

Approval letter:

They have granted permission to visit the above mentioned projects on 22.04.2022.

Transport details:

The transport facilities were arranged for the total strength of 29 which including 25 students, 02 teaching faculty and 02 non-teaching faculty members were accompanied in a single luxurious bus.

Facilitators:

The following faculties were accompanied with students.

1. Dr.C.Karthik, Assistant Professor
2. Ms.D.Dharani, Assistant Professor
3. Ms.N.Thangamani, Lab Technician,
4. Mr.D.Prabhu, Lab Technician.

The student organizers are:**(For Male students)**

1. Mr. Boobalamananikandan M
2. Mr. Jayanthnathan T
3. Mr. Sureshkrishna S

(For Female students)

1. Ms. Deepika S
2. Ms. Renuka S
3. Ms. Jayashree K

Brief Description about the Projects:**Project 1 : Jains Tufnell Gardens, Kakkanad:**

This project is residential purpose named as "Jains Tufnell Gardens" located at Kakkanad, Cochin, Kerala state. This project consists of 152 units which including 2 BHK and 3BHK apartments covering an area of 1150 sq. ft to 1500 sq. ft. Among the many amenities that the project hosts are green campus in the environmental friendly, Children's play area, Power backup for common area lights & Lifts, Sewage Treatment Plant, etc.

Students were visually observed about Corbel, Shear wall, beam to beam connection, Cantilever at balcony portion, Staircase, Lobby, Power control room, Sewage Treatment plant, etc.,

Project 2 : Olive Ourania, Edappally:

This project is residential purpose named as "Olive Ourania" in Edappally, Ernakulam, Kerala state. This project consists of 4 flats in each floor which including 2 BHK and 3 BHK apartments covering an area of 1200 sq. ft to 1400 sq. ft.

- The each floor height is 2.85m which including thickness of floor slab. The total height of building is 40.25m which excluding stair head room and lift.
- The underground sump was constructed with a capacity of 79000 liters.
- During the discussion, we were observed that few columns were rested over pile foundation and remaining's are either isolated or combined footings.
- The lift side walls were constructed as shear wall to carry a lateral force. Among the many luxurious amenities that the project hosts are Landscaped Gardens, Children's play area, Power Backup, etc.

- OPC were used to cast all structural elements such as Footing, Column, Beam and Slab.
- PPC were used to cast all non-structural elements such as Brick work, Plastering etc.,
- Solid blocks of thickness range from 100mm to 200mm based on the requirements were used to construct a wall.

General amenities provided in the above mentioned projects:

Doors / Windows / Ventilators:

- Main door will be made of teak/sal wood frame with paneled skin door shutters.
- Bedroom doors will be made of country wood frame with flush shutters.
- Toilet doors will be of country wood frame with flush shutter.
- UPVC French doors with sliding shutter without grill will be provided.
- UPVC sliding shutter with grill will be provided for all the windows in the flat and UPVC/Aluminum ventilator for toilets will be provided.

Painting finishes:

- All internal walls except balconies will be coated with putty and finished with emulsion paint
- External walls will be finished with exterior emulsion paint of Asian or equivalent.
- All other doors will be finished with enamel paint.
Windows Grills will be finished with enamel paint.

Floor tile:

- The flooring in living, dining, bedrooms and kitchen will be of Vitrified tiles.
- The flooring in balconies, toilets and wash area will be of first quality ceramic tiles.

Wall tile:

- Kitchen will have first quality ceramic wall tiles.
- Toilet will have first quality ceramic wall tiles for 7 feet height from floor level.

Kitchen:

- Granite platform of approx size 8' x 2' will be provided.
- One loft of RCC will be provided in kitchen, subject to structural feasibility.

Electrical:

- Three phase supply with concealed wiring will be provided. The actual supply will be single or three phase based on the Electricity board rules and regulations at the time of energizing the complex.
- Separate meter will be provided for each flat to get the consumption of power supply.
- Common meters will be provided for common services in the main board.
- A/c provision with electrification will be provided in the master bedroom and only cut out with pipe provision will be given in the other bedroom.
- 15A plug points will be provided for fridge, washing machine and geyser in toilets.
- The wiring for 5A points will be of 1 Sq.mm rating adequate for equipment's of capacity of 750W and 15A points will be of 2.5 Sq.mm. rating adequate for equipment's of capacity of 1500W. AC wiring will be of 4 sq.mm rating, which can take up a capacity of 2 tonnes.

TV and Telephone cable:

- TV and Telephone points will be provided in living and master bedroom.

Plumbing & Sanitary:

- All toilets will be provided with floor mounted European closet.
- Dining hall will be provided with wash basin.
- High Quality chromium plated fittings (Jaquar or equivalent) will be provided in the toilets.

Common Amenities:

- An overhead tank of required capacity will be provided for water.
- Bore wells will be provided. The depth will be decided by us based on the yield. However, the yield/quantity & quality of water cannot be assured & guaranteed.
- Lift of KONE/JOHNSON/OTIS or equivalent make will be provided.
- Sump of required capacity for Drinking water will be provided.
- DG back up for lift and essential common area light points will be provided.

PHOTOS DURING THE VISIT:



Key plan of "Jains Tufnell Gardens" Project

Discussion at "Jains Tufnell Gardens" Project



Students Group Photo at "Jains Tufnell Gardens", Kakkanad, Cochin.



Discussion at "Olive Ourania" Project

Discussion at "Olive Ourania" Project



Students Group Photo at "Olive Ourania", Edappally, Ernakulam, Cochin.



Jains Tufnell Gardens, Kakkannad.





Olive Ourania, Edappally, Ernakulam.

ACKNOWLEDGEMENTS:

We are very thankful to our management, who gave us this opportunity to visit the construction projects: "Jains Tufnell Gardens" Kakkanad and "Olive Ourania", Edappally, Ernakulam, Cochin. We sincerely thank our beloved The Secretary and Correspondent Thiru.S.D.Chandrasekar, who provide all the facilities. We thank our beloved Principal Dr.M.Jayaraman, and our respected HoD Dr.E.Ravi, who helped us in organizing this trip with his valuable advice. We thank Dr.C.Karthik, Faculty of IV incharge who helped in getting permission from M/s. Jain Housing & Constructions Private Ltd., Cochin and M/s. Olive builders, Edappally, Cochin.

Our sincere thanks to Mrs.Colleen Petriz, Branch head and Mr.Achu, Site Incharge, M/s. Jain Housing & Constructions Private Ltd., Cochin for providing permission, explaining the various facilities and works carried out in this project.

Our sincere thanks to Mr.Suresh Alexander, DGM-Projects, Mr.Roy, Site In-charge, Mr.Rahul, Site Engineer, M/s. Olive builders, for providing permission, explaining the various facilities and works carried out in this project.

1. 
2. T. Jayanthan
3. S. Suresh Krishna
4. 
5. S. Renuka S
6. K. Jayashree

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1. C. Karthik 25/4/22
2. D. Dharani
3. N. Thangamani 25/4/22
4. D. Prabhu

Facilitators:

1. Dr.C.Karthik, Assistant Professor
2. Ms.D.Dharani, Assistant Professor
3. Ms.N.Thangamani, Lab Technician
4. Mr.D.Prabhu, Lab Technician.


25/4/22
Department IV Coordinator


25/07/22
HOD/Civil


25/4/22
Principal