

Cold-formed steel (CFS) is globally gaining wide spread acceptance as a material of choice for residential application due to its sustainable nature (Green) and ease of construction within a short period of time. However, the social acceptance of such structures by Indian citizens are slow due to lack of awareness on the safety and reliability offered by CFS during extreme events such as wind and earthquake when compared to conventional construction materials. To create awareness, Ministry of Housing and Urban Poverty Alleviation (MHUPA) has embarked upon a scheme to built model houses using CFS in an effort to promote the new technology and to demonstrate the long term viability of such structures in Indian conditions. The picture below shows the group of third year undergraduate students from the department of Civil Engineering at IIT Hyderabad visiting the CFS construction site at Gacchibowli, Hyderabad on 7th February 2018 as a part of the Structural Steel Design course (Instructor Dr. M K Madhavan) to learn the latest construction techniques. These include the fabrication and assembly of CFS wall panels, CFS joists (roof beam), CFS truss system, CFS member to member connections (using self drilling screws) and installation of foundation anchors (to prevent uplift of CFS structure) using mechanical fasteners in conjunction with Hilti adhesive.





