

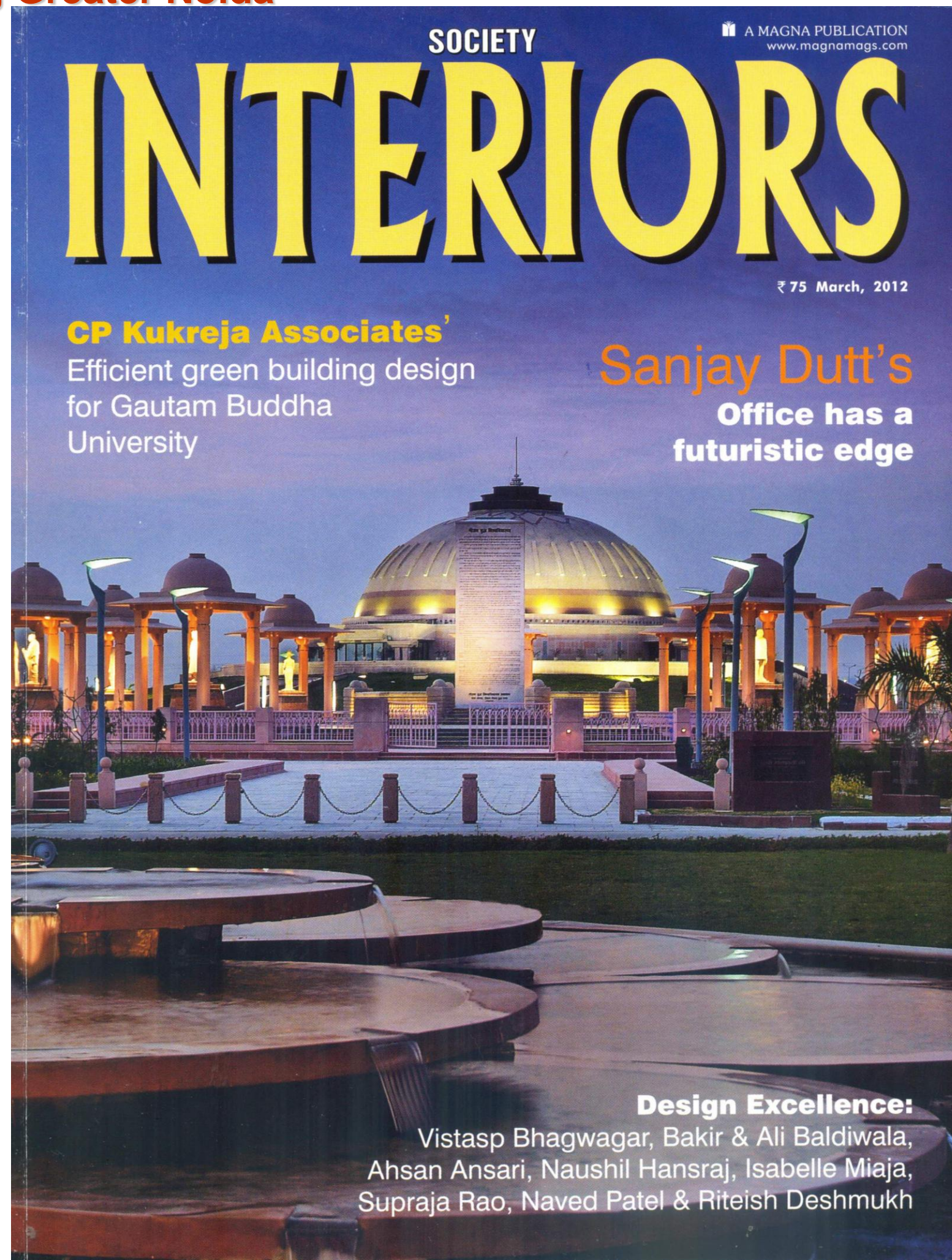
NOT *GREEN* . NOT *BLUE*.

sensible campus planning



ARCHITECTS:

C P KUKREJA ASSOCIATES



SOCIETY

A MAGNA PUBLICATION
www.magnamags.com

INTERIORS

₹ 75 March, 2012

CP Kukreja Associates'

Efficient green building design
for Gautam Buddha
University

Sanjay Dutt's

Office has a
futuristic edge

Design Excellence:

Vistasp Bhagwagar, Bakir & Ali Baldiwala,
Ahsan Ansari, Naushil Hansraj, Isabelle Miaja,
Supraja Rao, Naved Patel & Riteish Deshmukh

