

## Material & Structural Evaluation Group (MSEG)

### Research Area:

Title: A process technology to utilize construction and demolish wastes in making concrete without compromising in its strength.



***Research achievements:***

- Addition of optimum quantity chemical to achieve desired strength (M20) for use in village road construction.
- Making of common bricks of desired strength using finer particles of lesser production cost.
- Technology demonstrated by making of roads, parking areas, road shoulders, drains etc



***Environmental Issues Addressed:***

- Alternative to present practice of landfill
- Minimizing use of natural resources (stones) as concrete aggregates

***Constructional Advantages:***

- Making similar grade of concrete at 20% to 25% lesser price.
- Implementing more works within same budget

***Technology Readiness Level (TRL):***

The Process Technology has reached TRL-6 and patented. The Knowhow is ready for Transfer/Licensing to the Industries for utilization.