

WORKING & MECHANISM OF BIO-TOILET

AMRESH SAH*1
SADIQUE IQBAL*2
ASHAR NIYAZ*3
NISHANT KUMAR*4

ANUJ SHARMA*5

*1,2,3,4, Student, B-Tech (Civil Engineering), Greater Noida Institute Of Technology

*5 Assistant Professor, (Civil Engineering), Greater Noida Institute Of Technology

amreshsah017@gmail.com

anujsharma.ce@gniot.net.in

Abstract.

Bio toilet is a toilet system based on decomposition mechanism, it decomposes in the digester tank human excretory waste using specific high graded anaerobic bacteria further converting it into methane gas, carbon dioxide gas and water. The throwing (disposal) of human waste is difficult problem in current scenario. Now-a-days, we are using drainage sewer pipe system to convey human waste from one point to another, but it is good for metropolitan city where drainage system is good or working effectively, simultaneously, in rural area there is no proper sewer system, though the disposal of human waste is very problematic condition. For overcome above problems in rural area the concept biodigester is very useful, because it didn't create any effluents to dispose

References:

1. Bio Toilet information from DRDE technology (2011-12).
2. Handbook on IR-DRDO BIO TOILET for open line maintenance of Maharajapur, Gwalior (2007).

3. Handbook of the secretary, Life Sciences Research Board
4. Directorate of Life sciences Defense Research & Development
5. Del Porto, d. and Steinfeld, C.: *The composting toilets system book*. Centre for Ecological Pollution Prevention (CEPP). Concord Massachusetts, 1998.
6. Kitsui, T. and Terazawa, M.: Environmentally friendly toilets for the 21st century, bio toilets (ST; Dry closet: DC). Page 120-121.in proceeding of 10th international symposium on wood and pulping chemistry .Japan **1999**.