Gautam Buddha University, Greater Noida

| S.No. | Description | |
|-------|-------------------------------|---|
| 1 | Auditorium | 11 Sports Centre |
| 2 | Administration | 12a Faculty housing (Type II - III) |
| 3 | Faculties | 12b Faculty housing (Type IV) |
| 3B4 | Applied Sciences | 12c Faculty housing (Type V - VI) |
| 3B1 | Environmental Studies | 13 Married Research Scholar Hostel |
| 3A1 | Info. & Communication Tech. | 14 International Centre |
| 3A2 | School of Management | 15 VC Bungalow |
| 3B2 | School of Law | 16 Pump house |
| 3B3 | Developmental Studies | 17 Main Receiving Station |
| 3A3 | Humanities & Buddhist Studies | 17a-1 ESS - 1 (UTILITY-1) |
| 3A4 | Bio-Technology | 17a-2 ESS - 4 (UTILITY-4) |
| 4 | Library | 17b-1 ESS - 7 (UTILITY-2) |
| 5 | Library (Future) | 17b-2 ESS - 3(UTILITY-3) |
| 6 | Meditation pavilion | 17c-1 ESS - 6 incl. MRS-2 |
| 7 | Connecting corridor (faculty) | 17c-2 ESS - 5 17d ESS - 2 (IN AUDITORIUM) |
| 8.1 | Student Housing (boys) | 17c-3 ESS - 8 17c-4 ESS - 9 |
| 8.2 | Student Housing (girls) | 18 AC Plant |
| 9 | Dining | 19 Utility Buildings |
| 10 | Student Centre | 20 Main Gate |
| | | 21 Sports Field |
| | | 22 Sports Stadium |
| | | 23 Indoor Stadium |
| | | 24 Swimming Pool |
| | | 25 Central Corridor |
| | | 26 Open Air Theatre |
| | | 27 Pathway |
| | | 28 Site office |
| | | 29 Foreign Institutional Area |
| | | 30 Parking |
| | | 31 Over Head Tank |
| | | 32 Telephone Exchange |
| | | 33 Guest House |
| | | 33a Guest house(future expansion) |
| | | 34 Amenities |
| | | Shops |
| | | Bank / ATM |
| | | Post Office |
| | | Dispensary |
| | | 35 Dormitory |
| | | 36 Dormitory |

LANDSCAPE:

LEGEND

A.

SHISHYA PATH

B.

SHIKSHAK PATH

C.

SHANTI TAL

D.

ENTRANCE PROMENADE

E.

GAUTAM BUDDHA STATUE

G.

SAMOHA KUNJ

H.

DR. B.R. AMBEDKAR STATUE

J.

VIHARA VATIKA



AERIAL VIEW



Gautam Buddha University, Greater Noida



Gautam Buddha University, Greater Noida



Gautam Buddha University, Greater Noida



Gautam Buddha University, Greater Noida



Gautam Buddha University, Greater Noida



Bihar Police Academy, Rajgir



GREEN BUILDING FEATURES

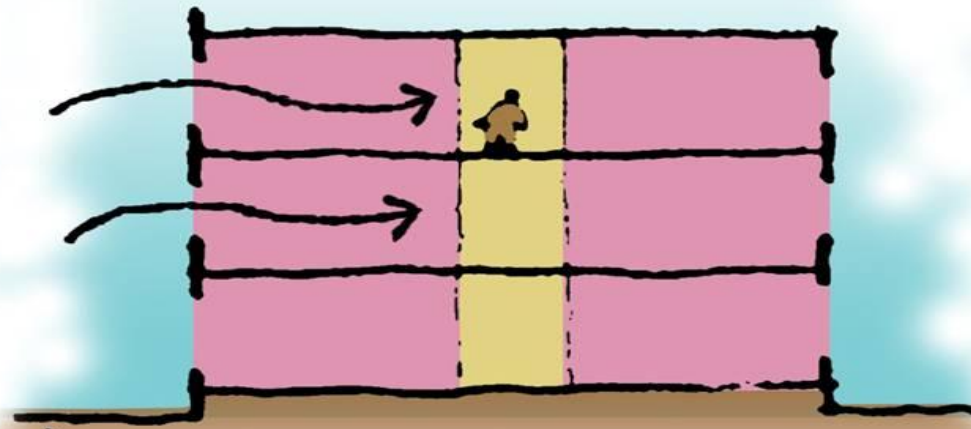
The campus is being planned as a Green campus with the aim to obtain GRIHA 4/5 star rating and incorporates a host of green building features and innovations such as :

Sustainable Site Planning : This involves the use and integration of the existing site features, vegetation and passive solar techniques into the master plan design, to preserve and protect landscape and top soil during construction, to minimize site disturbance and air/noise/soil/water pollution during construction, minimize road/paved/parking area for on-site circulation efficiency, efficient planning of utilities, etc.

