

Consultancy

- Civil Engineering Department has been providing consultancy & testing in the field of Structural, Environmental, Geotechnical, Transportation and Earthquake Engineering over the last 60 years.
- Most of the works are referred to the department by state government's semi-government, Grampanchayats, Railways, private institutions and private parties.
- The department also provides concrete mix design and different techniques for strengthening/retrofitting of existing seismically weak old structures.
- A large number of consultancy projects are undertaken by the department Every year about 200 consultancy projects worth about Rs. 50 crores are undertaken which generates IRG approx. of Rs. 1.50 crore yearly.
- Scrutiny of RCC design and drawing of Bank of Baroda at Mumbai, commercial complex at Ichalkaranji, and Balancing Tank at Phaltan.
- Scrutiny of RCC design and drawing for ESR, WTP, STP, Intake Well, Jack-well Pump house, Supply well, Approach bridges etc.
- Seismic evaluation and strengthening techniques for Industrial buildings, hospitals, schools etc.
- Structural inspection of old existing RCC ESR, GSR and buildings for structural stability.
- Concrete Mix Design for grades of concrete M15 – M40 for construction of various structures and RMC plants.
- Structural audits/ Third Party Inspection of construction works under Nagarothan Abhiyan, Government of Maharashtra.
- Non-destructive testing of various types of structures such as RCC buildings, ESR, Bridges K. T. Weirs, WTP etc.
- Water quality analysis, waste water characterization, ambient air and stack gas monitoring, noise level monitoring, analysis of chemicals (Alum and bleaching powder) used in water treatment. Filter sand gravel testing, CHNOS analysis of liquid and solid waste, proximate and ultimate analysis of solid waste.
- Design of water treatment plant (WTP), sewage treatment plant (STP), water distribution system, sewerage system, rain water harvesting system and other environmental system.
- Technical scrutiny of Environmental engineering projects (WTP, STP, Distribution system, sewerage system etc. preparation of environmental status report, training programme for water analysis and waste water characterization.
- Soil sample testing for engineering properties evaluation overall consultancy for foundation scheme design. Consultancy for safe bearing capacity analysis, settlement analysis of soil under imposed stresses, lateral earth pressure evaluation. Soil embankment designs for bridge approaches, earthen dams, (major, minor irrigation projects).

List of Major Clients:

- Directorate of Municipal Administration, Mumbai
- Water resources Department (Govt. of Maharashtra)
- Central Railway Pune Division.
- P.W.D (Govt. of Maharashtra)
- Maharashtra State Electricity Board (MSEB)
- Lift irrigation scheme- Krishna- Koyna, Sina – Madha, Tembhu.
- Maharashtra JeevanPradhikaran. (MJP)
- Grampanchayats, Municipal Corporations.
- S.M.K. Corporation Sangli.
- Various Private Construction companies.
- Kirloskar Consultants Pune.
- Indian Oil Corporation Ltd.
- Bharat Petroleum Corporation. Ltd.
- District Collector office, Sangli.

IRG Generated through Testing and Consultancy for last 8 years:

Year	Testing Fess (Rs. In Lakhs)	Consultancy Fees (Rs. In Lakhs)	Total Fees (Rs. In Lakhs)
2015-16	19.230	14.900	34.130
2016-17	11.350	41.560	52.910
2017-18	15.810	40.700	56.510
2018-19	21.360	42.400	63.760
2019-20	47.120	114.100	161.220
2020-21	17.33	84.94	102.27
2021-22	50.12	126.53	176.65
2022-23	55.00	63.00	118.00