


**ST. THOMAS COLLEGE OF TEACHER EDUCATION,
PALA**

**7.1.3 Institution waste management practices
include:**

**Documentary Evidence in support of each selected
response**

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7.1.3 Institution Waste Management Practices include:

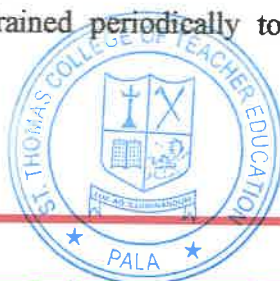
1. Segregation of Waste

Solid Waste Management: The waste generated in the campus includes wrappers, paper, plastics wrappers, etc. Old newspapers, used papers and journal files, workshop scrap etc. are given for recycling to external agencies. Glass, metals, plastic, and other non-biodegradable wastes are given to external agencies where they are segregated and disposed/recycled according to the nature of the waste. Leaf litter is allowed to decompose systematically over a period of time to be used as manure for the gardens in the institute. The Municipality's *Haritha Karma Sena* collects solid waste from the college periodically. Waste segregation is facilitated with two strategically located bins on campus. Paper waste is managed through an on-site incinerator, while food waste is composted using a pipe compost system. These measures support the college in preserving a clean and sustainable environment. Additionally, a toilet incinerator is installed to efficiently dispose of napkins, promoting both hygiene and environmentally responsible waste disposal practices. This device minimizes waste accumulation and reduces reliance on conventional waste management techniques. The college is committed to upholding zero waste management practices, aiming to minimize waste generation and maximize recycling and composting efforts. Through proactive initiatives and student involvement, the college strives to achieve sustainable waste management practices that contribute to environmental conservation.

The college's waste management policy, aligned with the State Government's Uravida Malinya Samskaranam initiative, incorporates various advanced waste management techniques. The NSS unit actively participates in these efforts by organizing clean-up drives and awareness programs. Additionally, the Green Protocol Samithi promotes eco-friendly practices to minimize waste and ensure sustainable campus operations.

2. Sewage Treatment Plant

For liquid waste management: College hostel has a sewage treatment plant. The liquid waste generated in the hostel include sewage, laundry, hostel, and canteen effluent waste. The entire treated water is used for watering the gardens and lawns. The sludge settled in the STP is removed and is dried on drying beds and used as manure for the gardens. Therefore, the entire waste water generated in the hostel is treated and reused. The waste water generated from college is carried through drainage system and is allowed to settle in collection tanks. The collection tanks are maintained and drained periodically to ensure proper liquid waste management.



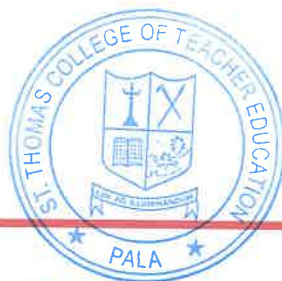
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Sewage Treatment Plant



3. Vermi- compost

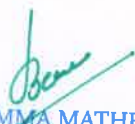
We have a **vermicompost** unit. The use of vermicompost has been highlighted in agriculture as a **beneficial medium for improving plant growth, yield and the maintenance of soil fertility**. This organic matter has proven to improve the overall soil structure, soil fertility, and crop yield. Vermicompost helps improve soil structure, texture, porosity, water holding capacity, drainage, and aeration and reduce erosion. It improves plant growth by enabling the growth of new shoots and leaves, thereby increasing productivity. The biodegradable waste generated in the college is treated in the vermicompost unit located in the campus. The manure is collected periodically and the tank is refilled. The collected manure is used as fertilizer in the college garden. The vermicompost unit is maintained and operated by the joint effort of college staff and students.




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Vermi Compost




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