a m a z i n g AMANORA®

Presentation to

Confederation of Indian Industry

"Environmental Best Practices Award 2026"

Amanora Park Town's 360° Eco Friendly Solid Waste Management System

Presentation by

City Corporation Ltd.

08.10.2026 at Chennai



Company Profile :

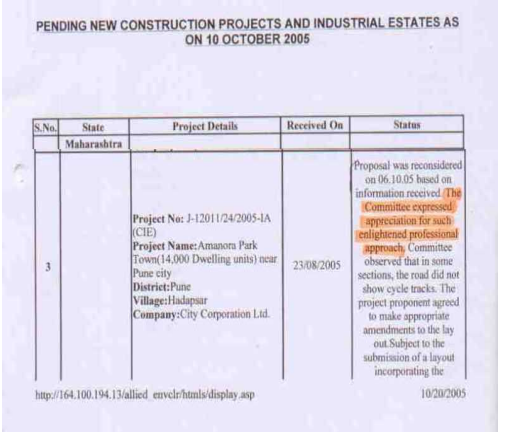
City Corporation Limited, Pune

a m a z i n g AMANORA®

***Vision**: To create <u>eco-friendly</u> and quality shelters for the classes & masses through integrated townships and related infrastructure – economical, social, educational, health & entertainment to provide the customers value for their money.*

- As a privately managed township with Municipal Services. It is country's first Smart Township.
- **Most importantly, we provide :**
  - **(i) Integrated Solid waste management neglected by many local body**
  - **(ii) Water Management & Conservation with 24x7 water supply**
  - **(iii) Clean, green habitat with Air Pollution Control Programs**
- 14,000 houses planned, 10000 occupied, A City by itself.
- We started our journey & commitment to environment in our EMP given to MoEF. MoEF reported on their Website (2005).

  We quote:- ***"The committee expressed appreciation for such Enlightened professional approach (By the developer)"***.
- We continued by further commitment by building world's first environmental temple (Golden Tree in Glass Prism). Registered with UNEP (2008).



PENDING NEW CONSTRUCTION PROJECTS AND INDUSTRIAL ESTATES AS ON 10 OCTOBER 2005

S.No.	State	Project Details	Received On	Status
	Maharashtra			
3		**Project No:** J-12011/24/2005-IA (CIE) **Project Name:** Amanora Park Town(14,000 Dwelling units) near Pune city **District:** Pune **Village:** Hadapsar **Company:** City Corporation Ltd.	23/08/2005	Proposal was reconsidered on 06.10.05 based on information received. The Committee expressed appreciation for such enlightened professional approach. Committee observed that in some sections, the road did not show cycle tracks. The project proponent agreed to make appropriate amendments to the lay out.Subject to the submission of a layout incorporating the

