B.S. Abdur Rahman Crescent Institute of Science & Technology
Deemed to be University u/s 3 of the UGC Act, 1956

17.3.12 a – Progress against SDG12 – Consumption and Production (Waste Management System)

WASTE MANAGEMENT PRACTICES

- B.S. Abdur Rahman Crescent Institute of Science and Technology takes initiatives to manage the different types of waste generated in the campus. The waste management includes
- Solid waste management
- Liquid waste management
- E-waste management

SOLID WASTE MANAGEMENT

- B.S. Abdur Rahman Crescent Institute of Science and Technology is committed to ensure that the built infrastructure of the institute has sustainability as a core principle in maintenancemanagement of the campus.
- Estate office aspires to follow a range of sustainable design features and practices implemented to build and maintain the institute as a complete green and sustainable campuscontinuously.
- The solid waste management is practiced to safely dispose the waste generated at the campus by way of segregating the waste as organic waste, recyclable waste and inert wasteand processing the waste thus segregated.
- Implementation of solid waste management inside the campus is outsourced to GREEN SERVICES TRUST and an average of Rs. 24.0 lakhs per annum is spend towards salary forthe staffs.
- Every year our institute contributes waste papers towards national recycling initiative organized by ITC Ltd (paper boards & specialty paper division) which is equivalent to saving750 trees on an average.
- Our Institute received certificate of Appreciation from Green Services Trust for partnering in implementing solid waste management project in the campus in an environment friendly manner and diverted 1,44,655 Kg of waste from landfill to recycling during the year 2017- 2018.

WASTE QUANTIFICATION DATA – FROM 2016 TO 2020:

- Total Waste Collected: 10,34,971 Kgs.
- Total Organic waste: 4,53,949 Kgs.
- Total Recyclable waste: 2,15,496 Kgs.
- Total Inert waste: 3,65,524 Kgs.

ACTIVITIES CARRIED OUT

- Two bins system is followed for waste collection one for organic and one for recyclables.
- Collection of waste from the campus is done through a tractor and with the support of six-man power.
- The collected segregated waste will be unloaded at the waste processing yard and processedthrough 15 staff called as 'Green friends'.
- The waste generated at the campus will be processing as per SWM Rules 2016
- Bio-degradable waste is composted under windrow composing method.
- Recyclable waste is further segregated and disposed through vendors on need basis.
- Sanitary napkins waste is safely disposed using an incinerator fitted with wet scrubber for pollution control
- Food waste is fed in the bio gas plant and the gas is utilized for cooking purpose in the canteen
- E-waste and hazardous waste is handed over to the authorized processors and certificate ofdestruction as per norms is obtained from the processor.
- 15 Green Friends (persons engaged for waste processing) engaged to carry out above mentioned work. 2 Supervisory staff also been engaged for coordination and awareness creation activity at the campus and 6 green friends are engaged for waste collection and maintenance of bio gas plant.
- Different types of Solid waste management Training and Awareness program conducted to college students, staff, Housekeeping workers, security and green friends.
- The harvested bio compost will be given to the estate office every month, nearly 2000kgs, for garden use
- Every month around 4000kg of recyclable waste is removed from waste yard for process.

LIQUID WASTE MANAGEMENT

- The University takes sufficient measures to treat the wastewater generated within the premises and it ensures that the treated water is reused within the campus. Estate office has established suitable and sustainable sewage treatment plants with the design features to completely treat the wastewater generated in the university.
- 2 nos. of Sewage treatment plants of 250KLD capacity are available, one for Men's Hostel and one for Institute campus.
- The sewage generated in the University is generally characterized by the presence of organic, inorganic and suspended solids.
- The chain of treatment is aimed to remove such pollutants from the wastewater so that it canbe effectively reused.
- The treatment system consists of preliminary treatment system followed by the primary and secondary treatment process.
- The preliminary treatment system aims the removal of floating bodies and grits from the waste water. Bar Screens are used in the treatment plant to remove materials like plastics and other floating objects.
- The grit chambers are used to remove sand and silts from the wastewater.
- The primary sedimentation tank helps in the removal of the suspended solids.
- The biological treatment system is the secondary treatment process used in the removal oforganics from the wastewater
- The suspended solids are removed using the primary sedimentation tank and after this thewastewater is subjected to biological treatment to remove the organic content from the waste.
- The secondary treatment process is incorporated with ECO-BIO BLOCK so as to increasethe efficiency of the treatment system.
- The Eco-Bio Bricks helps in the attachment of bacteria in the treatment system and helps inthe better removal of organic content from the wastewater.
- This attached system will also help the treatment system to handle shock loadings if there isan increase in the organic loading rate in the biological treatment system.
- The sewage treatment plant is working on the principle of attached growth aerobic system(Eco-Bio Block) followed by sand filter and carbon filter.
- The carbon and sand filter ensures that any amount of organics that is left in the

wastewateris suitably adsorbed from the wastewater and it is stored in the collection tank.

