

**A pictorial overview of
Renovation of FaL-G Mansion
32-10-55. Shri Venkateswara Colony, Sheelanagar, Visakhapatnam 530012**



The first phase of FaL-G Mansion; Ground Floor slab together with beams was cast in 1991 totally with FaL-G concrete in lime route, having not even a gram of OPC.



15 ft tie beam resting on another 15 ft beam to the slab of ground floor (1991); cast with concrete made of FaL-G in lime route, having not even one gm of OPC.



FaL-G Mansion expanded in 1994, adding two more floors, using Portland-FaL-G concrete for total structure, containing fly ash as high as 40%-65% of cementitious input.



FaL-G Mansion 2009: before Renovation; Southern side face-lift



Walls with 4.5" interlocking blocks – Southern side face-lift



Starter for dome on 2nd floor; extending 1st floor columns to 2nd floor – Eastern side face-lift



Reinforcement for starter beam to Western dome with FaL-G interlocking bricks; on third



Almost all the demolished brick and concrete is put back into concrete for non-critical structural applications



North-east gate – The main entrance; Rainwater harvesting pit is on right side.



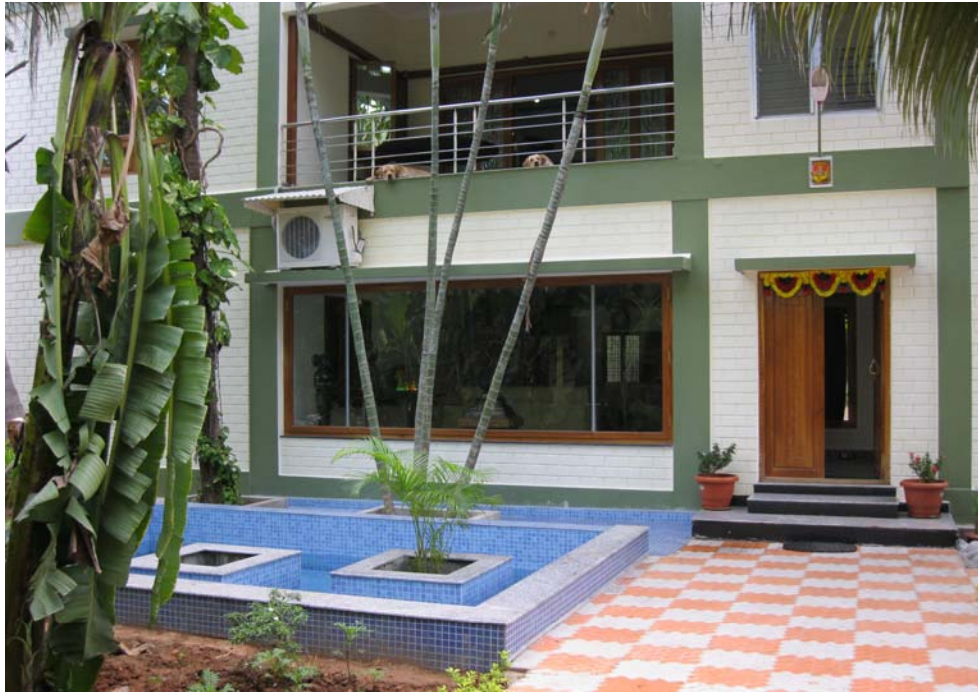
Portico on Eastern side.



Eastern face-lift: ground floor portico; first floor sit-out; second floor dome



South-side elevation – outer wall is built of FaL-G interlocking blocks – no plastering done.



Water-body in front of Western elevation.



Western Elevation; Dome on 3rd floor is made up of FaL-G interlocking blocks



Lobby at Ground floor; partition walls are built of FaL-G interlocking bricks



Drawing cum dining on the first floor



Second floor: Dome made of No-Aggregate Concrete (NAC) – Lawn is grown on the same floor, demonstrating the water-imperviousness of the slab.



Third Floor: 12 m³ water tank; dome made of interlocking blocks on western elevation.



Dome with Interlocking blocks – bottom-view from the second floor