http://164.100.194.13/allied_envclr/htmls/display.asp 10/20/2005

Amanora Park Town's

360° Eco Friendly SWM System

a m a z i n g AMANORA®



Sent to Recycle / Gasification

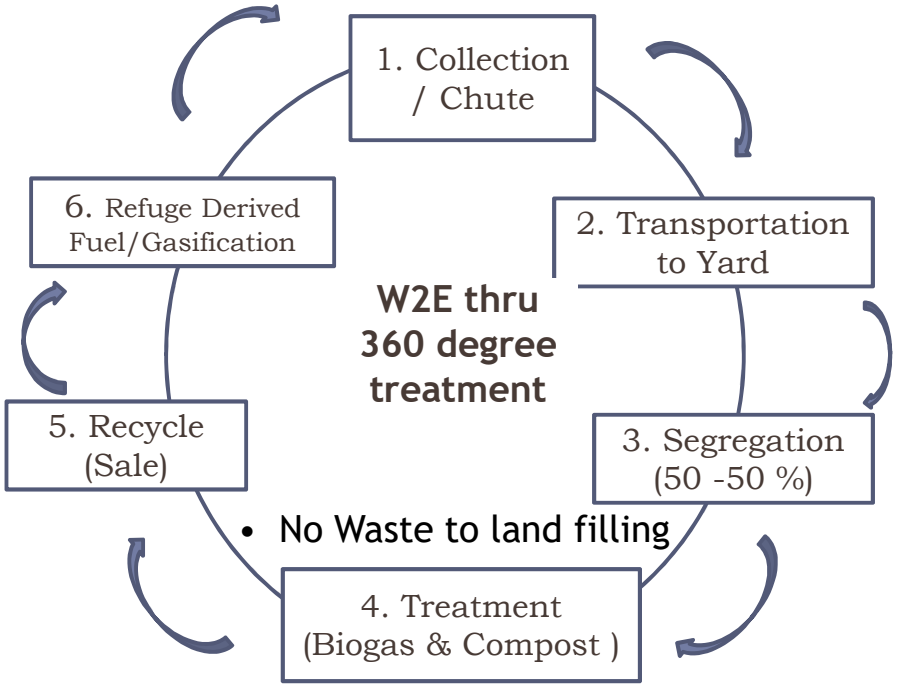


Waste to Compost



Treatment at Biogas

We preach and practices MSW Rules using 3R principles (Reduce, Reuse & Recycle)



- No Waste to land filling
- This pioneer project being replicated/scaled up
- Model has moved from W2E to W2E&W



Collection Bins



Collection Vehicle



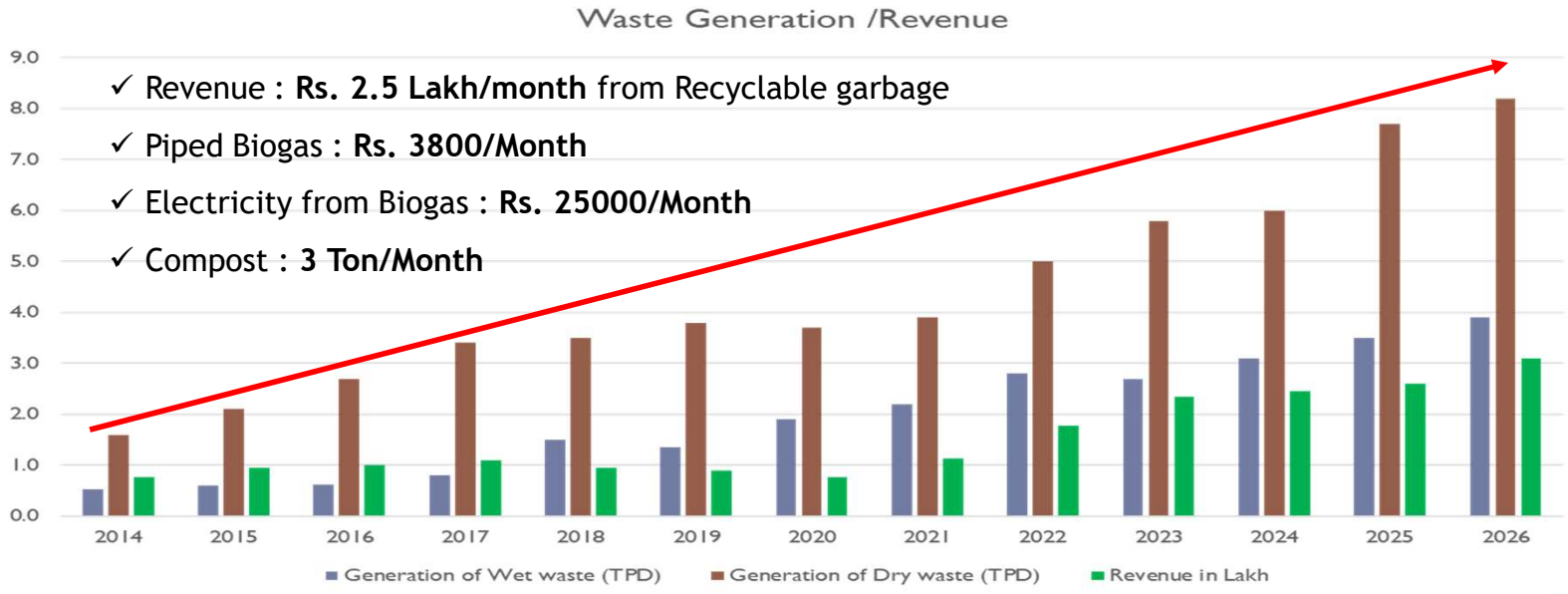
Segregation (Resource Recovery)