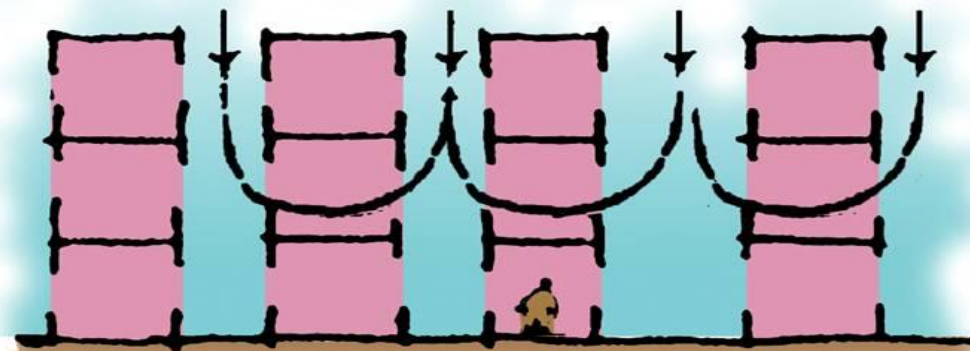
Efficient Utilization of Resources and Energy

Conservation : To maximize resource conservation and to enhance efficiency of the planned systems/design by :

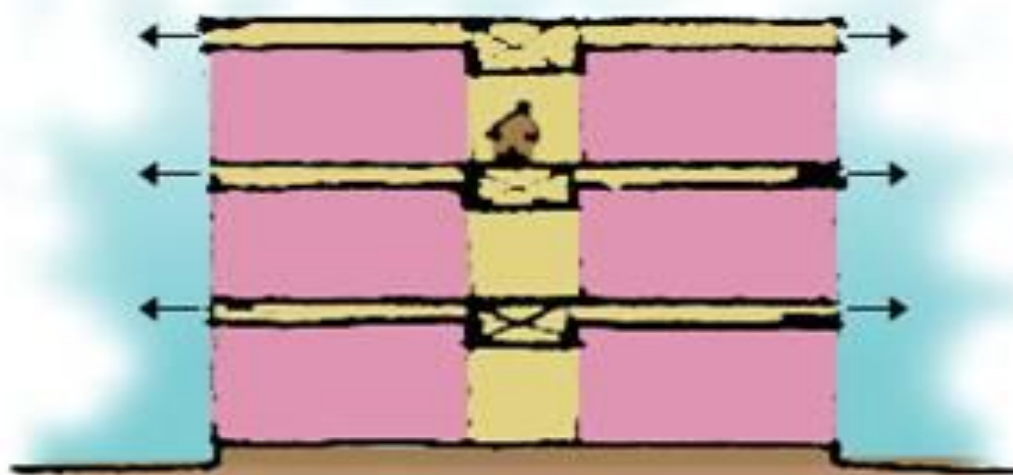
Reducing Water requirement/consumption by use of native species, drip irrigation techniques, etc. to reduce landscape water demand, efficient water use during construction and use of low-flow fixtures to efficiently reduce human water consumption.



1. HORIZONTAL VENTILATION



2. VERTICAL VENTILATION



3. VERTICAL VENTILATION

GREEN BUILDING FEATURES

Optimizing building design to reduce conventional energy demand, by maximising availability of natural daylight and efficient planning of artificial lighting.

Optimizing building design to reduce conventional energy demand, within specified comfort limits.

