



**ENVIRONMENT AUDIT/GREEN AUDIT OF
NORTH LAKHIMPUR COLLEGE (AUTONOMOUS)**



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(AUTONOMOUS)**

Environment audit of the North Lakhimpur College primarily concerned with the appraisal of all available natural resources, those have been endowed by birth and at present context what extent of these resources have been exploited so far and also future plan of remaining resources by keeping environmental sustainability in mind. To prepare a budget on such a vital issue, we have to review first the all available resources of our environment concerned at first and secondly their existing managerial practices and lastly their future plan of exploitation keeping the RRR (Reduce, Reuse and Recycle) concept in mind. The present audit has also been prepared by keeping the slogan 'think globally and act locally'. The different heads of the present Environmental Audit are as follows.

1. Land resource and pattern of utilization.
2. Biodiversity resource, present status and conservation strategies.
3. Water resource, exploitation and conservation.
4. Waste and their management
5. Energy budget and management
6. Emission sources and their management
7. Audit Recommendations

1. Land resource and pattern of utilization:

The college has endowed a total land resource of 1093357sq ft out of which 14% of land has

Table 1: Land resource and pattern of utilization

Total Land/sq ft	Pattern of use								
	Used for construction/sq ft.					Open area/sq ft.			
	Building		Roads			Play Ground		Constructed area	
	RCC	Assam type	Concrete/ Black topped	Pavement tiles	Cacha	Synthetic	Nat. Grassed	Garden	Plantation area
1093357	67112	82392	30786	35428	82459	4800	376893	52782	360705

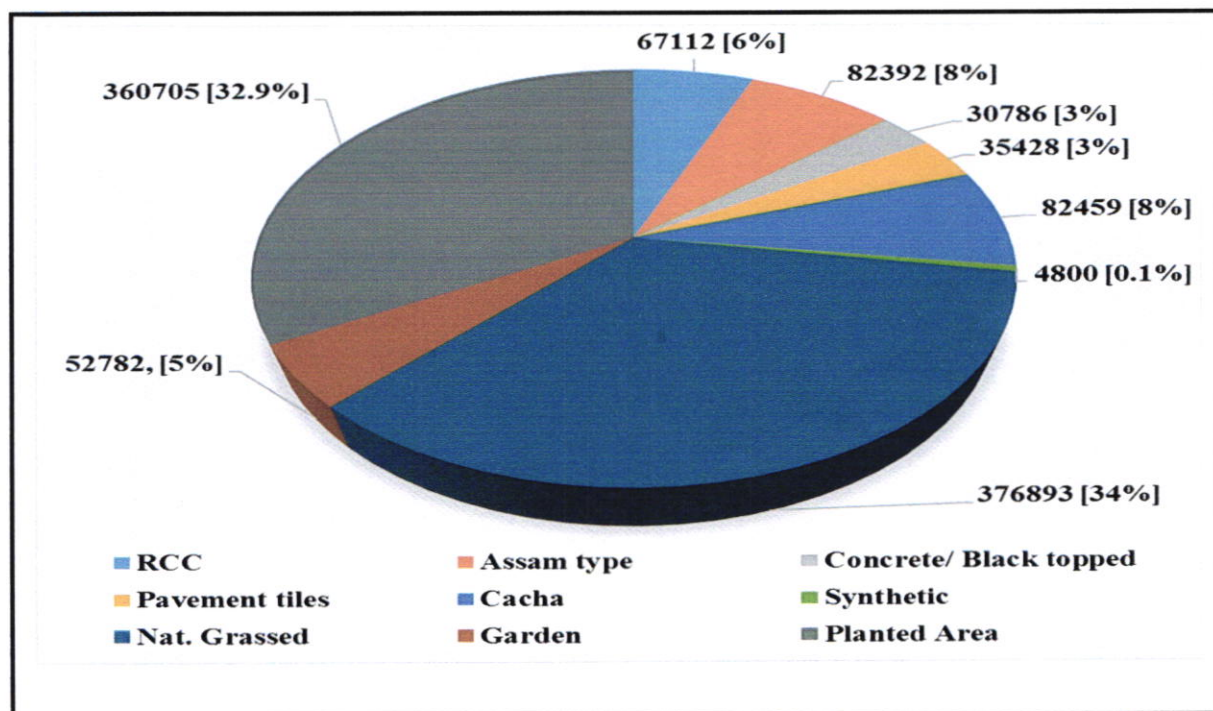


Figure 1: Land resource and pattern of utilization showing original data and percentage

been used in different construction (Building) purposes out of which 6% is on RCC buildings and remaining 8% is Assam Type buildings. An approximately 34.1% of land area is being used as playground of which 34% and 0.1% are covered with natural grasses and synthetic track respectively. Remaining 32.9% of land has been planted with varieties of timber, fruit yielding plants, ornamental and medicinal plants and 5% is covered with gardens. The existing land use pattern is primarily based on environmental restoration of the college as well as nation as a whole.

From the data of the land used pattern so far, the college is trying its best to maintain the environment health as it has sufficient percentage of green coverage which is exactly 37.9%. Presently college has planted more than three hundreds of saplings in the year (2015-16) to increase the forest coverage. There is also enough scope to increase the plantation area in near future. As per concept of Environmental footprint we are in utmost need of trees in our campus two times more as compared to the present status.

2. Biodiversity resource, present status and conservation strategies:

From the biodiversity data of the college campus it has been observed that, a wide variety of flora and fauna are there in the campus. Birds of few species are resident to the campus and some are seasonal visitors. Five species of snakes (e.g. Cobra and Krait) are available in the backyard forest area. Richness of avifauna and herpeto fauna is quite satisfactory in the campus.

College has a medicinal plant garden of local ethnic importance under supervision of Botany department. Regarding tree plantation, an attempt has been made for plantation of some local fruit yielding plants for attraction of more avifauna. The surrounding locality is rich in epiphytes particularly orchids, so all big trees have been ornamented with local orchid species.