



URJA BIO SYSTEM PVT. LTD

WASTE TO ENERGY SOLUTIONS

An engineering contribution towards Sustainable Development



About us



- Urja Bio System Pvt Ltd is been started in 2006 and the main focus of the business was biogas & biogas based power generation and biogas distribution projects.
- Urja is providing complete waste management sustainable solutions to Dairies, Poultries, Sugar industries, Hotels, Slaughter houses , Local bodies and all bulk waste generator ..
- Urja has provided more than 200 + waste management solution and regulations for waste management and renewals across India and outside India also.

Urja is thoroughly involved with different bodies like UNIDO, MNRE, Different SNA's for strategically implementing govt rules e energy projects , support and actively participate in SBM(G) and GOBARDhan schemes implementation for rural upliftment.

Urja is actively working for the SATAT scheme and providing complete end to end solutions under one roof . This has created an opportunity for scientific waste management as well as increasing farmers income , reducing fuel import and many more.

Vision



To create a safe, efficient and effective waste management, disposal, and recycling system that protects the natural environment while supporting the vision to achieve a sustainable future.



To create a sustainable future ensuring better lives for the coming generations, through innovation, technology, efficiency, safety and service excellence.



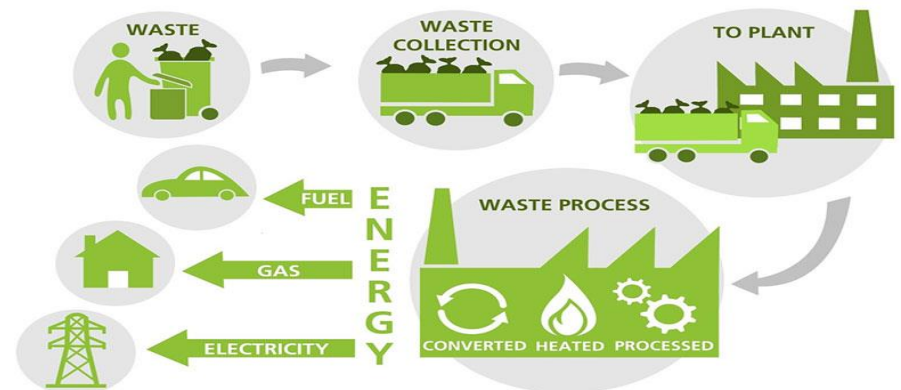
To provide innovative and technologically advanced solutions to help our clients implement cost effective strategies for waste management and sustainability.



To support the urgent required global actions to protect the environment with our technical solutions of waste recycling and renewable energy production.



To help keep our homes, neighborhood, city and environment clean.



VALUE PROPOSITION



Technology and
thought leadership



Data expertise and
understanding



Tailored and
pragmatic solutions



Approach in-line
UNDP goals



On-ground support fo
maximum impact



Scientific problem
solving approach



We act as thought partners
to help clients achieve their
goals



Systematic and technology
driven approach to sustainability



15+ years of experience and
understanding of market



50+ clients and channel
partners trust us



OUR SERVICES



1. ENGINEERING & DESIGN

- Design of waste management facilities
 - Anaerobic Digestion Unit (Wet & Dry)
 - Mechanical-Biological Treatment Unit
 - Composting & RDF Unit
 - Waste-to-Energy plant
 - Material Recovery Facility
- Design of sanitary landfill facility
- 'Operations & Maintenance' optimization



2. ADVISORY SERVICES

- Transaction Advisory
 - Bid consultancy
 - Preparation of Project reports
- Strategy & Assessment
- Due Diligence & Compliances
- Risk assessment & management
- Feedstock flexibility study



