Potential Rain Water Harvesting

❖ **Formula:**

Rain water harvesting potential = Average Annual Rainfall x Area of catchment x Runoff coefficient

Average Annual Rainfall: 600 mm (Palus Taluka)
= 0.6000 m (1000mm=1M)
Run-off coefficient = 0.85(For Concrete or Metal Rooftop)

1. B-Wing : 541.69 Sq. mtr.
    Rain water harvesting potential = Rainfall x Area of catchment x Runoff coefficient
    = 0.6000 X 541.69 X 0.85 cu mtr.
    = 276.26 cu. mtr.
    = 2,76,260 litres

2. C-Wing: 600.30 Sq. mtr.
    Rain water harvesting potential = Rainfall x Area of catchment x Runoff coefficient
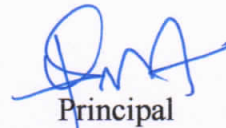   = 0.6000 X 600.30 X 0.85 cu. mtr.
    = 306.15 cu. Mtr.
    = 3,06,153 litres

Total Potential Rainwater Harvesting

Building	Potential Rainwater Harvesting (In Litres)
B-Wing	2,76,260
C-Wing	3,06,153
Total	**5,82,413**

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