

LANDFILL TO LANDFORM

ABSTRACT:

The thesis report is based on the issue of landfill sites its mismanagement of waste disposal, the adverse effects of landfills on its neighborhood living spaces and huge land area grabbed by it. The thesis project focuses on landfill of Jalgaon city its waste management programs and exposes the loopholes in treatment of landfill site and its waste. This thesis is a story of transformation of a landfill to a landform. The thesis project stresses on the selection of Jalgaon city and its landfill site and the system of transportation of waste from households to the dump yards.

India is a country enriched by successive waves of migrations, invasions and marauders from distant lands, every one of them left a cultural imprint on the Indian society which was absorbed by the Indian way of life. India is one of the largest democracies in the world with various cultural diversities and heritage. Here culture is the definition of everything. India is a land of 29 states, 9 union territories united with each other. India generates about 277.1 million tonnes of waste annually according to world bank report. Indian cities like Delhi, Mumbai, Kolkata, Chennai are the main contributors to the total waste generated. The Jalgaon City Municipal Corporation is responsible for collection, disposal and management of MSW within the city. Due to rapid urbanization and increase in population waste collection and its transportation and disposal is a challenging task to the urban local bodies. No specific land was reserved for compost depot in the sanctioned development plan of the old city limits. The waste generated is disposed in an unscientific manner. The manpower and transport system is inadequate for the waste management of the city.

AIM:

The aim of the thesis is to eliminate uses of landfills and dumping yards for disposal of wastes and to design public spaces for all income groups and to design a facility that will treat and recycle waste which will then be transformed for the betterment of the society.

OBJECTIVES:

The main objectives of the project is the reclamation of the landfill site and converting it to a semi-public area hence creating an inactive land to a more lively part of the city.

- Restoration of the existing site ecologically and with the help of architectural intervention by designing spaces for the residents of the city and finding ways of treating our waste with techniques like waste-to-energy, biogas plant, and recycle depot.
- Educating the community and making them aware of the importance of these spaces and finding more ways for their involvement and making them realise it is their responsibility also as the residents of the city.