3. PROJECT MANAGEMENT CONSULTANCY

- Project supervision & monitoring
- Project under commissioning



Our Customers



Municipal Corporation



Consulting Firms



Regulatory Bodies



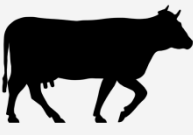
Corporate Clients



Dairy Industries



Poultry Farm



Goshala



Hotels



Sugar Industry

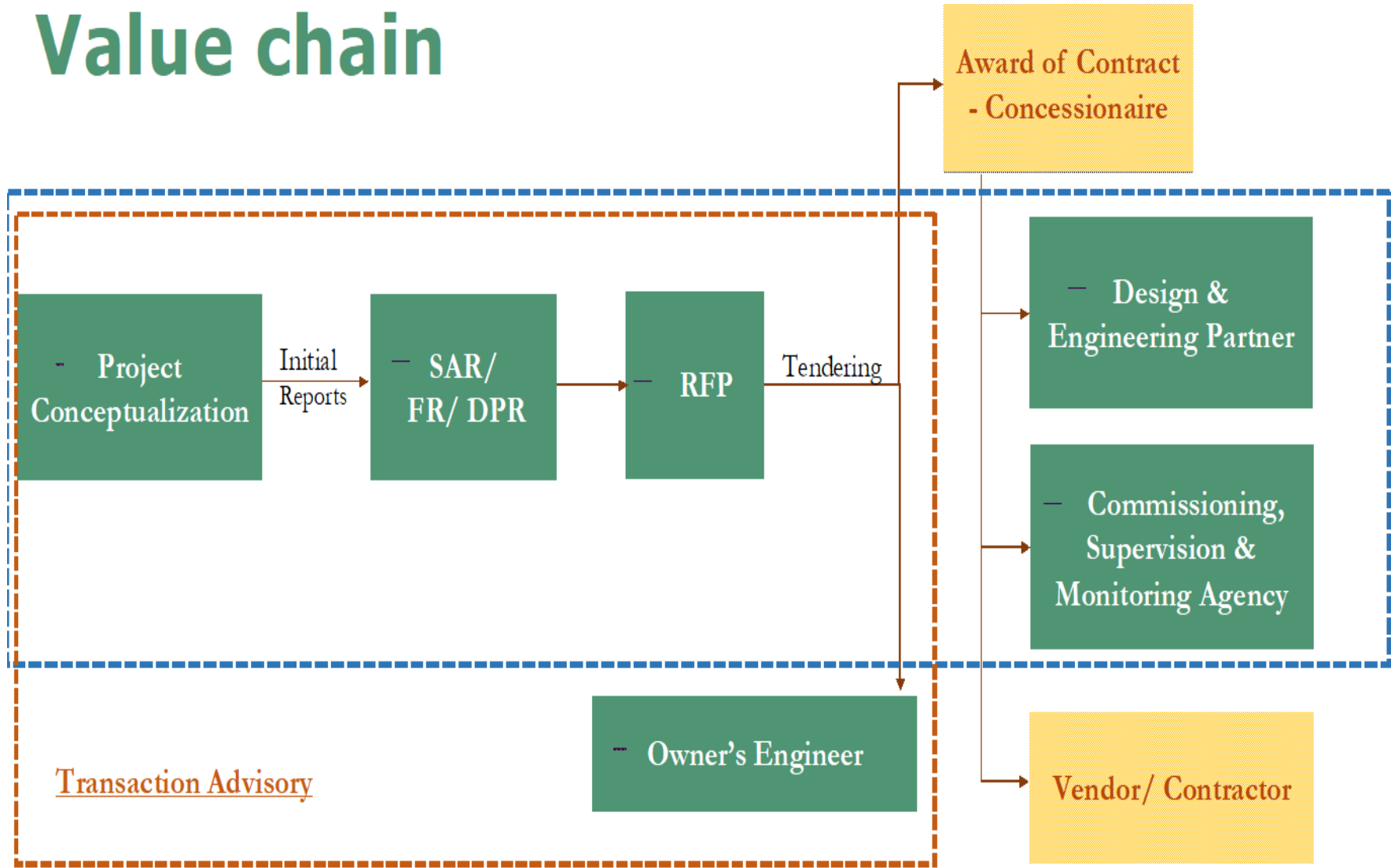


Slaughterhouses



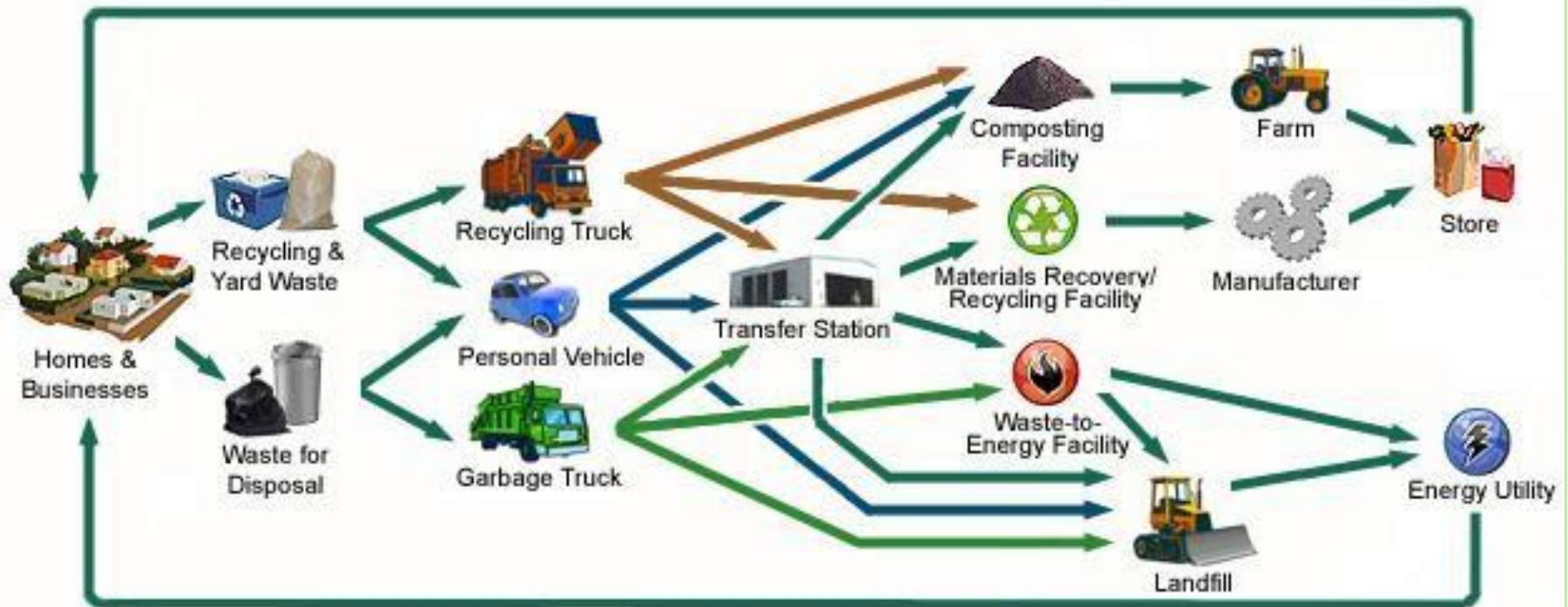
Waste Management Consortiums

Value chain

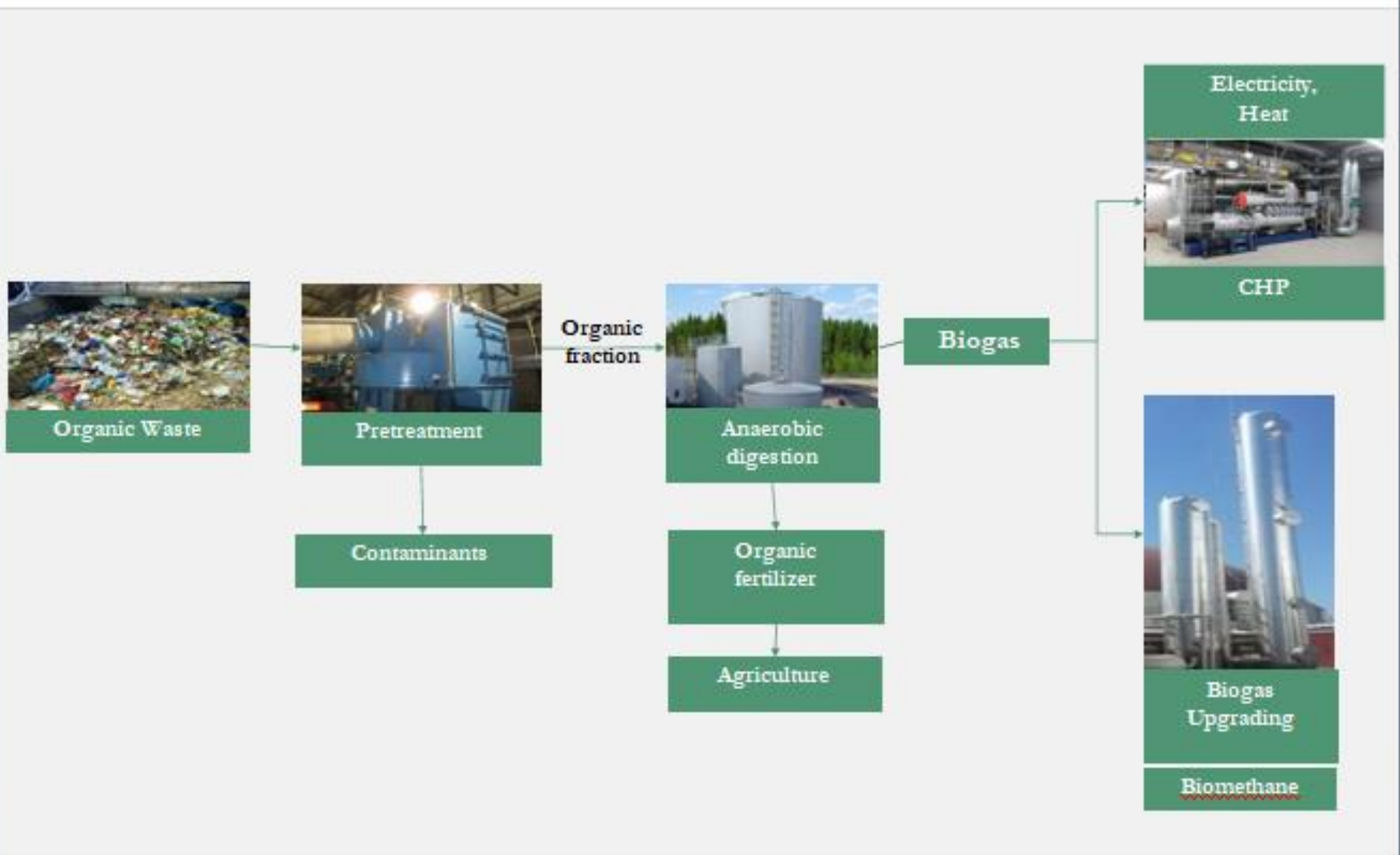


o Various waste management facilities :

1. Anaerobic Digestion (Bio- Methanation)
2. Material Recovery Facility (MRF)
3. Mechanical-Biological Treatment Plant (MBT)
4. Waste to Energy Plant
5. Refuse Derived Fuel (RDF)



○ Anaerobic Digestion Plants



• Anaerobic digestion (AD)

- Anaerobic digestion (AD) is an efficient technology well proven in industrial scale to convert organic waste in valuable resources as renewable biogas and biofertilizer.
- Biogas is produced in anaerobic digestion plants from organic waste. The composition of biogas depends on the type of organic waste that is treated, and the methane concentration of biogas can vary between 55 and 75 Vol.-%. The other essential component in biogas is CO₂, oxygen, nitrogen and hydrogen.
- AD plants can be operated energy self-sufficient and have a very high energy surplus. Energy that is not used for plant own consumption is sold and besides the waste tipping fee the key economical driver for the projects.
- The biofertilizers are nutritious (N, P, K) and can, if hygienized used directly in agriculture to substitute synthetic produced mineral fertilizers.
- Considering the current legal framework conditions as well as the future requirements for efficient, resources preserving and environmentally friendly plants we accompany the AD projects from the basic concept to completion and provide all necessary engineering services.
- Our activities include projects based on “wet” AD-technologies and our target is to develop the most economic technical solutions for our customers.



PHOSPHATE RICH ORGANIC MANURE (PROM)

- We believe manure is the main product of such plant and NOT the biogas. We are in technical collaboration with well-known NGO BAIF, which is known for its phenomenal work for rural and agricultural development.
- BAIF has developed suitable microbial culture which converts the digested slurry / dry manure to PROM (Phosphate Rich Organic Manure) .this products is direct replacement for SSP and DAP.
- Urja can take complete responsibility of technical support for this concept to commissioning step and put its all expertise to make those things in reality, we will ensure to convert the available dung , wet waste into green energy in complete scientific manner and to useful form of PROM .
- Phosphate Rich Organic Manure (PROM) is a type of fertilizer used as an alternative to Di Ammonium Phosphate and Single Super Phosphate Phosphorus is required by all plants but is limited in soil, creating a problem in agriculture



