

1. We have a 7-compartment system, every compartment has 100 liters capacity. The old system was modified. When we refabricated it and rearranged it then we shifted it to Rajgurunagar for a trial basis of about 34 kgs. maximum wet garbage could be loaded after mixing with a hexagonal mixer.
2. The next option was to load the garbage without the mixing of a hexagonal mixer where the garbage was spread on the ground and the spray pump gives the applied liquid microbial culture.
3. While collecting the garbage ourselves for households the spray pump is used to apply proper culture on the waste. The collected garbage about 34 kg was roughly 75 households so the system could be used for 75 households. Alternate lids did help us a lot and it turns 180° was enough. There were some leached coming out from the composter hence it was decided to give a dry layer of old compost or sawdust so that the leached were trapped inside the system itself. The 7 days compost could be done without a false smell was a successful experiment with this we decided to move the system back to Vigyan Ashram from Rajgurunagar. This system was too small and more housing complexes were ready to adopt it, at least at Rajgurunagar. After getting the garbage composted for about 22 or 23 days also brought back to Vigyan Ashram and this half-prepared compost was 7 days composting was the next trial in a hexagonal mixer as a composter. When we applied the culture once again in the first batch, we observed that just half of the compost garbage there was shredded but it had a very strong false smell. The pH of the garbage came out acidic and we treated it with lime. We used two different cultures A) BARC Microbial Culture and B) Agri Compost Culture. And the Agri Compost Culture does not give a positive result. Then we made a new trial and for this time we added 2 kg every day for 7 continuous days. The false smell was reduced but the system was not free from the false smell. Then we try to add 4 kg of dry half compost. For 7 days we observed that the smell coming out from the mixer and the garbage was slightly acidic. Due to anaerobic conditions in the garbage, larvae were produced automatically. Hence the system should be run continuously for 7 days composting immediately followed by the composter. The hexagonal composter was converted into a composter and the side of the hexagonal composter was replaced by the net. So, the plan should be that this composter does complete curing of the wet garbage immediately after 7 days.