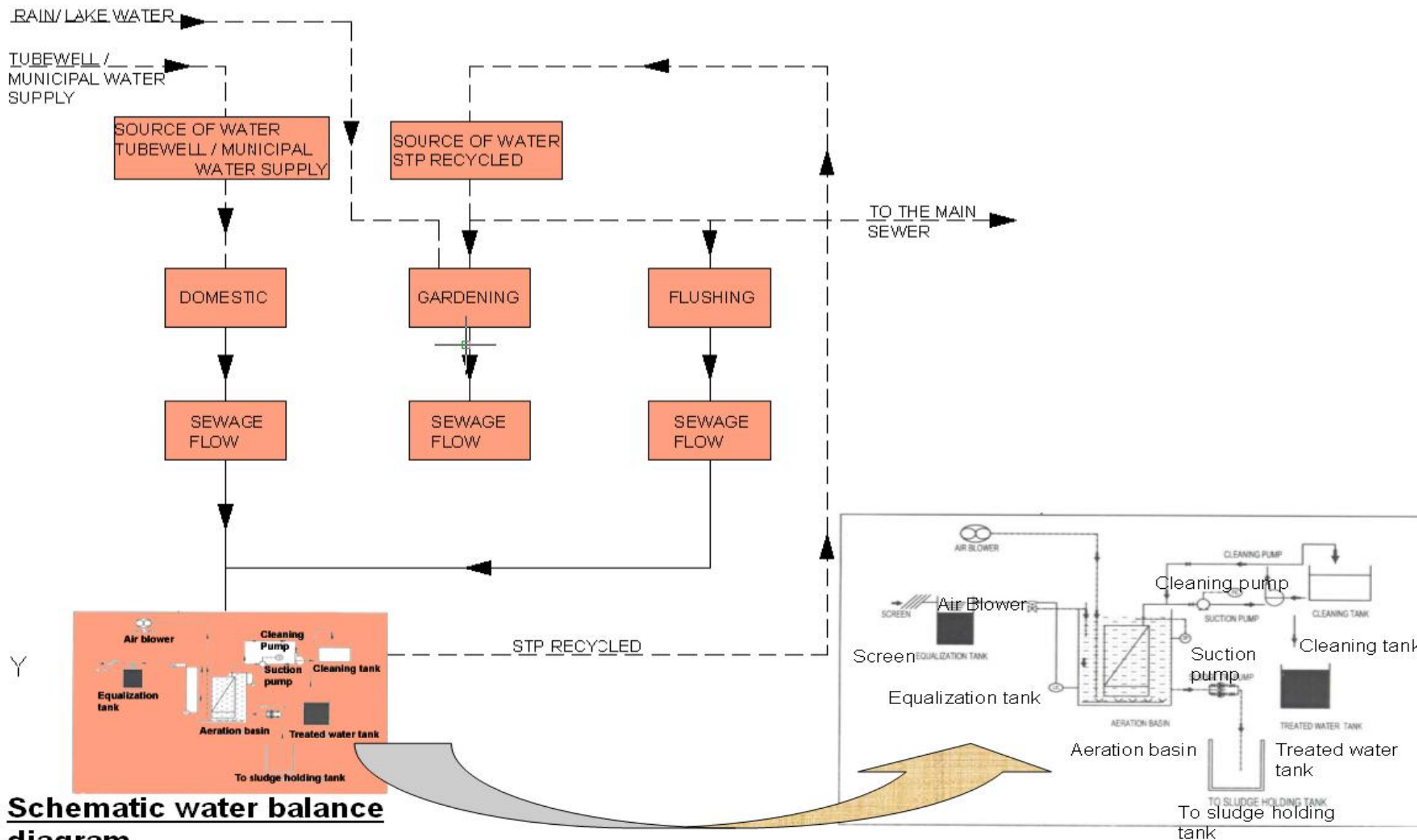
Energy materials : Use of low energy materials, use of fly ash and use of efficient systems.

Renewable Energy Systems : Use of renewable energy systems, like solar power, solar heating systems, wind power etc. to reduce conventional energy demand.

Water conservation thru Recycle, Recharge and Reuse : To maximize water conservation, all used water is being recycled through Sewage Treatment Plant (STP) and being reused for irrigation and flushing purposes. Rain water is collected and used for ground water recharging.

Waste Management : It is proposed to minimize waste generation during construction, maximize resource recovery from waste through efficient segregation and recycling measures, generation of energy from biodegradable waste, etc.

Indoor Air and Well being : It is proposed to use Low VOC paints, adhesives and sealants, minimize use of Ozone depleting substances, ensure water quality as per IS standards, maintain outdoor noise levels within acceptable limits, make the campus accessible and user friendly for the physically challenged and disabled, etc. to ensure healthy indoor air quality, water quality and noise levels.



Schematic water balance diagram

Jawahar Lal Nehru University , Delhi







Indian Institute Of Management , Lucknow



Indian Institute Of Management , Lucknow





PATHWAYS WORLD CAMPUS, GURGAON (Selected as best institutional designs in the world in New York)

PATHWAYS WORLD CAMPUS, GURGAON



PATHWAYS WORLD CAMPUS, GURGAON