- The entire Sewage Treatment Plant is periodically subjected to maintenance regularly.
- The working of all the pumps and valves are checked periodically to ensure the smoothfunctioning of the sewage treatment plant.
- The treated water is used for landscaping and toilet flushing purpose.
- This helps the university to reduce its dependency of fresh water from wells for gardening.
- The physical, chemical and biological characteristics of the treated water are tested to ensurethe efficiency of the treatment systems.
- Some of the important parameters checked include pH, solids, Chemical oxygen demand,Biochemical oxygen demand, Nitrates, chlorides etc.
- The treated wastewater is checked periodically to ensure its quality so that it can beeffectively reused for gardening and as well for the toilet flushing.

E-WASTE MANAGEMENT

- The institute takes sufficient measures to dispose the e-waste generated inside the campusproperly.
- Our Institute also takes initiatives to reduce the generation of e-waste in the campus

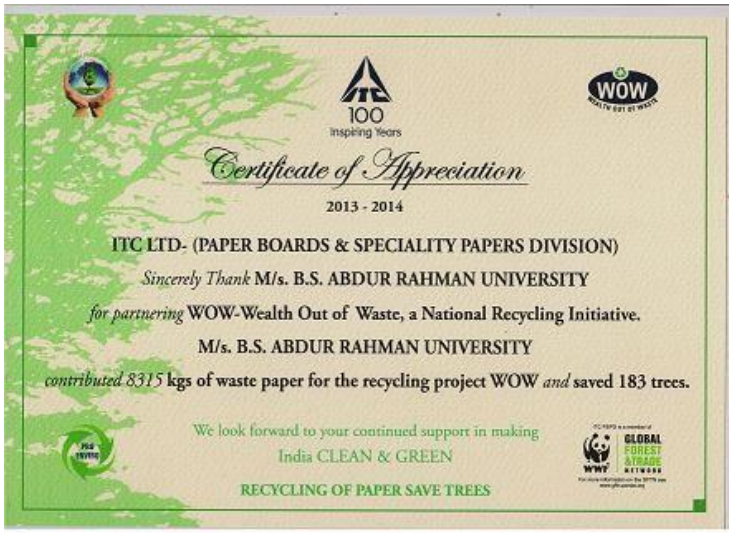
- All obsolete electrical and electronic waste is disposed as e-waste to vendors for proper destruction without damaging the environment and certificate for such destruction and disposal are obtained.
- Electronic waste that are disposed includes
- Old TVs, computer monitors, printers, scanners, keyboards, mouse, Radio, Phones, Fax, Photocopy machines, cables from computer laboratories of various departments
- Flip flops, memory chips, motherboard, compact discs, cartridges
- Kitchen equipment from staff quarters and hostels like toasters, coffee makers, microwave ovens etc.
- Laboratory equipment’s from various departments.
- Totally 2330kg E –waste generated is destructed every year.
- The condemned electronic equipment’s are handed over to the estate office on

a regular basis by the departments after checking or inspection by a committee consisting of Senior Professors. Once the equipment's are certified as obsolete or non-working it is condemned and handed to estate office.

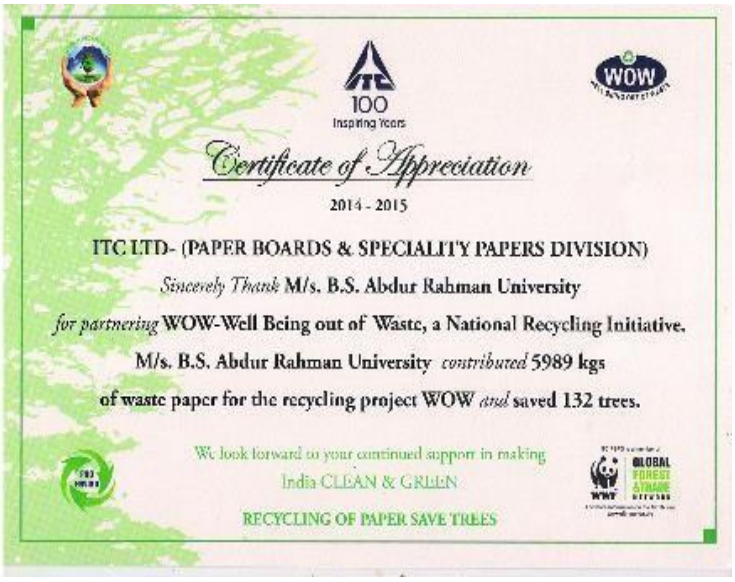
- This E waste which is collected is then disposed to vendors.
- It is also ensured that the generated E wastes are not disposed along with the other solidwaste generated in the campus.
- Collection of e waste separately is a sustainable approach to prevent such waste reachingthe landfills and also provides an opportunity to recycle such waste.
- The e waste collected separately is handed over to the vendors for recycling or disposal.
- The company GEMS recycling PVT Limited, Neervallur Village, Kanchipuram district, Tamilnadu collects all the waste.
- Our institute has received certificate for destruction and disposal of waste from the company for reprocessing/recycling the waste without harming the environment in an ecofriendly manner.
- A Standard Operating Procedure has been evolved for handling the waste disposal system.
- Awareness is also created among faculty, students and also office bearers on the usage of electronic goods, its usage and also on the ways that it has to be collected and disposed
- Electronic goods are put to optimum use; the minor repairs are set right by the supporting staff and the Laboratory non-teaching faculty and the major repairs, by the professional technicians, and are reused.
- The damaged computers are used by the instructors in the practical sessions. Finally, they are exchanged with the local dealers.
- UPS Batteries are recharged / repaired / exchanged by the suppliers.
- The waste compact discs are reused by civil engineering/architecture students for decoration/participation in competitions.
- Steel, Iron, Aluminum, and Wood from construction site will be sent to scrap shop and furtherto recycling plants.
- Steel, Iron, Aluminum, from laboratories will be sent to scrap shop and further to recyclingplants.
- All the communication of the institute is through Internet within the teaching and nonteachingfaculty members.
- There are hardly any floppies or CDs used for day to day operations.

