

# A Review on Faecal Sludge Treatment Plant

Shreyash Kalambate, Rohit Awaghade, Himanshu Bhalerao, Aarya Jagtap, Neel Bodade, P. P. Jadhav  
Pimpri Chinchwad Polytechnic, Pune, Maharashtra, India

**Abstract:** *The Faecal Sludge Treatment Plant [FSTP] is a Very Important in these Days in Countries Like India. Because of its Various Objective and its Process can make the development in the Sector. By Faecal Sludge most of the Sludge and sewage is Disposed and have Numerous other Reuse Options [i.e., Composting, Solid Fuel, Bio – gas]. Faecal Sludge Treatment Plant is Bio – Safe for use. And the System of FSM Services is Automated, Simple design, and have the Continuous Operation. Faecal Sludge Treatment Plant have the Capability to take the Additional Load of Liquid waste and Solid Waste. Tiger Bio – Filter Technology plays an important role In Faecal Sludge Treatment Plant.*

**Keywords:** Faecal Sludge, Tiger Bio – Filter Technology, Sludge Disposal, Anaerobic Digester, Bio – Safe Process.

## REFERENCES

- [1] “Manual: Faecal Sludge Management,” 2021. Accessed: Dec. 29, 2022. [Online]. Available: [https://swachhbharatmission.gov.in/sbmcms/writereaddata/Portal/Images/pdf/Faecal\\_sludge\\_management\\_manual\\_English.pdf](https://swachhbharatmission.gov.in/sbmcms/writereaddata/Portal/Images/pdf/Faecal_sludge_management_manual_English.pdf)
- [2] H. Ganapathi, Faecal Sludge Management: A Study with Reference to New Delhi, India Peysa Jal Suraksha Development of Six Pilot Riverbank Filtration Demonstration Schemes in Different Hydrogeological Settings for Sustainable Drinking Water Supply (Part View project Harsh Ganapathi Wetlands International South Asia Faecal Sludge Management: A Study with Reference to New Delhi, India. 2017. [Online]. Available: <https://www.researchgate.net/publication/337947134>
- [3] K. Samal et al., “Design of faecal sludge treatment plant (FSTP) and availability of its treatment technologies,” Energy Nexus, vol. 7, p. 100091, Sep. 2022, Doi: 10.1016/j.nexus.2022.100091.
- [4] K. Krishnasamy, J. Nair, and R. J. Hughes, “Verm-filtration systems for liquid waste management: A review,” International Journal of Environment and Waste Management, vol. 12, no. 4. Inderscience Publishers, pp. 382–396, 2013. Doi: 10.1504/IJEW.2013.056908.
- [5] “Government of India Ministry of Urban Development National Policy on Faecal Sludge and Septage Management (FSSM),” 2017. Accessed: Dec. 29, 2022. [Online]. Available: [http://amrut.gov.in/upload/newsrelease/5a5dc55188eb0FSSM\\_Policy\\_Report\\_23Feb.pdf](http://amrut.gov.in/upload/newsrelease/5a5dc55188eb0FSSM_Policy_Report_23Feb.pdf)
- [6] M. Ruhela, P. Rani, S. Bhardwaj, and F. Ahamad, “Efficiency assessment of faecal sludge treatment plant (FSTP): An analytical study,” Archives of Agriculture and Environmental Science, vol. 6, no. 3, pp. 347–353, Sep. 2021, Doi: 10.26832/24566632.2021.0603013.