PROCESSING OF MANURE INTO PROM



Slurry Separator



Slurry Separator



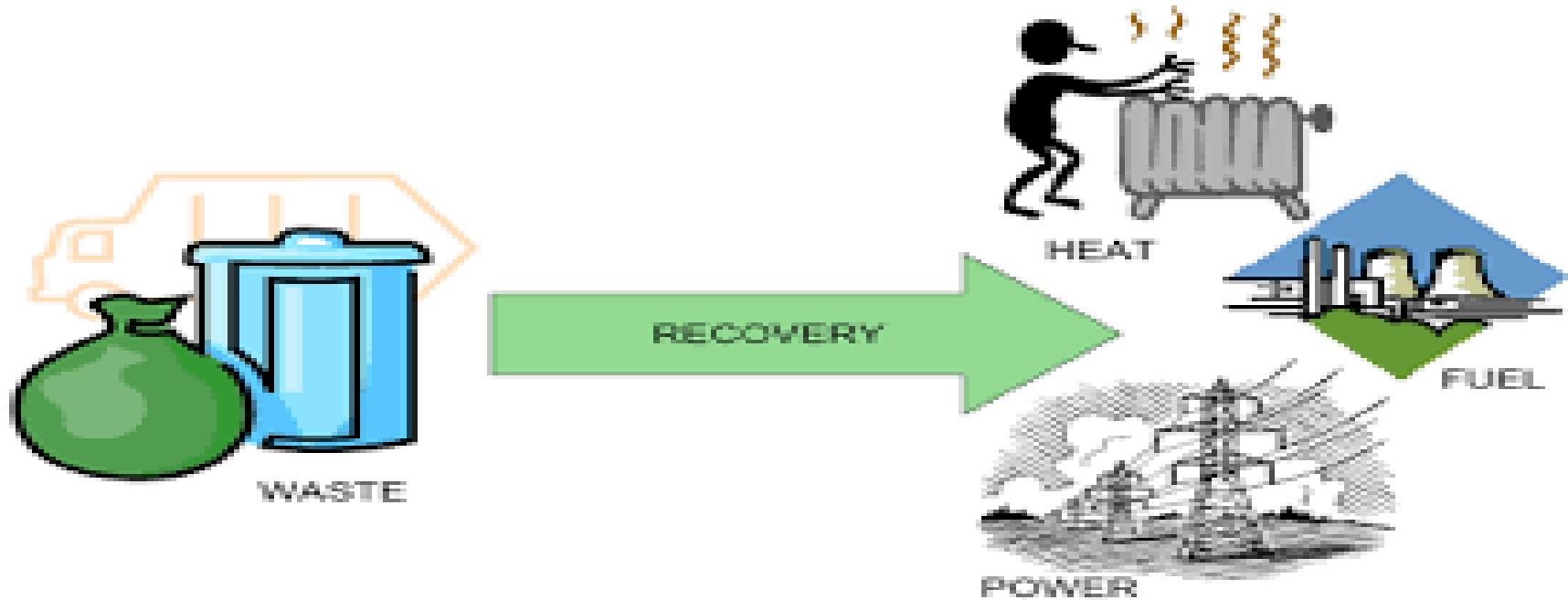
Granulator



Actual PROM



○ Waste to energy plant



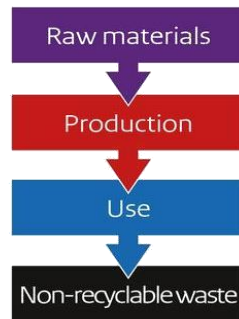
- Waste-to-Energy plants burn household and similar waste that could not be prevented or recycled. From this waste the plants generate energy. This can be in the form of steam, electricity or hot water.
- The most common type W2E technology used is the mass-burn system, where unprocessed MSW is burned in a large incinerator with a boiler and a generator for producing electricity.
- Another type of system processes MSW to remove most of incombustible materials to produce refuse-derived fuel (RDF).

o Advisory Services

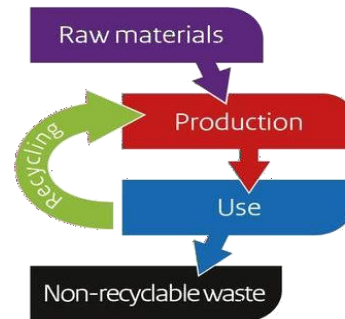
- o Our extensive experience in the field **help our clients to be more profitable and to reduce the environmental imprint** by -
- o Introducing the finest technology, mitigating the risks and defining the KPIs
- o Developing & executing pragmatic frameworks to manage waste, reduce cost, optimize processes and generate revenue using analytics and expertise.

Linear economy produces faster results, hence adopted by developing countries; **but it is not sustainable**, and can lead to disastrous results, failures and a literal 'mess'

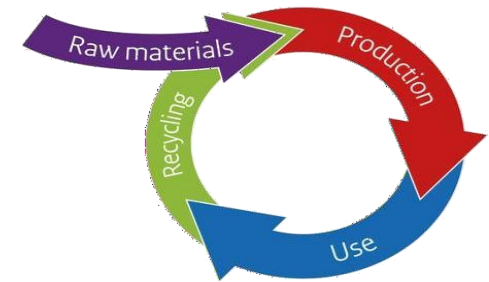
Linear Economy



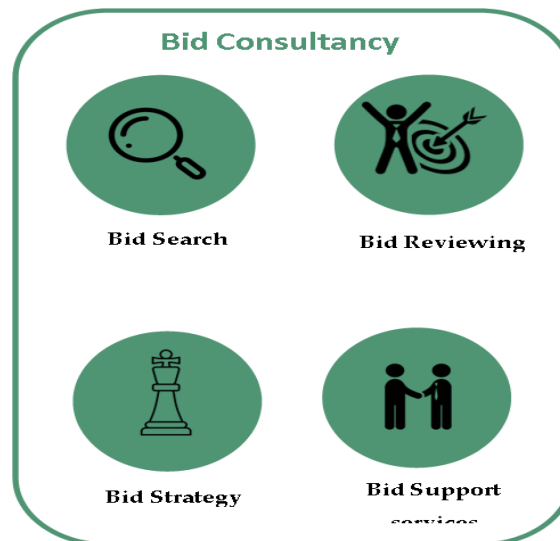
Reuse Economy



Circular Economy



Transaction Advisory



○ Strategy & Assessment

1. DUE DILIGENCE & COMPLIANCES

Expertise and experience based analysis, audit and evaluation services for all topics including green investment, regulatory compliances etc.