DOCUMENTAL EVIDENCES FOR SOLID WASTE MANAGEMENT

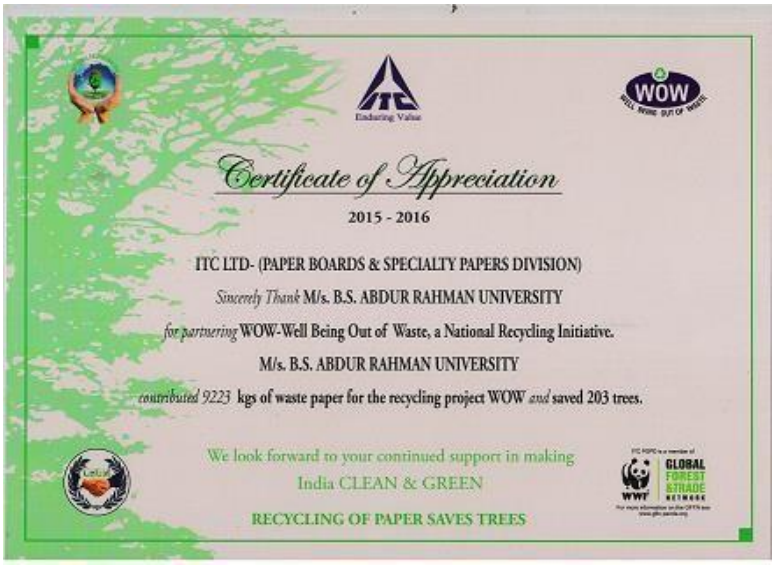
The solid waste management project is intended to safely dispose the waste generated at the campus by way of segregating the waste as organic waste, recyclable waste and inert waste and processing the waste thus segregated.



Certificate of Appreciation for Recycling Paper Waste (2013-2014)



Certificate of Appreciation for Recycling Paper Waste (2014-2015)



Certificate of Appreciation

2015 - 2016

ITC LTD- (PAPER BOARDS & SPECIALTY PAPERS DIVISION)

Sincerely Thank M/s. B.S. ABDUR RAHMAN UNIVERSITY

for partnering WOW-Well Being Out of Waste, a National Recycling Initiative.

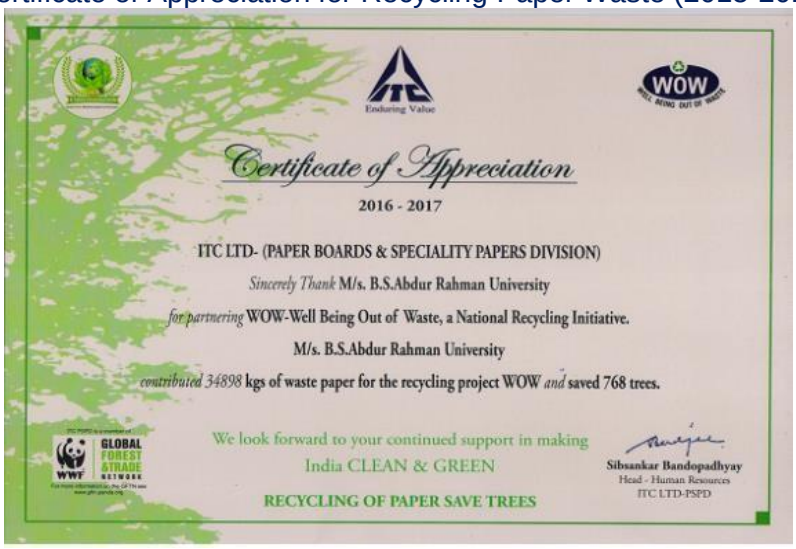
M/s. B.S. ABDUR RAHMAN UNIVERSITY

contributed 9223 kgs of waste paper for the recycling project WOW *and* saved 203 trees.

