

Report on Site Visit to “Jaipalpur and Chhawan Pipe Water Supply Schemes” organized by the Department of Civil Engineering, Integral University on April 29, 2024

A group of 15 students from B.Tech in Civil Engineering in association with L&T EduTech, along with Associate Professor Mr. Mohd Kashif Khan and Senior Lab Assistant Mr. Mohd Yaqoob, visited the Jaipalpur and Chhawan Pipe Water Supply Schemes in Sitapur district, Uttar Pradesh on 29th April 2024. Mr. Parag Jain, manager of L&T Uttar Pradesh and Uttarakhand, along with Mr. Upander Kaiser facilitated the visit.

The visit began with a warm welcome from Mr. Sanjay Kumar, Assistant Construction Manager, L&T. He provided an overview of the project & the site. Mr. Saurabh Kumar and Mr. Ajay Sharma, Assistant Construction Manager at the Chhawan site, shared insights of the water distribution system and the crucial chlorination process to ensure water quality. The students gained a comprehensive understanding of operational procedures and quality control measures.



During the visit to the Chhawan site, Mr. Ashutosh Kumar, Assistant Construction Manager - EHS and Precast Erection, elaborated on the construction process of prefabricated water tanks. They explained that prefabrication involves manufacturing components of a structure in a factory, and then transporting them to the construction site for assembly. This method ensures high quality control, reduces construction time, and minimizes waste.

At the Jaipalpur Pipe Water Supply Scheme, Mr. Khareedu Gautham, Assistant Construction Manager, led the group through ongoing construction activities. Discussions focused on reinforcement details, the construction process of onsite casting, and formworks. Mr. Gautham explained the importance of proper reinforcement placement to ensure structural integrity and resist various loads. The onsite casting process involves pouring concrete into prepared molds or formworks, which must be meticulously designed and assembled to maintain the desired shape and support the wet concrete until it hardens.



Additionally, Mr. Divyanshu Rawat, Assistant Construction Manager - QA/QC, elaborated on the quality assurance measures. These measures include testing of fresh concrete for its workability, strength, and durability, as well as inspecting formwork for stability and alignment before casting.

The site visit provided invaluable hands-on experience and deeper insights into civil engineering projects, fostering a practical understanding of theoretical concepts.

The visit concluded with expressions of gratitude to the entire L&T team for their hospitality and informative sessions, with special appreciation extended to Mr. Parag Jain and Mr. Upander Kaiser for facilitating this educational opportunity. This visit was made possible through the support of Prof. Syed Aqeel Ahmad, Head of the Civil Engineering Department at Integral University.