- Valuation & **cost optimization**
- Credible reporting to **facilitate decision-making**
- Analysis of industry and deal specific risks & opportunities
- **Feasibility study** based on trends & key industry drivers
- Providing recommendations on appropriate **technology**
- Devising **investment strategy** for maximum impact
- **Legal and technical checks** to meet standard



2. RISK ASSESSMENT & MANAGEMENT

- Determining kind of environmental risks exist for your project through our specified framework with mutually exclusive and completely exhaustive approach and determine how to mitigate those risks in best suited way to protect environment.
- Risk management services allow our Clients to make a pre-informed decision on Investment/ Divesture in a Target Company to address potential risks



3. FEEDSTOCK FLEXIBILITY STUDY

Our treatment technology will be able to process a variety of substrates independent from substrate composition as:

- Municipal solid waste
- Food waste, leftovers, biowaste
- Packaged food
- Residues from food & beverage production as brewery grains, potato slurry, slaughter house waste etc.
- Yard waste
- Energy crops
- Manure
- Sewage sludge



○ Project Management Consulting

1. PROJECT MONITORING & SUPERVISION

Expertise and experience Project Management Consultancy services:

- Ensuring project execution as per the specifications & timelines.
- Ensuring execution as per the approved drawings & documents.
- Real time project tracking
- Adhering to project schedule
- Ensuring EHS compliances on the project.
- Have the daily report and cross checking the key indicators
- Ensuring effective team-coordination
- Cost and time frame optimization
- Strategic procurement planning
- Facilitating access to global vendors
- Vendor Evaluation
- Vendor's document review



2 . PROJECT COMMISSIONING

Quality process for the start-up, stabilization

- performance evaluation and operation:
- Support in pre-commissioning/commissioning & start-up procedures.
- Making O&M manuals
- Preparing SOP
- Preparing safety procedures
- Coordinate and support for commissioning
- Trouble shooting
- Conducting performance test-run



LIST OF FEW NOTABLE PROJECTS IN INDIA AND OVERSEA

DAIRY FARMS AND ANIMAL HUSBANDRIES

Sr. No	Name of the Firm	Place	Electricity Generation KW
1	Sundar Dairy	Vidisha, M.P	50
2	Govind Baug	Baramati ,Pune	12
3	Sarda Dairy Farm	Nashik	150
4	Modern Dairy Farm	Nashik	50
5	Sarda Dairy Farm	Raipur, CG	200
6	Nutri India Food & Dairy Farm	Gurgaon,Haryana	24
7	Haveli Dairy Farm-	Telangana, AP	150
8	Kapila Dairy Farm	Telangana, AP	150
9	Bull Mother Farm	Bhopal, M.P Govt	24
10	J K Farms	Kollam – Kerala	50
11	Olitia Foods	Jaipur, Rajasthan	24
12	Navsagar Dairy	Dhanera, Gujarat	50
13	Arco Steel	Kheda, Anand Gujarat	50
14	DS Group (Rajnigandha Pan Masala wale),	Gurgaon,Haryana	100

Sr. No	Name of the Firm	Place	Electricity Generation KW
15	NDDDB	Alamadhi, Tamilnadu	24
16	Buffalo Research Center	Hisar, Haryana	50
17	BAIF	Urali Kanchan	12
18	SRC Farm	Kolkata	50
19	Happy Milk	Banglore	150
20	Baghyalaxmi Farm	Manchar ,Pune	300
21	Nutri Milk	Indore	50
22	Muralya Dairy Farm	Tamilnanu	150
23	Subham Milk	Pune	24
24	Nimai Dairy	Sangamner	24
25	Shree Ganesh Dairy	Talegaon	24
26	Aba Sutar Dairy	Pune	40



FOOD & VEGETABLE WASTE

Sr. No.	Name of the Firm	Place	Electricity Generation KW
1	Vengurla Municipal Corporation	Vengurla,MH	12
2	Parbhani Municipal Corporation	Parbhani, MH	100
3	Ambejogai Municipal Council		
4	Baramati Municipal Council	Baramati,MH	40
5	Sangamner Municipal Council	Sangamner,MH	12
6	Grampanchayat Thikekarwadi	Thikekarwadi, MH	15
7	Indocount Textile ETP	Kohlapur, MH	100
8	Sneha farm ETP	Hydrabad	100
9	MGM Collage	Aurangabad	24
10	Rythu Bazar	Siddhipeth,Telangana	10
11	Raymond Industrial	Yawatmal, MH	Thermal Application
12	BPCL	Nagpur, MH	Thermal Application
13	L&T	Chittapur, Karnatak	Thermal Application
14	Xavier School of Management	Jamshedpur, Bihar	Thermal Application
15	Collage of Military Engineering	Pune, MH	Thermal Application

Sr. No.	Name of the Firm	Place	Electricity Generation KW
15	University of Petroleum and Energy Studies	Dehradun	Thermal Application
16	Allana	Zahirabad	Thermal Application
17	Hotel Muti-Spice	,Pune	Thermal Application
18	Crompton Greaves	Ahemadnagar	Thermal Application
19	Institute for Career Development,	Kollam, Kerala	Thermal Application
20	Hotel Green park	Pune	Thermal Application
21	Hotel Bright land	Mahabaleswar	Thermal Application
22	Hotel Raj Ratna-	Chakan, Pune	Thermal Application
23	MIT, college of Engineering	Pune	Thermal Application
	Many are under construction		



POULTRY FARMS WASTE

Sr. No.	Name of the Firm	Place	Electricity Generation KW
1	Srinivasa Hatcheries	Hyderabad	100
2	Avee Broilers	Nashik.	200
3	Geetanjali Breeders	Pune	50
4	V R K Nutritional Solutions	Sangli	200
5	S & P Feeds Pvt Ltd.(Anand Agro),	Nashik	200
6	Sushila Agrovet	Satara	100
7	Siddhivinayak Poultry	Kurkumbh	100
8	Om Chicks	Yawat	150
9	Sri Rajeshwara Hatchery	Hyderabad	100
10	Amrit Breeder Farm Pvt Ltd	Tamilnadu	75
11	Aarush Breeding Farm	Hydrabad	100
12	Prabhat Breeding Farm Pvt Ltd. (Venkys)	Roha	75
13	Sunmax Hatcheries,	Hyderabad	200
14	Kissan Hatchery	Hariyana	200
15	MKM Farm	Raigad	75