‘Up scaling of the Project’

Tangible Benefits

a m a z i n g AMANORA®

Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Sept 2026
Generation of Wet waste (TPD)	0.5	0.6	0.6	0.8	1.5	1.4	1.9	2.2	2.8	2.7	3.1	3.5	3.9
Generation of Dry waste (TPD)	1.6	2.1	2.7	3.4	3.5	3.8	3.7	3.9	5.0	5.8	6.0	7.7	8.2
Revenue in Lakh	0.8	0.9	1.0	1.1	1.0	0.9	0.8	1.1	1.8	2.3	2.5	2.6	3.1



Intangible Benefits

a m a z i n g AMANORA®

- Clean, green & hassle free healthy life to the Citizens
- Pride of Stakeholders (Citizens, Employee)
- Green house gas reduction (Pollution control)
- Benchmark for townships/local bodies/ULB's for Follow.
- Plants visited by students, environmentalist, Citizens & stakeholders
- Dissimilation of information to stakeholders thru training, talks, communications, Visits.



Biogas Engine





Up liftment of Morale / motivation for young & Old stakeholders

Replication potential within Sector

a m a z i n g AMANORA®

- Our is mini/ mid-size model, to be replicated in each housing society (Mini) as well ULB (Maxi) Level.
- We allow free access to all who want to replicate / learn/Share.
- Our self have replicated Biogas project in our Eco-tourism project at Roha an eco sensitive area identified by Madhav Gadgil, Dr. Katuriranjan & now permitted by MoEF&CC.
- Plan to develop more townships as owner & Project Mgt. Company, where we will replicate.
- Also promote PPP model, which has potential.

UG Biogas at Roha



Intrested Visitors



Apprecited by CM



Challenges / bottlenecks, while Implementing the project

a m a z i n g AMANORA®

- ***Excel Organic Waste Converter Modified*** : Saw dust as absorbing agent was replaced by bagasse & Leaf mold along with Food waste, available in township.
- Creating Awareness in labour & Citizens for segregation in food waste, for effectiveness of Compost and Biogas treatment technology.
- ***In Biogas Plant***: Blockage in Scum drainage & Recirculation of Overflow was sorted out by agitation, Recovery of water by dewatering of Overflow (WIP) by reverse engineering.
- Selling of Concept to Top Management which eventually was encouraged.



Innovated Overflow box



Agitator for Scum breaking

Achieving National benchmark / Standards

a m a z i n g AMANORA®

- **Environment parameter / emission** : Conversion of MSW in to Energy & Wealth in urban module.
- **Controlling Ground water Pollution** : No open dumping, even land fill.
- **Green House Gas / carbon Foot printing** : 360 degree treatment achieves this.

- Landfilling is an burning issue. Singapore by mini MSW plants could extend life of Semakau landfill life for 2035 to 2045. Indian Cities can learn from our model & minimize landfilling issues. (landfilling account for 5 % global emission)
- Amanora participitated in **"CII MISSION ON WASTE TO WORTH TECHNOLOGIES TO SINGAPORE" - 19th -23rd May 2025**. This exposure led to a Concept of Waste from Singapore to be processed in Myanmar / Shrilanka. (WIP)





Plans listed / priority for near Future

a m a z i n g AMANORA®

Besides effective EMP & MSW treatment, we plan

1. Inline with Maharashtra State Compressed Biogas (CBG) Policy 2026, we are working on : Feasibility of CBG Pilot projects like Bottling plant for Small Cylinders, Piped CBG to Residential Sectors, CBG Fuel Pump etc.
2. Sanitary waste management : Pilot project started from June 2026. Widely appreciated by Communities, Local bodies, Press.
3. Plan to practice this concept in Grampanchayat/ ULB's.
4. 4 Algae Trees installed in township more in pipeline including distribution to Hospitals.

