

**MATERIAL QUANTITY / COST ESTIMATE FOR THE CONSTRUCTION OF A
RE-CYCLING TANK SHED**

S/N	DESCRIPTION	UNIT	Q'TY
A PRELIMINARY			
1	Mobilization and demobilization.	Ls	1
B EARTH WORKS			
1	Excavation of foundation trenches 80 x 80 x 90cm as per the plan	m3	3.5
C BLOCK WORKS / CONCRETING 350kg/m3			
1	Lay mass concrete (1:3:6 mix) blinding 5cm thick	m3	0.2
2	Lay reinforced concrete (1:2:4 mix) footing using \varnothing 10mm steel rods single mat at 20cm c/c; inclusive of all form works and accessories (see detail drawing)	m3	0.8
3	Cast reinforced concrete (1:2:4 mix) column using 4No \varnothing 10mm and \varnothing 6mm stirrup at 20cm c/c; inclusive of all form works and accessories (see detail drawing)	m3	0.5
D STEEL WORKS / ROOFING			
1	IPE 140 L. 12m for stanchions, rafters and attach frame to carry rafter ends	No	4
2	IPE 80 L. 12m for purlins	No	13
3	15mm thick x 2m x 1m steel plate for stanchion base and gusset plates	No	1
4	4mm thick x 2m x 1m steel plate for purlin cleats	No	0.5
5	\varnothing 20mm x50cm rag bolt for stanchion base	No	24
6	\varnothing 16 x 45mm bolt/nut to bolt purlin to cleats	No	36
7	\varnothing 8 x 45mm bolt/nut for purlin cleats	No	26
8	Oxygene gaz	Btl.	2
9	Acetylene gaz	Btl.	1
10	Grindung disc	No	1
11	\varnothing 3.5mm electrode (SAF)	Pkt	5
12	6/10 gauge aluminium tole bac L. 13m	No	14
13	\varnothing 8mm x 50cm crochette	No	400
14	Roofing felt	Pkt	2
15	Washer	Pkt	4
16	Anti rust paint 5kg	Tin	1
17	Aluminium paint 5kg	Tin	1
18	White spirit	Lt	2
19	Rolling brush	No	2
20	4" painting brush	No	2
Material cost			
21	Provision for labour and overhead 25% of steel works and roofing	Ls	1

SUMMARY

S/N	DESCRIPTION	
A	PRELIMINARY	
B	EARTH WORKS	
C	CONCRETE WORKS	
D	STEEL WORKS AND ROOFING	
	TOTAL	

PREPARED BY: _____

VERIFIED BY: _____