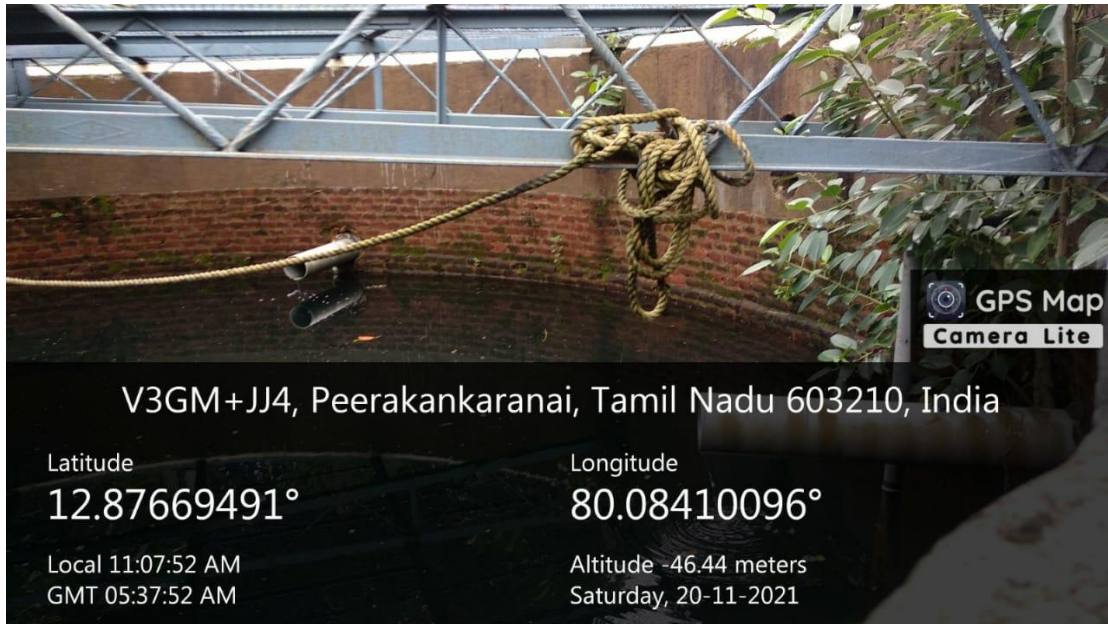


**6.5.4 a - Water extracted (for example, from aquifers, lakes, or rivers) and utilise sustainable water extraction technologies on associated university grounds on and off-campus
(Initiatives of the Institution)**

Initiatives of the Institution

B.S.Abdur Rahman Crescent Institute of Science and Technology takes initiatives to maintain sustainability in several aspects such as water reuse, water conservation, rainwater harvesting, implementing sustainable technologies for water and wastewater treatment etc. One of the major source of water supply for the Institute is from well. Sufficient care is taken that the water is drawn from the well at a constant phase and it is not over exploited. It is also ensured that the motors and other pipe appertunances are in proper function so that the loss of water during extraction is prevented.

As a sustainable approach, the rainwater harvesting pipelines collecting rain water from the Mens Hostel is being redirected to the one of the wells in the Campus. The rainwater collection pipe discharging rainwater into the well is shown in the figure below. This would serve as a sustainable method to recharge the ground water and it would also reduce the burden of the well for the water supply. Hence the rain water can also be harvested and effectively utilised



RECHARGE OF GROUND WATER BY RAINWATER HARVESTING

The solar panels are also fixed on the surface of the wells in order to capture the energy from the sunlight. It is further utilized for supplying power to the motors used for extracting water from the well. The Solar powered pumping system is also an approach aiming towards sustainability



SOLAR POWERED PUMPING SYSTEM