On Going Projects

Sr. No.	Name of the Firm	Place	Electricity Generation KW
1	Margao Municipal Council	Goa	40
2	Cancona Municipal Council	Goa	40
3	Akola Municipal Corporation	Akola,MH	100
4	Sillod Municipal Council	Sillod,MH	40
5	Shegaon Municipal Council	Shegaon,MH	40



○ Community Biogas Projects

- 4 TPD biogas plant for pipe line distribution to 60 Households at village Thikekarwadi, Taluka-Junnar, District Pune, here we have also installed manure processing plant to convert it in to PROM and liquid fertilizer processing and bottling unit
- 5 TPD biogas plant for pipe line distribution to 120 household at Village – Khairkhund, District – Raipur, C.G.

○ Bio-CNG Bottling Projects

- 30 TPD food waste biogas to Bio-CNG project at Kalyan- Dombiwali Municipal Corporation with Godrej, Mumbai, First of this kind CSR project.
- 25 TPD Poultry Litter based biogas to Bio-CNG project at V R K Nutritional Solutions Sangali
- 30 TPD food waste biogas to Bio-CNG project at Vizag
- 60 Ton poultry waste based Bio CNG at Hyderabad



○ Overseas Projects

- 7.5 TPD dung waste biogas to power generation plant at Lusaka, Zambia.
- 5 TPD fruit processing waste to power generation plant at Elvenagri ltd., Dar-E-Salaam, Tanzania.
- 2.5 TPD dung waste to power generation plant at Gambia



WHY URJA BIO SYSTEM ?

- In over 15 years of work, we have developed a know-how and a production capacity unique on a world-wide level, which ensure the excellence of the plants, the maximum quality of both the installation and after-sales service.
- High performance process: top input flexibility at minimum footprint and minimum OPEX
- Strong process liability, smart but not sophisticated.
- Customized solutions, based on modular technology.
- We create a relationship with our customers and partners based on honesty and trust: we produce, install and manage the plants as if they were ours.
- We provide waste valorization solutions from engineering and construction to O&M. Urja has an integrated renewable approach for all projects.
- Decades of engineering experience, a skilled service team and fair conditions all help maintain a high level of customer satisfaction

OUR CLIENTS



THE MANAGEMENT



Mr. Gajanan Patil

Managing Director

BE (Chemical)

M.S. (Clean Technology) UK

Environmental Management System Lead

Urja Bio System Pvt. Ltd.(Managing Director)

- 15+ extensive experience in waste treatment sector.
- January 2004: Siemens Power Generation, Newcastle Upon Tyne, UK
- January 2005 Waste Watch Services (Environmental Consultancy), London, UK
- Worked on 'Environmental Status Report' of Pune city during 2007
- Three big size biogas based power generation plants (ranging from 1 MW to 1.5 MW) as consultant for industrial effluent.
- More Than 200 installation of Medium Size Biogas projects across India.
- More than 10,000 Family size biogas plants Installations across Maharashtra.
- Zambia's First Biogas based power plant for Cattle Farm & Fruit waste based biogas to power at Tanzania
- Doing consultancy for Zilha Parishad for solid waste management since last 5 years.

OUR EXECUTIVE EXPERTS



Mr. Satish Bharad
Business Development
Manager

Mr. Rajkumar Mane
Head Projects and Purchase



together everyone
TEAM
achieves more



Mr. Arhan Chaudhari
Sr. Manager Civil Engg.

Mr. Amar Patil
Business Development Manager



Mr. Sanjeev Magar
Head Civil Engg.

Mrs. Aarti Gajare
Marketing Manager



TEAM URJA



Mr. Praveen Singh
Project Engineer
BE (Civil)

Miss. Kinjal Khaire
BE (Civil)
ME (Env. Engg)
Asst. Manager Civil



Mr. Tushar Patil
Project Engineer
BE (Civil)

Mr. Shubham Sathwane
Project Engineer
BE (Civil)



Mrs. Yashshree Baviskar
Business Development
Executive

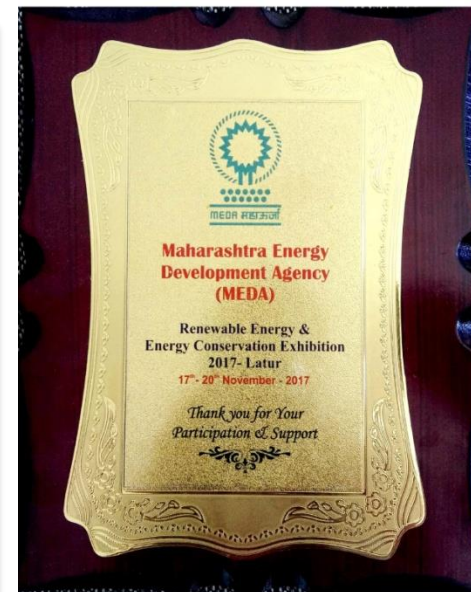
Mr. Hanumant Dubal
Accounts Manager



Mrs. Kiran Patole
Admin. Executive



List of Award Received:



- Maharashtra Chamber of Commerce & Agriculture (MCCIA) first generation successful entrepreneurs, PUNE. "UDYOJAKTA PURASKAR" 2016.
- State level award received from "PADMAVIBHUSHAN Honorable Dr. ANIL KAKODAR" (Ex Chairman, Atomic Energy Commission) by Maharashtra State Mango Grower Farmers Organization at Mumbai in the year 2017 for our contribution in sales promotion & awareness at Mumbai organized.
- Participated in International Training cum study tour to Biogas and Waste to Energy Plant in Austria, Czech Republic, Germany and Sweden from 14 to 22 July 2019.
- ISO Certificate Awarded ISO 9001:2015 for Projects Consultancy Services of Agriculture Waste to Energy Solutions & other organic waste treatments.





