

Total mass of Structure = 28330 kg.  
 Total mass of Structure plus counter weight = 28330 kg + 45400 kg =  
 74 Tonne (Approx)  
 Total Bearing Surface: 18 m<sup>2</sup>

Density of Storable Product = 1.4 Tonne / m<sup>3</sup>



Total mass of stored product = 360 Tonne (Approx)

Total Mass (Full Capacity): 72 Tonne + 360 Tonne = 432 Tonnes  
 Total Bearing Pressure: 432 T / 18 m<sup>2</sup> =  
 24 T/m<sup>2</sup> Equal with 0.24 Mpa (Approx)

Total Mass for Half Capacity of Tanks;  
 180 Tonne + 72 Tonne = 252 Tonne

Total Bearing Pressure; 252 Tonne / 18 m<sup>2</sup> = 14 T/m<sup>2</sup> or 0.14 Mpa

ITEM	QTY	DESCRIPTION	MASS
1	1	Tank Base L/H	3320 kg
2	1	Tank Base R/H	3315 kg
3	2	S.S. Vessel 68 m/3	5505 kg
4	2	Outlet Pipe DN150	94 kg
5a,b	1	Outlet Pipe DN150	100 kg
6	2	S.S. Vessel 61 m/3	4860 kg
7	6	Concrete C/W Standard	4666 kg
8	4	Concrete C/W Notched	4342 kg
9	2	Pivot Pins	3 kg
10	2	Silo outlet pipe half assy	236 kg
11	1	Gate Valve DN200	2 kg
12	1	Silo inlet pipe half assy	136 kg
13	1	Silo inlet pipe half assy 2	135 kg
14	4	Gatevalve DN150	1.5 kg
15	5	Gatevalve DN100	1 kg

 <b>AVOPILING</b> Foundation Specialists (02) 84671300 (07) 38971000 <a href="http://www.avopiling.com.au">www.avopiling.com.au</a>	 <b>rock solid.</b>	Drawn by; A. Ataabady	Checked by TIM SCHLEBAUM	Approved by - date	Date; 19/08/2011	Drawing No; 2011/0000/321	
		Project No; 0000	Contract No;	Scale; As noted.	REVISION; REV 0	Sheet;	This Drawing remains the property of Avopiling P/L and should not be copied without the written permission of the owner.
		Project; Kooragang			Description; Bentonite Storage Tanks (Bearing pressure) Reference from drawing No APDWB-T-001		