



Plantation drives have been a regular feature at NISER permanent campus being constructed at Jatni. Every year while celebrating the significant days such as: Republic Day, Independence Day and NISER Foundation Day, the staff, students and faculty members of NISER participate in the go-green drive sending out a message to the stakeholders and public at large to care for and preserve our immediate environment. Thousands of saplings have been planted and various other plantation drives are

being taken up from time to time with a target to make the campus as one of the greenest campus in India. This was the pledge taken after the NISER was officially dedicated to Nation by Honorable Prime Minister, Shri Narendra Modi on 7th February 2016. The campus has been shifted to its permanent campus on 1st July, 2015 after which the works department is very much actively participating the needs of its end users i.e. staff, faculties and residents.



Rain water harvesting structures like ground water recharging pits and ponds in the Jatni campus of NISER. The water to the campus is filled in the water tank placed at the hill top from where the water is filled to the respective water tanks at the multi storied buildings through gravity which is economical as far as the expenditure with regards to keeping a pump and its operation and consumption of diesel etc. The Sewage Treatment Plant (STP) is in

place. The treated water from the STP can be used for arboriculture and landscaping.

Recently, the thermoplastic marking on road was done within scheduled date and the kerb stone painting and marking done. In order to arrest the soil slipping out during rain, kerb walls in left over portion taken up and completed. This enhances the scenic beauty of the campus also the numbering of all residential quarters done.



Some of the salient features of this project are:

Water harvesting is fully ensured by recharging of ponds in the campus by rain water and ground water recharging pits. STP and ETP are provided to make use of waste water. Separate flushing tank is provided, so that STP treated water can be used in flushing. To ensure minimum water utilisation dual flushing system is provided.

Proper utilisation of day light to conserve electricity by providing glass window and Polycarbonate sheets in the top truss enabling proper lighting. The orientation of building was done in such a way that proper lighting and ventilation is ensured. To ensure heat transfer thermal insulation to the top floor is provided in academic complex.

The water tank catering to the entire campus water demand is placed at the top most location of the campus enabling proper conservation of pumping charges and allied expenses. The water is able to reach the high rise buildings through gravity as a result of this arrangement.

A separate irrigation tank is provided for arboriculture. Smoke proof doors around the corridors to confine the smoke in local area so that rescue can be done. Fire proof doors (2hrs resistivity) at exit point of staircase in every floor during fire emergency.

Source of Electricity and water in campus: The electricity supply for NISER campus is arranged from Aurugul Grid (5km) near IIT Bhubaneswar which was successfully energized since 28th April 2015.

The shopping complex is also taken over. Various shops have been allotted.

The community centre is already in place which is being regularly used by staff and faculty for family functions and various departmental functions. In construction of various things proper value engineering is taken care and accordingly the Scarps taken over from fencing materials are used as guard rails saving huge amount of money etc. The solid waste disposal is being maintained by Jatni Municipality. Jatni Municipality is picking the solid waste daily and dumping in their designated dump yards.