- ONGC felicitated for our contribution in waste management & treatment in the year of 2009.
- “Bharat Ratna Rajeev Gandhi Paryavaran Bhushan Puraskar 2014” from Maharashtra Pradesh Congress Committee.
- “Ahmedabad Management Association & Swachh Bharat Abhiyan”, Gujarat State awarded us a Certificate of Appreciation.
- State Level Award for our contribution in biogas & waste management by NGO called “Samajik Parivartan Sanstha, Osmanabad” in the year 2017.
- Participated in State level Multipurpose Organic and Agriculture Exhibitions, Balghat on 7th to 9 March 2018.
- “Indian Achievers' Award, 2020-21”



APPRECIATIONS



SHARAD PAWAR
Member of Parliament
(Rajya Sabha)

Letter of Appreciation

I congratulate the Team - Urja Bio system Pvt. Ltd . Shivajinagar, Pune for their excellent work in the field of Biogas based power generation.

They have set up 500 Kg per day cattle dung based Biogas Plant with power generation capacity of -10 KW (Kirloskar Biogas Genset) at Govind Baug, Baramati.

I hope that this type of project will be replicated at many places for dairy and poultry farmers to make farmers self sufficient in terms of power and revenue from manure.

I wish Shri Gajanan Patil and his team all the best for their future endeavors.

Date : 14th January 2021.

(Sharad Pawar)

Resi : 6, Janpath Road, New Delhi - 100 011 (India) Tel : 011-23018870, 23018619 Fax : 011-23018609
Silver Oak Estate II, Bhulabahi Desai Road, Mumbai - 400 026. Maharashtra.
Tel : 022-23525244, 23515222 Fax : 23538911
Email : sharadpawar.sp@gmail.com

CERTIFICATE OF APPRECIATION

Indian
Biogas
Association

PROUDLY PRESENTED TO

Urja Biosystems Pvt. Ltd.

as the **1st Runner up** in **e-Awards Ceremony** (Category: Operational Excellence in Biogas plants) conducted by **Indian Biogas Association.**

05/12/2020
DATE

Dr. Atma Ram Shukla
Ex-Advisory MNRE,
President, IBA

Gaurav Kedia
Chairman, IBA



CERTIFICATE OF APPRECIATION

Indian
Biogas
Association

PROUDLY PRESENTED TO

Urja Biosystems Pvt. Ltd.

as the **2nd Runner up** in **e-Awards Ceremony** (Category: Circular Waste Management - Biomethanation) conducted by **Indian Biogas Association.**

05/12/2020
DATE

Dr. Atma Ram Shukla
Ex-Advisory MNRE,
President, IBA

Gaurav Kedia
Chairman, IBA





First bio-methanation plant to come up at SGPDA fish market in Margao

NT NETWORK
Margao

The first bio-methanation plant will come up at the South Goa Planning and Development Authority (SGPDA) owned fish market since the SGPDA has provided the NOC to the Margao municipality and that the Margao municipality had issued the work order for the Urja Bio System Pvt Ltd, a Pune-based company with the deadline to complete and commence the operations within the next six months.

The cost of 5 tonne per day (TPD) bio-methanation plant is estimated at Rs 2.40 crores. The chief officer Agnelo Fernandes' stand to try with just one such bio-methanation plant installation even though the Government of Goa had accorded the approval for three such machines was applauded by the citizens of Margao claiming it was a 'wise decision'.

THE PLANT

The first bio-methanation plant will come up at the South Goa Planning and Development Authority (SGPDA) owned fish market since the SGPDA has provided the NOC to the Margao municipality and that the Margao municipality had issued the work order for the Urja Bio System Pvt Ltd.

Sources informed that the Urja Bio System Pvt Ltd is to commence the works soon however delay may be caused due to the scheduled municipal election.

The SGPDA member secretary Vertika Dagur had informed that the SGPDA had given the permission for the Margao municipality to set up the 5 TPD bio-methanation plant at their fish market. It was also informed that permission was also granted to put up similar bio-methanation plant at the wholesale fish market.

It may be recalled that there

was a controversy created on the bio-methanation plants' proposal. While the Directorate of Municipal Administration (DMA) had approved the Rs 2.4 crore worth one 5 TPD bio-methanation plant, based on the proposal of the outgoing Margao municipal council, the Goa waste management corporation had proposed similar 5 TPD bio-methanation plants of almost double the amount at SONSODDO.

There was therefore a chaos created by the opposition councillors in one of the council meetings after the ruling council backed by the Goa Forward Party resolved to approve it. The five high cost 5 TPD bio-methanation plants proposed at SONSODDO in a phased manner was to be borne by the council utilising the 14 finance grants. It was however kept on hold by the government and instead went ahead with the low cost bio-methanation plants.

Chhattisgarh village shows way for sustainable, healthy living

TNN | Jun 1, 2020, 02:12 PM IST



RAIPUR: Aiming to create a self-reliant organic village, people of Khairkhat, a rural community with a population of 2,000 odd people, have formed a cooperative society and began utilizing local resources for supplying cooking gas to household and bio-fertilizers and bio pesticides for farming.

Located at about 34km from the state capital, they now proudly call it as 'Khairkhat model of rural development' where unproductive livestock are taken care of, cow dung is purchased from locals for biogas and bio-fertilizer, milk procured from farmers and electricity generated through solar power—all to meet the local demand.

"We have realized that chemical fertilizer is a big issue as it's not only harmful for soil and crop but also for environment. Now, this village have its own bio-gas plant through which every household has been provided cooking gas connection. Bio-fertilizer produced is used for farming. This enhances the quality of soil but will also save a huge fraction of money of farmers. The farmers will also get good prices even double for their produce being 'organic'", says Khairkhat sarpanch Shiv Hanumanta.

