

LUKHDHIRJI ENGINEERING COLLEGE, MORBI

Civil Engineering / Applied Mechanics Department

Dt:19/09/2026

Site Visit Report

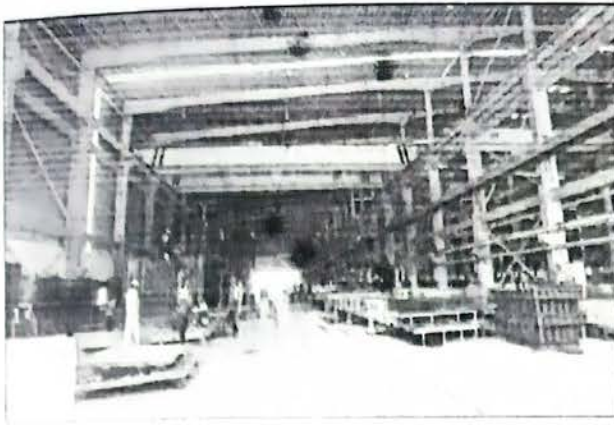
An industrial visit to PSP Projects Limited (Precast Division), Mankol, Sanand, Ahmedabad was successfully organized for 52 students of the Applied Mechanics /Civil Engineering Department, Lukhdhirji Engineering College, Morbi, on 19th September 2026, with the valuable support of The Alumni Association of L. E. College, Morbi (LENCO). The visit was organized with the objective of providing students with practical exposure to precast concrete technology, manufacturing processes, quality control, reinforcement detailing, handling, transportation, and erection of precast structural elements. The visit provided an excellent opportunity for students to understand the practical application of precast technology in modern construction projects.

During the first part of the visit at the PSP Precast Factory, Sanand, students were introduced to the complete precast concrete production process. The technical personnel explained various stages including planning, mould preparation, reinforcement fabrication and placement, concrete production, casting, compaction, finishing, curing, demoulding, and storage of finished precast elements. Students observed the factory setup, production facilities, different types of precast structural components, and the systematic sequence followed during manufacturing. They also understood how controlled factory conditions help achieve consistent quality, dimensional accuracy, better workmanship, and faster production. Special emphasis was given to reinforcement detailing, mould preparation, concrete quality, dimensional tolerances, and quality-control procedures adopted during precast production. The students were briefed about various inspections and checks carried out at different stages to maintain the required quality of precast components. The technical team also explained the importance of proper lifting points, handling, stacking, storage, transportation, and erection procedures, particularly for large and heavy precast structural elements.

In the afternoon session, the students visited a PSP Projects construction site at Shantigram, Ahmedabad, where precast technology is being implemented in an actual building project. Students were informed that the building is being constructed using precast structural components manufactured at the PSP Precast Factory. This site visit enabled them to observe how factory-manufactured precast elements are transported, lifted, positioned, aligned, connected, and assembled at the construction site. It provided a valuable link between the manufacturing process observed at the precast factory and its actual execution at the project site. The combined factory and construction-site exposure helped students understand the complete workflow of precast construction—from production and quality control at the factory to transportation and erection at the project site. They also gained an understanding of the importance of coordination between design, manufacturing, logistics, and site teams. The visit highlighted important advantages of precast construction, including faster construction, improved quality control, better dimensional accuracy, reduced site work and formwork, efficient use of resources, and systematic project execution.

Overall, the Industrial visit was highly informative and beneficial, enabling students to correlate their theoretical knowledge of RCC, construction materials, structural systems, and construction technology with actual industrial and field practices. The visit enhanced their understanding of the complete precast construction process and provided valuable exposure to both factory production and on-site erection of precast structures. The Civil Engineering / Applied Mechanics Department, L. E. College, Morbi, sincerely acknowledges the valuable support and cooperation of PSP Projects Limited and LENCO in making this industrial visit a meaningful practical learning experience for the students.

Glimpse of Site Visit



from

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