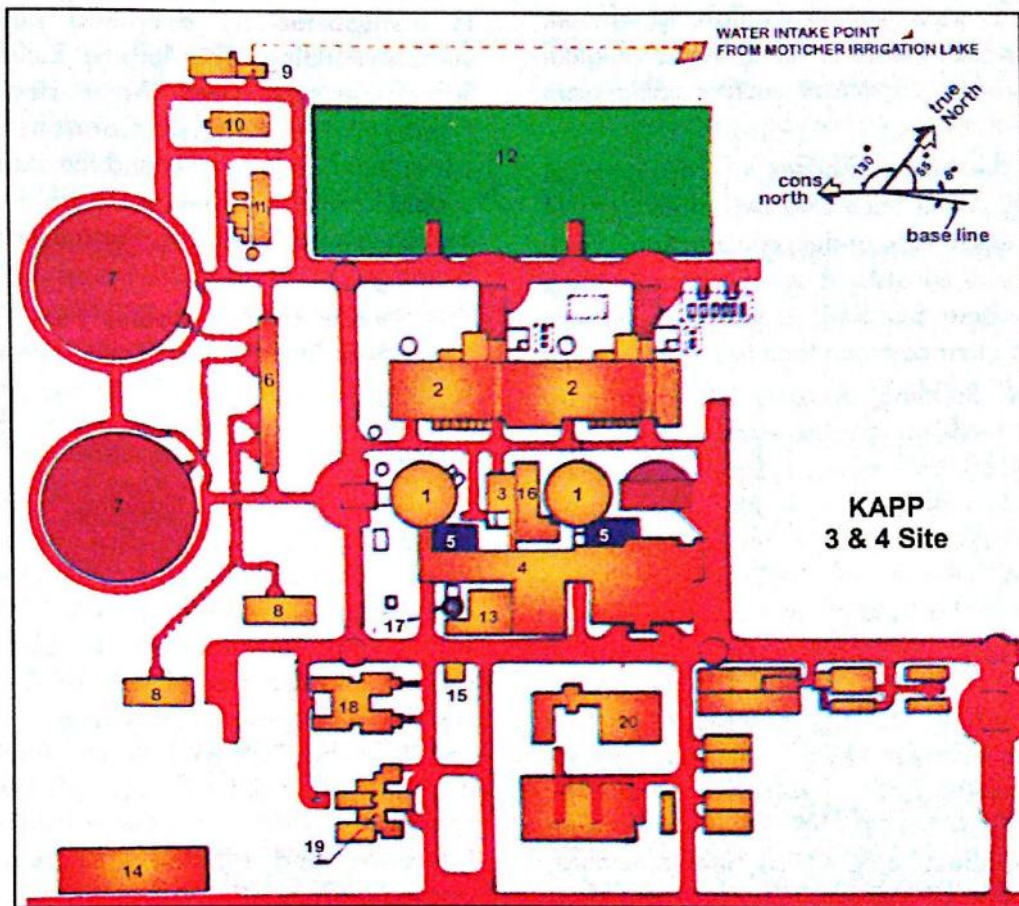


Field Visit:- Kakrapar Atomic Power Station (3 & 4 site)

21 students of M.Tech Sem –II (Structural Engineering), and Assistant Professor Anuj chandiwala from Civil Engineering Depart has organized one day construction site visit to Kakrapar Atomic Power Station (3 & 4 Phase) on 09th April 2015. The work of cooling tower, reactor building and control tower is under construction. Students seen the composite structures also such as reactor turbine building. On the construction site lots of advanced techniques seen by the students such as slip form work technique for the stack and prestressing for the inner RCC wall of the reactor chamber. The construction work of KAPP 3 & 4 Phase are taken up by L & T construction under the authority of NPCIL (Nuclear Power Corporation of India Limited). All the student were see the construction work of such type of special structures. Mr. P.R. Revankar & his college (Scientific officer, Civil Engineering) gave a sound and very important knowledge about the construction work of this structure. Question answering was carried out with the students and explain about the design and operation of the plant. After the completion of this project power generation from this two new power plant is approximately 700 MUs per one plant.



Station Layout

Legend:

- | | |
|---|---|
| 1. Reactor Building (RB) - 1 & 2 | 11. Demineraliser Plant (DM Plant). |
| 2. Turbine Building (TB) - 1 & 2 | 12. 220 KV Switchyard. |
| 3. Purification Building | 13. Waste Management Plant (WMP) |
| 4. Service Building | 14. Solid Waste Management Facility |
| 5. Reactor Auxiliary Building | 15. Central Alarm Station |
| 6. CW Pump House. | 16. Heavy Water (D ₂ O) Upgrading Plant. |
| 7. Natural Draft Cooling Tower (NDCT) - 1 & 2 | 17. Stack |
| 8. Induced Draft Cooling Tower (IDCT) - 1 & 2 | 18. Canteen Building. |
| 9. Plant Water Pump House. | 19. Administrative Building. |
| 10. Pretreatment Plant. | 20. Ware House. |