

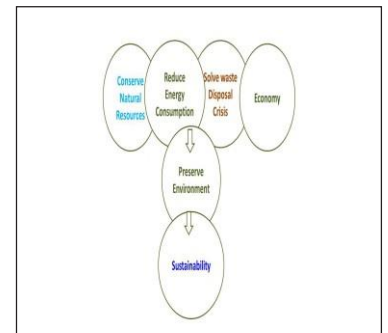
# Process Know-how of Manufacture of Paver Block and Other Building Components i.e. Tiles/Bricks from C&D Waste

## Technology in Brief

The production of paver blocks from CD waste represents a sustainable solution to mitigate the environmental impact of construction activities while promoting irregular economic principles. By harnessing recycled materials and advanced manufacturing technics, this technology offers promising pathway towards creating resilient and eco-friendly infrastructure for the future. In this technology, paver blocks were prepared using M40 mix using 100% recycled coarse aggregates, Portland pozzolona cement, and fine aggregates. Two-stage mixing was performed in a rotating drum mixer as per standard.

## Salient features/Advantages

- Compressive Strength: 45 MPa.
- Water absorption: 3.8%.
- Flexural Strength: 5.3 MPa.
- Waste utilization, conserve natural resources, sustainable.
- Recommended for medium traffic purpose as these are satisfying the minimum strength requirements of M-40 grade as per IS:15658.



Properties & Standards	IS: 15658:2006
End Product(s)	Paver Block
License/Commercialization	M/s Disha Ecoloc Pavers, Nagpur
TRL	8
Environmental Impact	Sustainable products
Setup - Equipment required	C&D Waste, Vibrating table, Mouldsetc