"It was just a humble beginning. Initially villagers were sceptical when the idea of having a bio-gas plant. Now things have taken a concrete shape. Almost all the households are being provided bio-gas—two times a day—through pipelines", he explained.

कचरा प्रकल्प उभारणीतून वीजनिर्मिती मडगावात जीसुडाच्या समितीकडून जागेची, प्रकल्प साहित्याची पाहणी

प्रतिनिधी | गोवन वार्ता

मडगाव : ऊर्जा बायोसिस्टिम प्रायव्हेट लिमिटेडकडे एसजीपीडीच्या किरकोळ मच्छीमार्केटच्या नवीक पहिला पाच टन प्रति दिन ओल्या कचऱ्यावर प्रक्रिया करण्याच्या प्रकल्पाच्या कामाला शुक्रवारापासून सुरुवात झाली आहे. गोवा राज्य साधनसुविधा महासंघाच्या अधिकाऱ्यांनी पालिका अधिकारी व प्रकल्प अधिकाऱ्यांसह जागेची व प्रकल्पासाठी लागणऱ्या साहित्याची पाहणी केली. प्रकल्प उभारणीसाठी खोदकामासाठी सुरुवात करण्यात आली आहे.

मडगाव पालिकेकडून कचरा संपस्था संघटित आणण्यासाठी पाच टन प्रत्येक दिवशी ओल्या कचऱ्यावर प्रक्रिया करू शकणाऱ्या समवेत तीन प्रकल्प उभारण्यात येणार आहेत. या प्रकल्पातून वीज निर्मितीही केली जाणार आहे. हे प्रकल्प उभारणीचे काम पुणे येथील ऊर्जा बायोसिस्टिम



एसजीपीडीए मार्केटनजीकच्या ५ टीपीडी कचरा प्रकल्पाच्या कामाची पाहणी करताना जीसुडा, पालिका अधिकाऱ्यांचे पथक.

प्रायव्हेट लिमिटेडकडे देण्यात आलेले असून संस्थेचे संचालक नितीन देशपांडे यांनी या कामात लक्ष घातले आहे. पहिला कचरा प्रक्रिया प्रकल्प एसजीपीडीच्या किरकोळ मच्छी मार्केटनजीक, दुसरा धाऊक या प्रकल्पातून वीज निर्मितीही केली जाणार आहे. हे प्रकल्प उभारणीसाठी १ कोटी ५० लाख रुपये इतका खर्च

उर्जा बायोसिस्टिमचे संचालक देशपांडे यांनी दिलेल्या माहितीनुसार, या पहिल्या प्रकल्प युनिटची उभारणी १० एप्रिलपासून करण्यात आली आहे. प्रत्यक्ष कामाला शुक्रवारापासून सुरुवात केली आहे. या प्रकल्प उभारणीसाठी १ कोटी ५० लाख ९० हजार २०० रुपये इतका खर्च

होणार आहे. तर त्यानंतर पाच वर्षे प्रकल्पाच्या देखभाल दुरुस्तीसाठी एक कोटी १२ लाख दहा हजारांचा खर्च केला जाणार आहे. या ५ टीपीडी प्रकल्पासाठी पाच वर्षांसाठी एकूण २ कोटी ४० लाखांचा खर्च केला जाणार आहे. जागेवर प्रत्यक्ष काम कसे केले जाणार याची माहिती जीसुडा व पालिका अधिकाऱ्यांच्या पथकाकडून

मान्सूनपूर्वी जास्तीत जास्त काम पूर्ण करण्याचे उद्दिष्ट : देशपांडे

संचालक देशपांडे यांनी सांगितले की, सध्या प्रकल्पाच्या जागेवरील जुने बांधकाम पाडून पायासाठी खोदकाम सुरू आहे. तसेच १५ ते १७ कामगारांसह सुपरवायझरी कामाच्या टिकाणी उपस्थित आहेत. या प्रकल्प उभारणीसाठी सहा महिन्यांचा कालवधी असला तरी जास्तीत जास्त काम हे मान्सूनपूर्वी पूर्ण करण्यावर भर देण्यात येणार आहे.

देण्यात आली. या प्रकल्पासाठीचे इलेक्ट्रिक व मेकॅनिकल साहित्य प्रकल्पाच्या टिकाणी पोहोचलेले आहे. तर प्रकल्पाच्या पाया उभारणीसाठीचे साहित्य शनिवारवर्षेत येणार असल्याचेही प्रकल्प अधिकाऱ्यांनी जीसुडाच्या अधिकाऱ्यांना सांगितले.

विद्युत्सिरीय पध्दिका बायोगॅस विद्युत प्रकल्पाचा उद्घाटन

श्री विलास मुत्तारवार (मंत्री अ. मंत्रालय) कोल्हापूर जिल्ह्यात बायोगॅस प्रकल्प उद्घाटित करताना.

Shri Vilash Muttarwar (Minister of MNR) Inaugurating Biogas Power Plant at Nasapur MH - 7th NOVEMBER, 2008

जिल्ह्यात बायोगॅस ऊर्जा प्रकल्प रावविचार

बायोगॅस (सहकार) शिर्डी-४ येथे प्रकल्प, मार्च २०१३ पर्यंत प्रकल्प उद्घाटन करावयाचे

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Interview of Mr. Gajanan Patil Published in LOKMAT NEWS PAPER: 6th JULY, 2014

आता देसेवरही बायोगॅस प्लँट

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DAINIK LOKMAT, KOLHAPUR NEWS PAPER - 16th DECEMBER, 2012

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अखिलीय ठिकेकरवाडी (स. पुणे) - पुणे ८० जवळ राहणे काही उपाययोजना अखिलीय बायोगॅस प्रकल्प.

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बायोगॅस प्रकल्प उद्घाटित करण्यात आला.

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