We look forward to your continued support in making
India CLEAN & GREEN

RECYCLING OF PAPER SAVES TREES

Certificate of Appreciation for Recycling Paper Waste (2015-2016)



Certificate of Appreciation

2016 - 2017

ITC LTD- (PAPER BOARDS & SPECIALITY PAPERS DIVISION)

Sincerely Thank M/s. B.S.Abdur Rahman University

for partnering WOW-Well Being Out of Waste, a National Recycling Initiative.

M/s. B.S.Abdur Rahman University

contributed 34898 kgs of waste paper for the recycling project WOW *and* saved 768 trees.

We look forward to your continued support in making
India CLEAN & GREEN

RECYCLING OF PAPER SAVE TREES

Sibsankar Bandopadhyay
Head - Human Resources
ITC LTD-PSPD

Certificate of Appreciation for Recycling Paper Waste (2016-2017)

Refuse
Reduce
Reuse
Repurpose
Recycle

Green Services Trust
Let's go green...

Certificate of Appreciation

We Sincerely thank M/s Abdur Rahman Crescent University, Vandalur for partnering in implementing Solid Waste Management Project, a national recycling initiative.

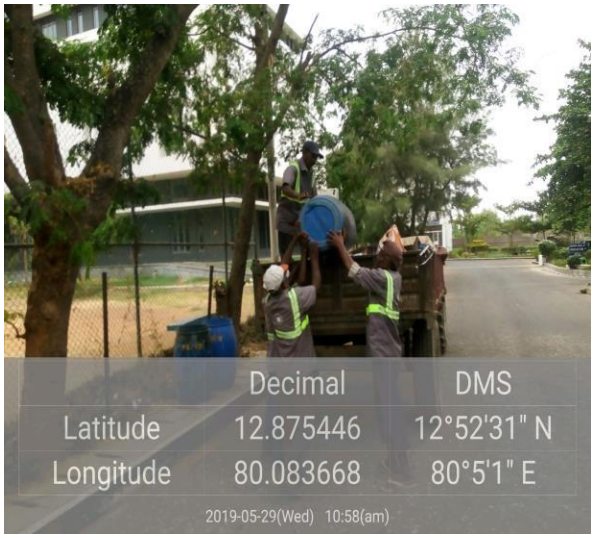
M/s. Abdur Rahman Crescent University Vandalur has implemented Solid Waste Management Project in an environment friendly manner and diverted 1,44,655 Kgs. of waste from landfill to recycling during the year 2017-18.

Let us continue to Recycle Waste and Save Environment.

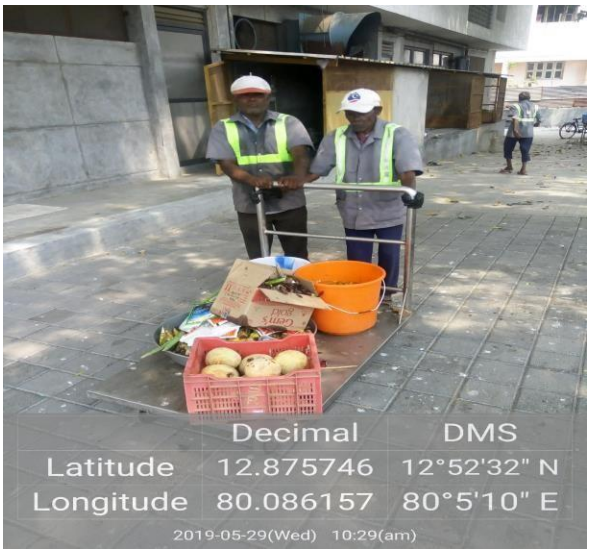
Date : 30th July 2018
Place : Chennai

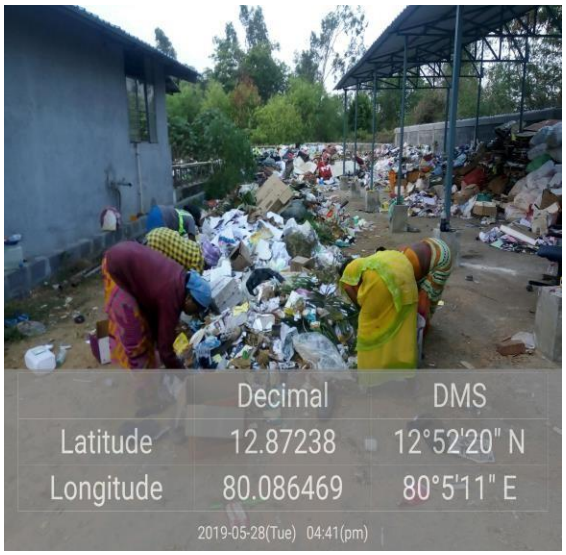
Managing Trustee

Certificate of Appreciation for Implementing Solid Waste Management Project (2017-2018)



