

Laboratory for Conservation of Endangered Species

Attapur Village, Rajendra Nagar
Hyderabad, India

Architects	Beri Architects and Engineers Kolhapur, India
Clients	Centre for Cellular & Molecular Biology (CCMB) Hyderabad, India
Commission	2000
Design	2000 - 2000
Construction	2001 - 2005
Occupancy	2006
Site	25,760 m²
Ground floor	1,450 m²
Total floor	4,200 m²
Costs	1,260,822 USD

Programme This laboratory is unique in aiming to conserve and propagate endangered species through research on reproductive biology. Its curvilinear design is founded on a similar respect for nature, paying homage to the site's existing rocks. Visitors arriving on foot pass through a natural portal of rock as they enter, and the stone used for walls comes entirely from the site, not only lending a natural, warm appearance but also providing good insulation with minimum embodied energy and maintenance requirements. By contrast, smooth glass reflects the surrounding landscape, and a number of green spaces have been created both inside and outside the building.



The Government of India wanted to set up a **unique laboratory for the conservation of endangered species** through research on reproductive biology and in-vitro fertilization. This design responds to this attitude of respecting and restoring Nature and its biodiversity.



On his very first visit to the site, the architect struck a dialogue with the grand, beautiful cluster of large rocks on the edge of this site. He requested the clients to acquire more land around the rocks to make them an integral part of his design- **creating a strong symbolic context.**

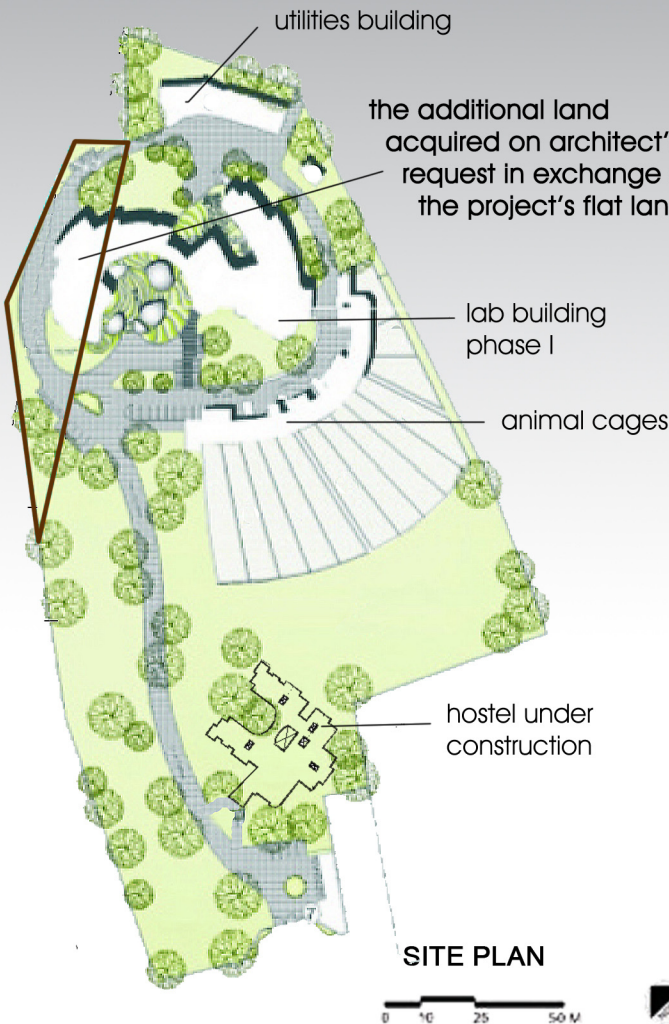
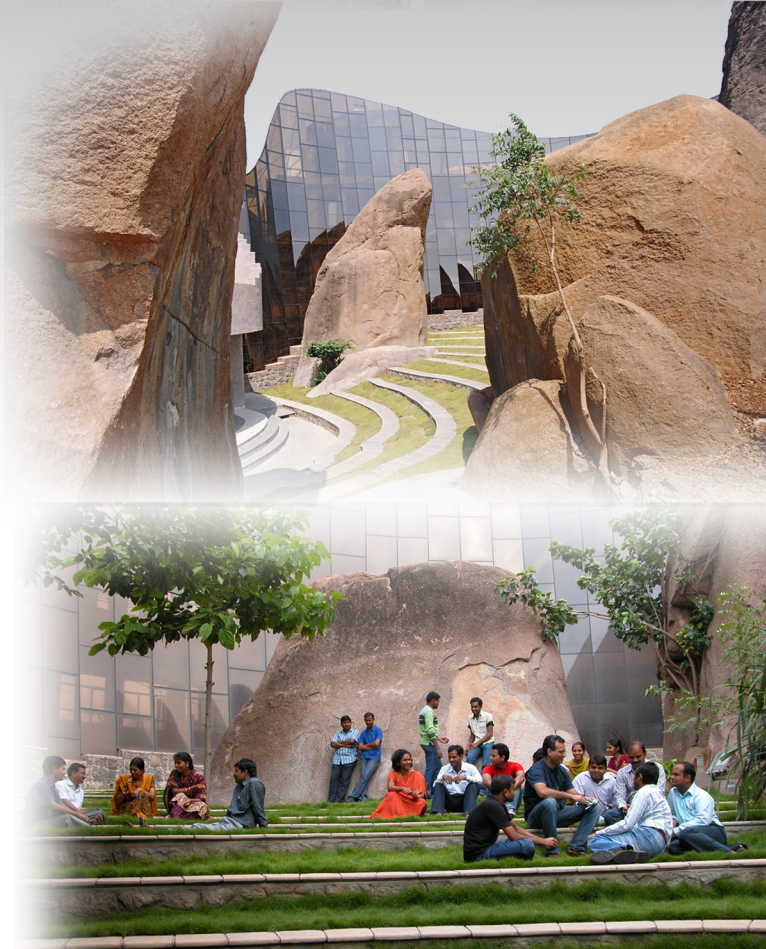


