

Dr. Pandu Ranga Rao Badarla **Joint Director, L-13A**



- ❖ Dr. Pandu Ranga Rao Badarla is working as a Joint Director & Unit In-charge of NCB Units at Hyderabad & Bhubaneswar. He earned his Ph.D., M.Tech in Structural Engineering and B.Tech in Civil Engineering from JNTU, Hyderabad. He holds Post Diploma in Environmental Engineering from A.P. State Board.
- ❖ Previously, he served at Indian Space Research Organisation (ISRO) nearly 21 years in various centers/units as Scientist/Engineer in Construction and Maintenance Group. He has made significant contributions in realization of ground based structures for ISRO research requirements both for launch vehicles and application of satellite data by sharing his expertise. He contributed for National Carbon Project (NCP) - ISRO Geosphere Biosphere Program (IGBP) measuring atmospheric parameters to describe the physical, chemical and biological processes including establishing the evaluation process of carbon credits.
- ❖ Dr. Pandu Ranga Rao Badarla has 28 years of rich and diversified experience in the field of Civil, Structural and Environmental Engineering such as “Techno-economic feasibility studies, design verification, construction supervision and quality assurance of Buildings, Roads, Bridges/ Tunnels, Convention centers, special utility projects & other infrastructure works”. He is instrumental in providing project management consultancy for construction works of new cement plant at Republic of Congo and Alternate Fuel & Raw material project at Oman. Some of his significant projects in ensuring quality standards in construction include the International Exhibition-cum-Convention Center (Pragati Maidan), India International Convention Center (Dwarka) and Construction of 7000 class rooms in school buildings (Delhi).
- ❖ His research interests includes performance of fibre reinforced high performance concrete for seismic resistant structures, model low cost housing- sustainable technology for mass EWS & LIG/MIG housing schemes. He has been the author/co-author for more than ten journal/seminar papers. His current work mainly focuses on sustainable building materials with special emphasis on waste based materials.
- ❖ Holding memberships in various professional bodies like, Fellow & past GC member- IAStructE, ICI,ACCE, NICEE and BIS committee for NBC, Earthquake Engg., Planning, housing & prefabricated construction.