Collection of Solid Waste





Segregation of Solid Waste

Recovery of Recyclable Waste

Windrow Formation and Rotation

Training and Awareness Program for Housekeepers and Green Friends

WASTE COLLECTION DATA FROM 2016 TO 2020

S.No	Month	Organic waste in Kg	Recycle waste Kg	Inert waste Kg	Total Waste in Kg
1	Jan'16	5,977	1949	13429	21,355
2	Feb'16	5,635	1983	12700	20,318
3	March'16	5,800	2507	13736	22,043
4	April'16	5,477	2775	12898	21,150
5	May'16	4,544	2410	11457	18,411
6	June'16	5,252	2747	13150	21,149
7	July'16	3,676	3124	12409	19,209
8	Aug'16	5,330	4374	9217	18,921
9	Sep'16	4,917	2861	1830	9,608
10	Oct'16	7,956	3412	1225	12,593
11	Nov'16	10,966	4525	1025	16,516
12	Dec'16	8,394	2283	794	11,471
13	Jan'17	10,107	3043	909	14,059
14	Feb'17	10,426	3174	881	14,481
15	March'17	11,788	3980	1077	16,845
16	April'17	11,819	4423	1230	17,472
17	May'17	2,710	5608	3970	12,288
18	June'17	711	5305	591	6,607
19	July'17	885	4828	790	6,503
20	Aug'17	1,187	4477	708	6,372
21	Sept'17	1,393	5046	633	7,072
22	Oct'17	9,096	4252	689	14,037
23	Nov'17	10,677	4751	947	16,375
24	Dec'17	11,446	5958	1084	18,488
25	Jan'18	17,653	7280	1215	26,148
26	Feb'18	13,529	7529	1721	22,779

27	Mar'18	11,648	8716	1496	21,860
28	April'18	10,782	7588	1537	19,907
29	May'18	5,912	7112	1794	14,818
30	June'18	5,643	6914	1801	14,358
31	July'18	10,997	6292	1892	19,181
32	Aug'18	9,880	5083	1696	16,659
33	Sept'18	9,610	5389	1580	16,579
34	Oct'18	9,910	5622	1705	17,237
35	Nov'18	9,325	5995	1521	16,841
36	Dec'18	9,726	4578	1620	15,924
37	Jan'19	9,524	5092	1684	16,300
38	Feb'19	10,142	5554	1507	17,203
39	March'19	10,122	5865	1715	17,702
40	April'19	-	-	-	-
41	May'19	1,630	7465	3015	12,110
42	June'19	2,260	5165	2675	10,100
43	July'19	9,135	2970	6500	18,605
44	Aug'19	9,730	2583	7100	19,413
45	Sept'19	13,260	1785	10850	25,895
46	Oct'19	12,600	1180	11350	25,130
47	Nove'19	17,100	1688	15450	34,238
48	Dec'19	15,600	1390	15700	32,690
49	Jan'20	21,900	2155	19800	43,855
50	Feb'20	23,900	2390	26700	52,990
51	March'20	14,950	1440	19100	35,490
52	April'20	-	-	-	
53	May'20	390	86	7200	7,676
54	June'20	627	300	22700	23,627
55	July '20	295	495	55523	56,313

SOLID WASTE MANAGEMENT - ECOBIN (250 KGS / DAY)

250Kg Ecobin in BSACIST for the management of food Waste

Operating Procedures

Food waste after segregate loaded and mixed with 10-15% of saw dust +0.1% Bioculum. Now the mixture lifted into feeding port of Ecobin. In the tank, mixing operation will be done with regular time intervals in a day by day using main agitator derive.

Air will pass through into the tank by using blower with regular time intervals. Repeating mixture operation for feeding 250kgs per day. After repeating the activities for 15 days' compost developed at the bottom.

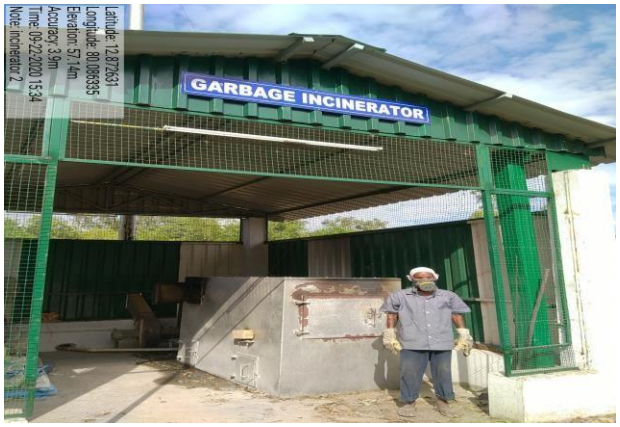
Around 30,735kgs of collected compost collected till July 2020 and used for fertilizing the soil by toping up in the soil.

B.S. Abdur Rahman Crescent Institute of Science & Technology
Deemed to be University u/s 3 of the UGC Act, 1956

ECO-BIN

SOLID WASTE MANAGEMENT - GARBAGE INCINERATOR

- Garbage Incinerator machine installed in our campus/solid waste management yard with50kg/hr. capacity reducing waste product to inert ash.
- Daily generation 500kg/day and generated fly ash being used as manure.
- Incinerated item will be less than 10% of their original bulk when reduced to ash
- Use for incinerator of waste paper, tea cup, Dry garbage and kitchen dry waste.
- Transport cost from point of work generation to disposal site are dramatically reduced.
- Around 12,815Kg generated till July 2020 as an alternate solution to landfill.



