



# WATER HARVESTING CALCULATIONS (L):

$$\pi(0.85)^2 \times H (4.7 \text{ M}) \times 7.48$$

(number of gallons in cubic foot)  
x Number of towers (4)

$$= 80 \text{ L} \times 4 = 320 \text{ L}$$

$$\pi(0.62)^2 \times H (3 \text{ M}) \times 7.48$$

(number of gallons in cubic foot)  
x Number of towers (8)

$$= 27 \text{ L} \times 8 = 216 \text{ L}$$

$$\pi(0.35)^2 \times H (1.7 \text{ M}) \times 7.48$$

(number of gallons in cubic foot)  
x Number of towers (8)

$$= 5 \text{ L} \times 8 = 40 \text{ L}$$
$$= 576 \text{ L} \times 365 \text{ DAYS OF THE YEAR}$$
$$= 210,240 \text{ L}$$

