Report on

Technical Visit to GREEN BUILDING (MONARCH-PAL, SURAT) 05-02-2020

6TH SEMESTER

Department of Civil Engineering

A.Y.DADABHAI TECHNICAL INSTITUTE, KOSAMBA

Civil Engineering Department of A V PARIKH TECHNICAL INSTITUTE, KORAMPA
Organized a technical visit on 05th FEB, 2020 which 50 students and 2 faculty members visited to **Monarch Business Hub, Pal Surat (GREEN BUILDING)**

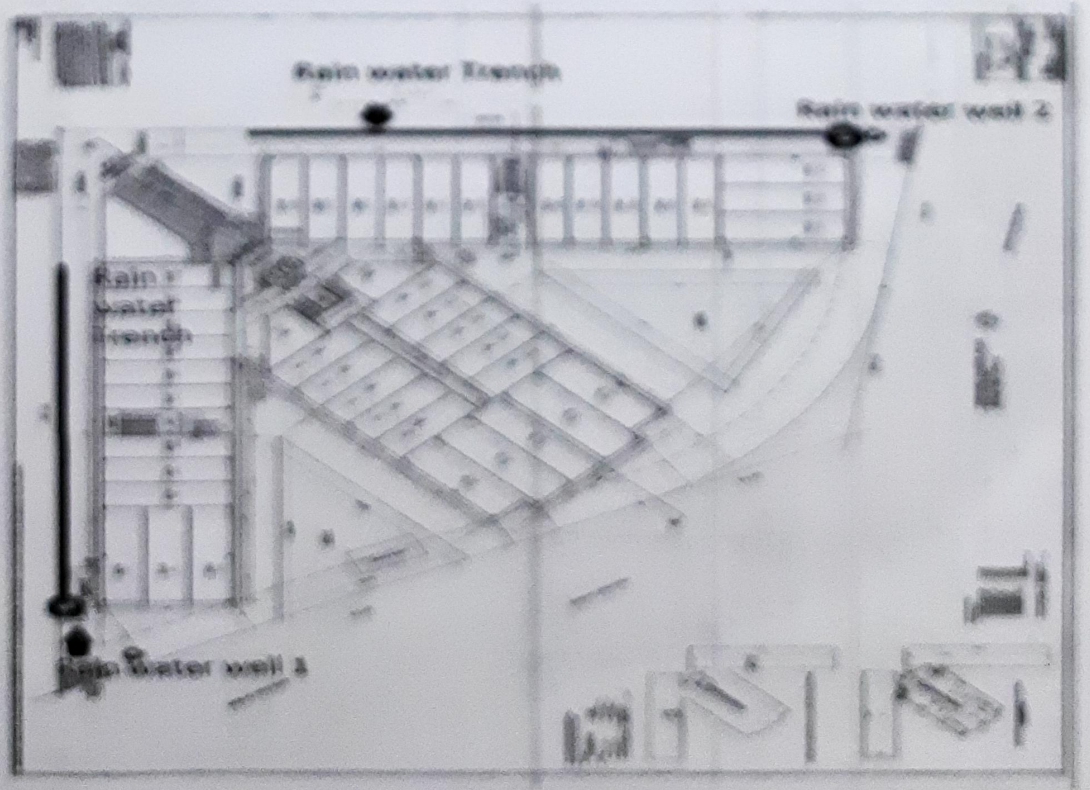
The main aim of technical visit is to be observed & understand the functions & concept of green building in detail & how practically they are constructed & utilized. Better understanding of concepts by observations.

A Green Building is the one whose construction and life time operation provides healthiest possible environment having the most efficient and least disruptive use of the land, water, energy and resources. Green Building is the one that preserves and restores the habitat which is vital for sustaining life by reducing negative environmental impact. Construction of Green Building minimizes on-site grading, saves natural resources by using alternative building material and recycles construction waste rather than dumping in landfill. Green Building's interior spaces have natural lighting, outdoor views while highly efficient heating, ventilating and air conditioning (HVAC) systems and low volatile organic compounds like paints, flooring and furniture create a superior indoor air quality.

This building is one of the 1st commercial green building in Gujarat

WATER EFFICIENT BUILDING

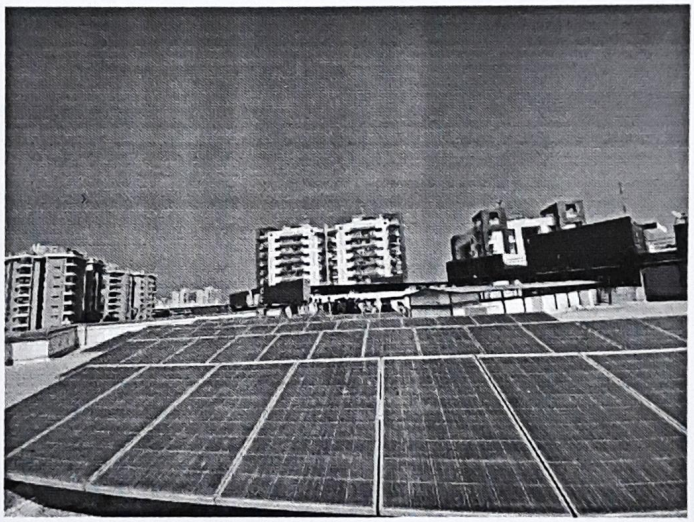
At the Building site, monarch business hub we have seen the concepts of rain water harvesting tank., which is located at the back side of building. By the rain water it recharges ground water. Main aim of this concept is reducing water consumption & improving water quality



ENERGY EFFICIENT BUILDING

- Energy optimization
- Energy generation

The Roof Is Covered By Gardens As Well As Solar Photovoltaic Thereby Reducing The Energy Consumption By 60%Against A Comparable Conventional Building. The Capacity Of Solar Panel Is 15kv.



AIR EFFICIENT BUILDING

- CROSS VENTILATION
- LOW VOC PAINT
- LUNG SPACE AROUND BUILDING
  The Building Is So Designed As 70% Of The Work Area Does Not Require Any Artificial Lighting During Day Almost 90% Of The Work Spaces Inside The Building Includes Light Shelves That Ensures That Natural Light Travels As Deep As Possible Inside The Building.

Confederation of Indian Industry

Indian Green Building Council (IGBC)

hereby certifies

MONAARCH

Venture by The Building Company

(IGBC Registration No. NBT 14 0168)

The project has demonstrated the Green Building Requirements in accordance with

IGBC Green New Buildings Rating System

(Tenant-Occupied Building)

Certified

February 2018

C N Raghavendran	Dr Prem C Jain	S Raghupathy	K S Venkatagiri
Chairman, IGBC Green New Buildings	Chairman, IGBC	Deputy Director General, CII	Executive Director, CII-Godrej GBC

Confederation of Indian Industry

Indian Green Building Council (IGBC)

hereby certifies that

Monaarch by The Building Company

Gaurav Path, Pal, Surat

(IGBC Registration No: NBT 14 0168)

has achieved precertification under the IGBC Green New Buildings Rating System. Documentation has been submitted for this project, which demonstrates an intent to design and build a high performance building in accordance with IGBC Green New Buildings Rating System

IGBC Green New Buildings - Precertified Silver

Tenant-occupied Building

July 2016

C N Raghavendran	Dr Prem C Jain	K S Venkatagiri
Chairman, IGBC Green New Buildings	Chairman, IGBC	Executive Director, CII-Godrej GBC