



## TITLE: Utilization of Waste Plastic in Paver Blocks

### Photos



### Description

The waste plastic will be large in household time. In many countries the compositions of waste is different, that it is affected by the socioeconomic characters, waste management programs and consumption patterns, but generally the level of plastic in the waste composition is high. One of the largest components of plastic waste is polyethylene which is followed by polypropylene. The large volume of materials required for construction is potentially a major area for the reuse of waste materials. Recycling the plastics has advantages since it is widely used and has a long service life, which means that the waste is being removed from the waste stream for a long period. Because the amount of clay required to make bricks is large, the environmental benefits are not only related to the safe disposal of bulk waste, but also to the reduction of environmental impacts that arise due to burning of plastics.

### Methodology

1. Collection of Waste Plastics and redmud
2. Sorting
3. Shredding
4. Adding
5. Heating & Mixing
6. Molding
7. Remolding
8. Testing

### Social Impact

- It reduces cement content which reduces greenhouse effect.
- It will also help in safe guarding the environment effects and safe disposal of waste plastics.
- To develop an efficient way and effectively use of waste plastics.
- To reduce the dumping area of waste plastic.

### Project Team

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