SOLID WASTE MANAGEMENT - SANITARY INCINERATOR

- Incinerator machine has been installed to dispose sanitary napkins.
- Separate bins are provided in all ladies' toilets in university and in Ladies Hostel to separatethe napkins from other waste.
- Wet scrubber is attached at the outlet of burner where the fumes gets scrubbed in water and gets filtered to remove the harmful emissions. Separate Napkin destroyer machine has installed in Ladies hostel 5 Nos and 1 in Medical Hall.

SOLID WASTE MANAGEMENT - BIO-GAS PLANT

A Biogas plant of 50 m^3 capacity for Ladies Hostel was commissioned in June 2017. The gasgenerated from the plant is utilized for cooking in Ladies Hostel Mess Kitchen.

Biogas Plant

Food waste feed in to Bio Gas Plant

BIO GAS GENERATION FOR THE PERIOD OF 2017 - 2020			
Month	**Total Gas consumed(cum)**	**Equivalent to LPG (KG)**	**Cost Saved (Rs)**
Sep'17	94	42	2,601.00
Oct'17	180	81	5,280.00
Nov'17	366	164.7	12,062.00
Dec'17	277	124.65	9,178.00
Jan'18	170	76.5	5,594.57
Feb'18	153	68.85	5,016.00
Mar'18	186	83.7	5,756.00
April'18	195	87.75	5,839.00
May'18	138	62.1	4,105.00
June'18	11.03	4.96	327.82
Aug'18	110.814	49.86	3,296.42
Sept'18	55.56	25	1,993.58
Oct'18	51.196	23.03	1,941.79
Nov'18	49.905	22.45	2,006.32
Dec'18	17.099	7.69	608.72
Jan'19	180	81	5,280.00
Feb'19	366	164.7	12,062.00
Mar'19	153	68.5	5,016.00

Apr'19	360	162	10,560.00
May'19	178	80.1	5,510.00
Jun'19	94	42	2,601.00
July'19	192	86.4	5,679.00
Aug'19	274	123.3	7,289.00
Sept'19	186	83.7	5,170.00
Oct'19	330	148.5	9,371.13
Nov'19	190	85.5	5,935.50
Dec'19	112	50.4	3,535.95
Jan'20	92	41.4	2,139.00
Feb'20	80	36	2,232.00
March'20	56	25.2	1,465.00
Total	4897.604	2202.94	149451.8

BIOBOX

Our Institute has established BIO BOX unit of 50Kg/day capacity in association with M/S.Kankyo Group of Companies to generate biogas from various organic solid waste.

BIOBOX- Biogas generation unit

Pyrolysis unit

PYRO-CRACKER

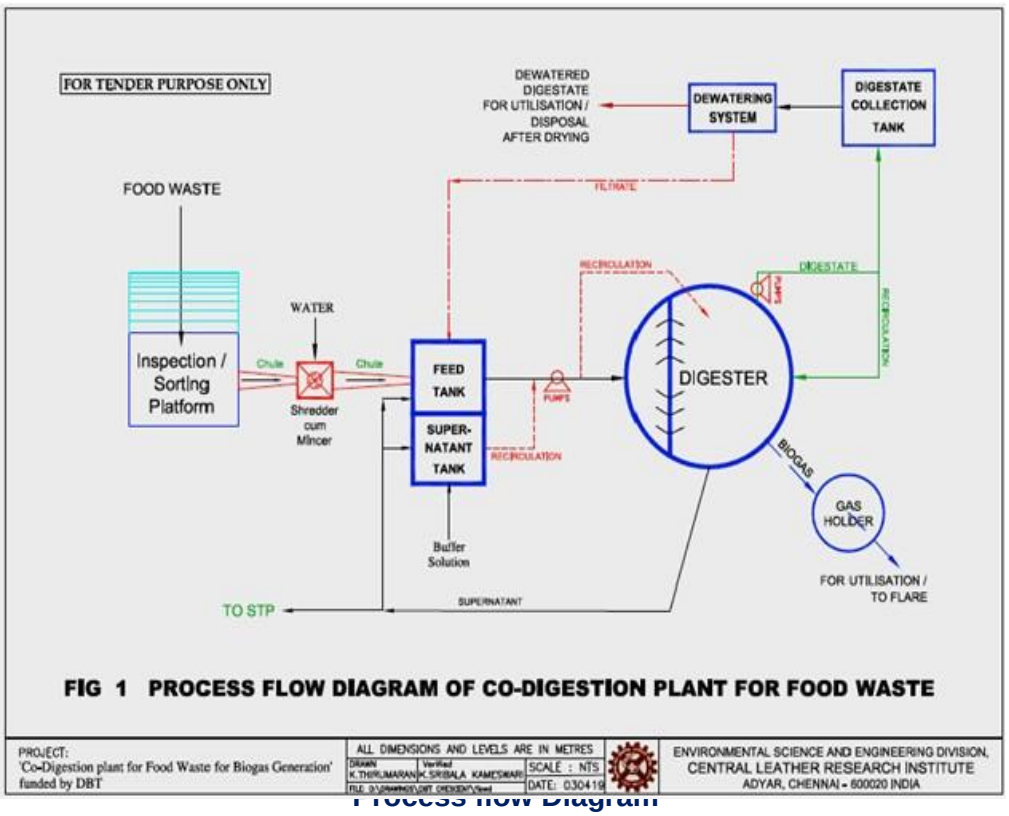
Our Institute has established Pyro- Cracker unit of 25 Kg / Batch capacity in association with M/S.Kanyo Group of Companies for thermal pyrolytic degradation of plastic, biomass and mixed garbage.