This initiated a design process that rejuvenated the spiritual bond between man and nature and paid its homage to nature-

by **honoring and preserving** (from rampant vandalism and exploitation) **this million year old natural heritage.**

by creating an **organic built form** with broken stone masonry and an **ephemeral glass façade that keeps changing** at different times of the day- reflecting the sky, the rocks and the gardens. The rocks, greens, the people and the building **fuse into one beautiful inseparable spatial relationship.**

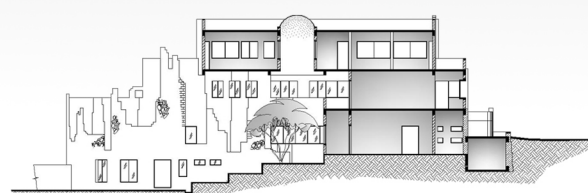
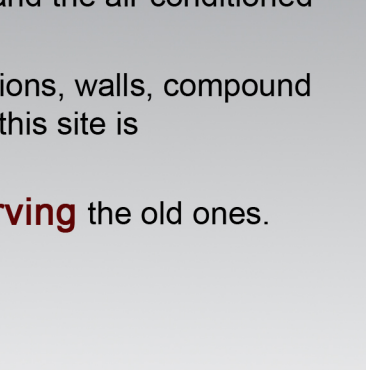
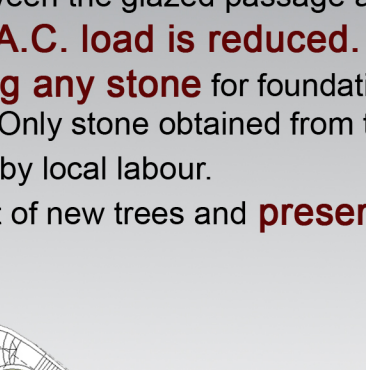
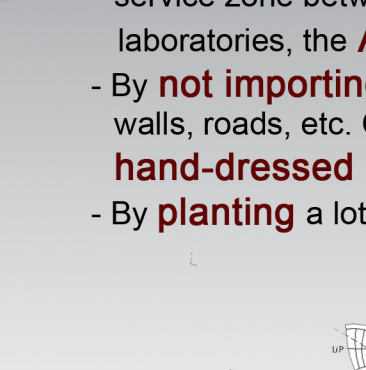
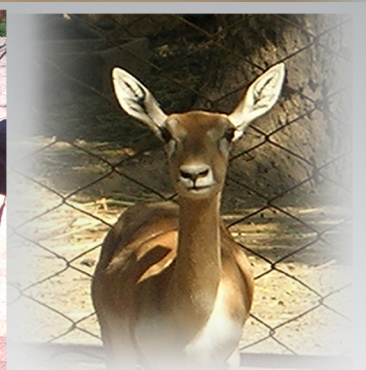
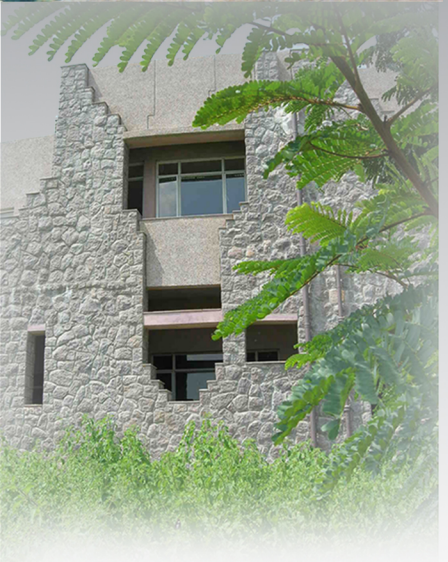
by creating **humane, natural interactive spaces** that help in creating a **symbiotic brotherhood between man and man, the manmade and the natural.**



