

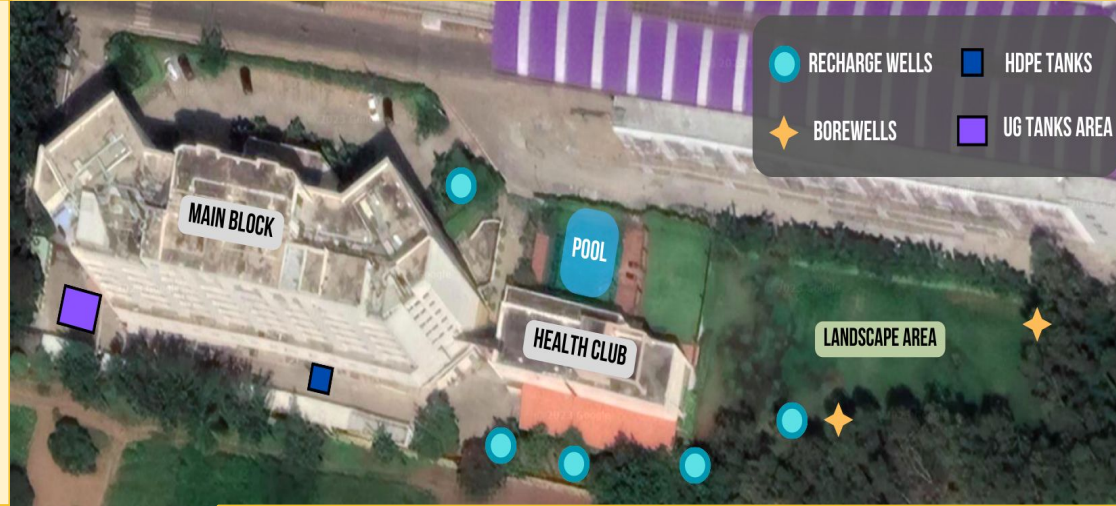
Hotel Fortune Select Trinity - Efforts towards water security (total area: 2.59 acres, no. of rooms: 142, no. of toilets: 154)

Issues

- The hotel depends on tanker water - 6-7 tankers per day of around 10 KL each - total tanker water quantity: **21900 KL/annum**; cost: **₹12 lakhs/annum**.
- Two borewells (350 feet and 75 feet) have run dry and become dysfunctional

Solutions implemented

- Rooftop rainwater harvesting for storage and usage from the main block of the hotel has been implemented
- Five recharge wells have been dug to capture surface runoff and rooftop rainwater from health club building
- Water saving plumbing fixtures like aerators and low-flow showerheads have been installed at all water outlets
- Kitchen is equipped with dishwashers to reduce water usage
- Open well has been dug



Rainwater harvesting potential and implementation

- Rainwater can be harvested from rooftops of the main building, health club, entrance porch and the southern balcony; and surface runoff from the driveway and the landscaped area
- Overall rainwater harvesting potential is **5350 KL** per annum
- Out of this, **1272 KL** from the main block is being stored and used from the main block. The rest of the harvested water is sent for groundwater recharge.

Outcome so far

No. of tankers ordered per day has reduced to 5-6 - a reduction of about 365 tankers per year. Reduction in tanker water quantity: **3650 KL/annum**; Savings: **₹2 lakhs/annum**

Future plans

To utilise the shallow aquifer water from the open well after testing for quality and quantity to aid in water security.