Vynadeep	Each	100		
e	90 ° internal gutter angle	Each	30		
f	90 °external gutter angle	Each	30		

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	g	Gutter drop (gutter outlet)	Each	30		
	h	80mm T piece/gutter round down pipe junction 90°	Each	14		
	I	110° Swan neck ends pair – white	Each	24		
1.1.2		Downsprout (gutter down pipe)				
	a	Socketed uPVC round downpipe (round downsprout)	3m	60		
	b	Downsprout bracket with screws @ 1 m spacing (downsprout strap)	Each	50		
		Sub-total for 1.1: Gutter system components				
1.2		WATER STORAGE TANKS				
	a	5 000 L, vertical plastic storage tank (round Jojo Tank or similar) @ 1 per household including overflow pipe	Each	6		
	b	5 000L Jojo tank filter screen (for top of tank)	Each	6		
	c	Metal tap	Each	6		
	d	Storage tank shut off ball valve	Each	6		
	e	40 to 20 mm reducer	Each	10		
	f	20 mm T-connector	Each	10		
	g	20 mm hose clamps	Each	50		
		Sub-total for 1.2: Water Storage Tanks				
1.3		WATER STORAGE TANK STANDS:				
ITEM	DESCRIPTION	UNIT	QTY	UNIT PRICE (R)	TOTAL COST (R)	
a	Cement bricks (220 x 110 x 70)	Each	2 000			
b	42.5 N All-purpose cement for mortar	50 kg bag	60			
c	22 mm concrete stone for 25 Mpa concrete slab	m³	6			

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	Sub-total for 1.3: Water storage tank stands				
1.4	DELIVERY CHARGES				
	Transport and delivery of materials to site Delivery address: Transport and delivery of materials to Mbange village, which falls under Ngqeleni, OR Tambo District, Eastern Cape, South Africa Co-ordinates:- S 31.68303 E0 28.98544	Each	1		

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Table 2: RFQ Summary of prices

RFQ SUMMARY OF PRICES		
ITEM	DESCRIPTION	TOTAL AMOUNT (R)
1.1	SUB-TOTAL GUTTER SYSTEM COMPONENTS	
1.2	SUB-TOTAL WATER STORAGE TANKS	
1.3	SUB-TOTAL WATER STORAGE TANK STANDS:	
1.4	SUB-TOTAL DELIVERY OF MATERIALS TO SITE	
	TOTAL (1.1 – 1.4)	
	PLUS VAT 15 % (if VAT registered)	
	GRAND TOTAL	

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