CSIR - CLRI SPONSORED PROJECT – BIOGAS PLANT 500 KGS/DAY (ON GOING)

Establishment of new Biogas plant 500kg/day at Men's Hostel

Erection & Commissioning stage

- Biogas Plant 500 kgs/day from CSIR-CLRI, Govt. of India, Chennai funded by DST New Delhiin collaboration with KANKYO Technologies.
- To handle the food waste generated from hostel kitchens and canteens
- It will generate 15-20 m3/day gas from the plant and the same will be utilized for our cookingneeds at Hostel kitchens and Canteens.
- The total cost of project is 35 lakhs. (Crescent Contributed 10 lakh).



Process flow Diagram

Final view

LIQUID WASTE MANAGEMENT - SEWAGE TREATMENT PLANT – 500KLD

- 2 nos. of Sewage treatment plants of 250KLD capacity are available, one for Men's Hostel andone for Institute campus. The STP is of Eco-Bio Block type. The treated water is used for landscaping and toilet flushing purpose.
- The sewage treatment plant is working on the principle of attached growth aerobic system (Eco-Bio bricks) followed by sand filter and carbon filter. The treated water is having a COD about 100 mg/L and BOD about 16 mg/L.

DETAILS OF SEWAGE TREATMENT PLANTS

Location	Capacity	Remarks
College campus	250KLD	Commissioned in 2003 as a 150KLd plant. Revamped and capacity increased to 250KLD in 2015
Men's Hostel	250KLD	Commissioned in 2014

DETAILS OF WASTEWATER GENERATION

S.No	Location	Total water collected	Water recycled	% of water reutilized
1	College campus	250 KL	220KL	90
2	Men's Hostel	250 KL	220KL	90

RECYCLED WATER DETAIL 2016-2020				
S.No	Month/ year	No of Loads	Total Qty in Liters	Quantity of treated water in Ltrs
1	Nov'16	1709	17090000	12170000
2	Dec'16	1467	14670000	10576000
3	Jan'17	1269	12690000	10506800
4	Feb'17	1501	15010000	12429000
5	March'17	1765	17650000	13586000
6	April'17	1531	15310000	12124000
7	May'17	1539	15390000	12663000
8	June'17	1105	11050000	7745000
9	July'17	1278	12780000	7249000
10	Aug'17	1756	17560000	13668000
11	Sept'17	1608	16080000	13461000
12	Oct'17	1676	16760000	14585000
13	Nov. 2017	1318	1,31,80,000	1,35,86,000
14	Dec. 2017	1294	1,29,40,000	1,36,68,000
15	Jan. 2018	1213	1,21,30,000	1,11,60,000
16	Feb. 2018	1209	1,20,90,000	1,17,80,000
17	Mar. 2018	1281	1,28,10,000	1,20,90,000
18	Apl. 2018	1236	1,23,60,000	1,24,00,000
19	May. 2018	1301	1,30,10,000	1,34,61,000
20	June. 2018	954	95,40,000	81,24,000
21	July. 2018	1334	1,33,40,000	1,13,15,000
22	Aug. 2018	1327	1,32,70,000	1,16,25,000
23	Sep. 2018	1288	1,28,80,000	1,20,90,000
24	Oct. 2018	1427	1,42,70,000	1,10,05,000
25	Nov. 2018	1294	1,29,40,000	1,08,50,000
26	Dec. 2018	1026	1,02,60,000	9,54,000
27	Jan. 2019	1169	1,16,90,000	1,07,80,000
28	Feb. 2019	1527	1,52,70,000	1,19,35,000
29	Mar. 2019	1709	1,70,90,000	1,20,90,000
30	Apl. 2019	1374	1,37,40,000	1,21,52,000
31	May. 2019	1448	1,44,80,000	1,21,83,000
32	June. 2019	873	87,30,000	82,20,000
33	July. 2019	1305	1,30,50,000	1,00,75,000