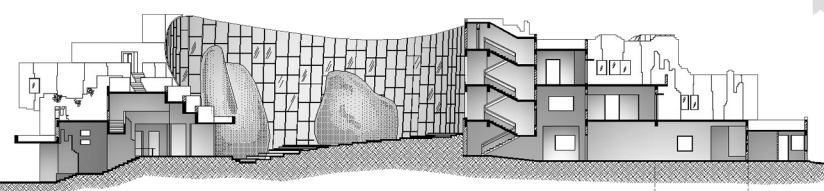


● **by reducing our footprint on earth-**

- With **a sewage treatment plant** to get recycled water for landscaping
- With **rainwater harvesting** tanks to save water.
- With **good day lighting and natural ventilation**, energy needed for lighting and air conditioning is reduced.
- With thick masonry and good shading of outer walls, and with a buffer service zone between the glazed passage and the air conditioned laboratories, the **A.C. load is reduced.**
- By **not importing any stone** for foundations, walls, compound walls, roads, etc. Only stone obtained from this site is **hand-dressed** by local labour.
- By **planting** a lot of new trees and **preserving** the old ones.



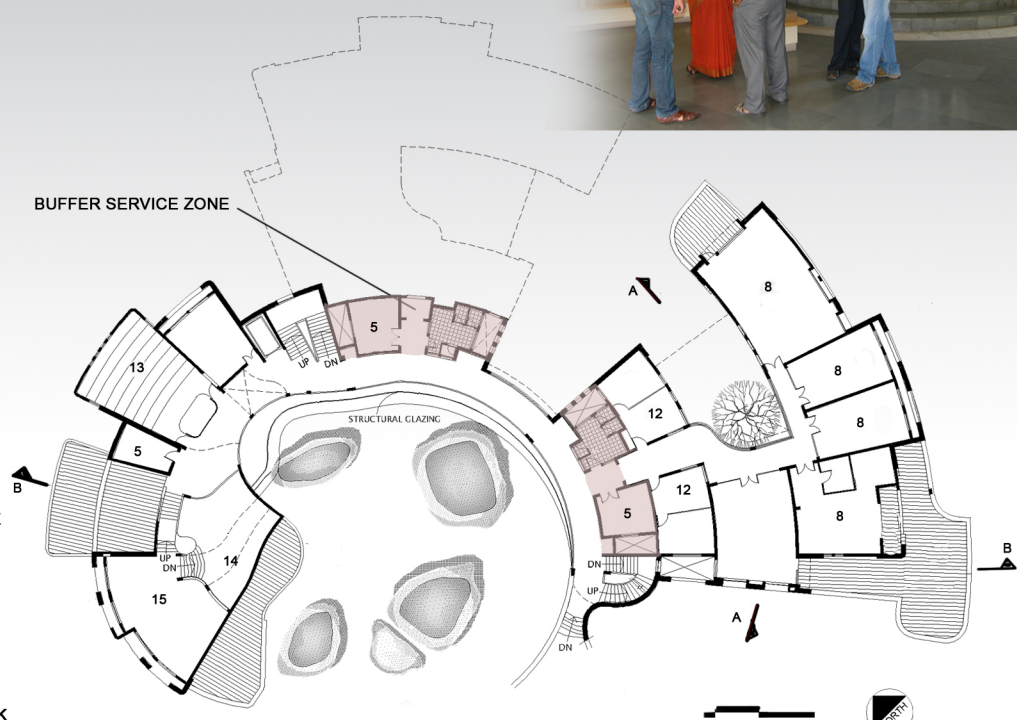
SECTION-AA'



SECTION-BB'



GROUND FLOOR PLAN



FIRST FLOOR PLAN

1. ARRIVAL LOBBY, STAGE
2. ADMINISTRATION + LIBRARY
3. DIRECTOR'S OFFICE
4. MEETING ROOM
5. AHU
6. CHANGING ROOM
7. OPERATION ROOM
8. IVF LAB
9. ANCILLARY SERVICES
10. RAIN WATER U.G. TANK
11. LANDSCAPED AMPHITHEATRE
12. GROUP LEADER'S OFFICE
13. SEMINAR ROOM
14. PREFUNCTION LOUNGE
15. MULTIPURPOSE LOUNGE