This solar powered system absorbs Co2 from the air and releases Oxygen. Its claim that one unit does the work of 20-25 trees and can reduce 1.5 Tone Co2 Annually.





सैनिटरी वेस्ट प्रबंधन को बढ़ावा देने के लिए अमनोरा पार्क टाउन ने पैडकेयर हाउसिंग के साथ की साझेदारी

पुणे। पुणे की प्रमुख एकीकृत टा. उनशिप्स में से एक, अमनोरा पार्क टाउन ने एक अधिक सतत और जिम्मेदार आवासीय समुदाय के निर्माण की दिशा में एक और कदम बढ़ाते हुए अपने परिसर में जिम्मेदार सैनिटरी वेस्ट प्रबंधन को बढ़ावा देने के लिए पैडकेयर हाउसिंग के साथ साझेदारी की है।

सैनिटरी वेस्ट घरेलू स्तर पर उत्पन्न होने वाले कचरे की उन श्रेणियों में शामिल है, जिन पर अक्सर पर्याप्त ध्यान नहीं दिया जाता। जब इस्तेमाल किए गए सैनिटरी पैड सामान्य कचरे के साथ मिला दिए जाते हैं, तो इससे कचरा संभालने वाले कर्मचारियों के लिए चुनौतियां पैदा हो सकती हैं। ऐसे कचरे का अक्सर लैंडफिल में निपटान किया जाता है या ऐसी प्रक्रियाओं के माध्यम से इसका निस्तारण होता है, जो कचरा प्रबंधन के पहलू दृष्टिकोण को बढ़ावा नहीं देतीं। इस पहल के तहत निवासियों को घोत स्तर पर सैनिटरी पैड को अलग करने और समुदाय में स्थापित विशेष पैडकेयर सेलबॉक्स इकाइयों में उनका निपटान करने के लिए प्रोत्साहित किया जाएगा। एकत्रित सैनिटरी वेस्ट को इसके बाद पैडकेयर की व्यवस्थित संग्रह और रीसाइक्लिंग प्रक्रिया के माध्यम से आगे बढ़ाया जाएगा, जिससे इसे पारंपरिक निपटान के तरीकों से हटाकर संसाधन पुनर्प्राप्ति की दिशा में ले जाया जा सके।

Biodiversity and our plan on Environmental Best Practices

a m a z i n g AMANORA®

(01) Biodiversity, the variety of life on earth, acts as natural waste management system.

(02) But also waste harms biodiversity through pollution of land, water and air but we at Amanora can protect through.

(2.1) Solid Waste Management operated by us protecting pollution of land, water and air.

(2.2) We have Water conservation programs involving Citizens, employees & housemaids (Avanatikas), water recycling, water recharge, resulting in :

(i) *Per capita consumption of less 100 liters as compared to 135 liter per day the Indian norm.*

(ii) *100% of recycled water is used in flushing and gardening.*

(2.3) Ambient air quality in Pune city is average but at Amanora due to large green footprint and largest private garden with Algae Trees operating, it is certainly good if not excellent.

(2.4) Construction techniques, materials and practices promote environmental cause. In Pune Municipal Corporation there was evaluation of real estate w.r.t. USAID criteria (GreenCo type).

Learnings

a m a z i n g AMANORA

- Environmentalist are warning that world wide waste will peak up by end of century. In India it may peak up mid-century due to high pace of urbanization. We need to be ready by “Small is beautiful” Concept.

- Garbology is becoming discipline by itself. College /Universities to be take note for promoting awareness, research, technology, start ups – a way forward.

- Use of AI in automatic sorting, optimizing collection routes & predicting waste generation trends. Being done in Singapore.

- PPPs to be promoted for this activity.

Thank you

CITYGROUP