34	Aug. 2019	1158	1,15,80,000	1,11,91,000
35	Sep. 2019	1360	1,36,00,000	1,12,84,000
36	Oct. 2019	1262	1,26,20,000	1,13,46,000
37	Nov. 2019	1233	1,23,30,000	1,15,94,000
38	Dec. 2019	963	96,30,000	76,56,000
39	Jan. 2020	1028	1,02,80,000	1,12,53,000
40	Feb. 2020	1403	1,40,30,000	1,14,39,000
41	Mar. 2020	1194	1,19,40,000	1,16,56,000
42	Apl. 2020	479	47,90,000	49,35,000
43	May. 2020	589	58,90,000	54,31,000
44	June. 2020	561	56,10,000	45,55,000
45	July. 2020	408	40,80,000	4,45,000
46	Aug. 2020	471	47,10,000	4,49,000

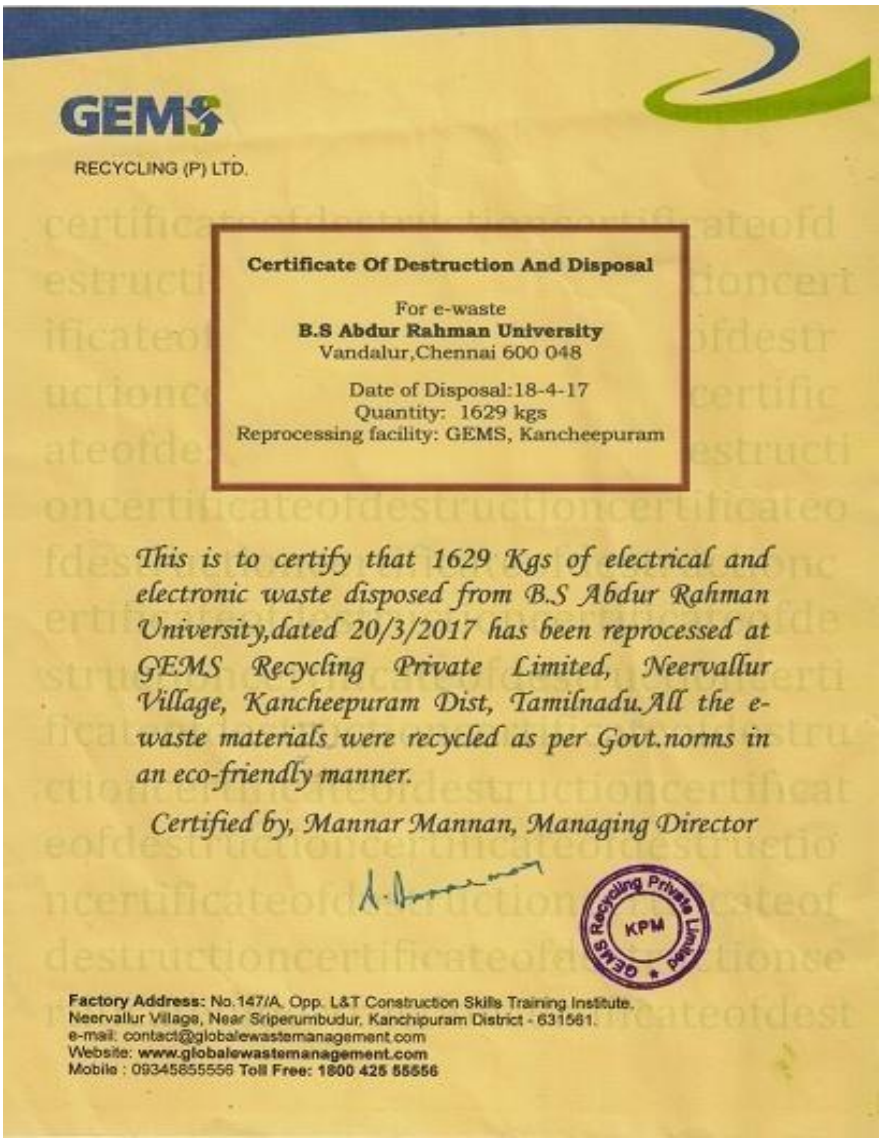
MIRA CARBON SEWAGE TREATMENT PLANT

Our Institute has established MIRA CARBON SEWAGE TREATMENT PLANT of **2** m^3 capacity in association with M/S.Kanyo Group of Companies to treat domestic wastewater generated from the Institute.

Mira carbon sewage treatment plant

E-WASTE MANAGEMENT

All obsolete electrical and electronic waste is disposed as e-waste to vendors for proper destruction without damaging the environment and certificate for such destruction and disposal are obtained. Totally 2330kg E –waste destructed in the year 2017.



GEMS

RECYCLING (P) LTD.

Certificate Of Destruction And Disposal

For e-waste
B.S Abdur Rahman University
Vandalur,Chennai 600 048

Date of Disposal:18-4-17
Quantity: 1629 kgs
Reprocessing facility: GEMS, Kancheepuram

This is to certify that 1629 Kgs of electrical and electronic waste disposed from B.S Abdur Rahman University,dated 20/3/2017 has been reprocessed at GEMS Recycling Private Limited, Neervallur Village, Kancheepuram Dist, Tamilnadu.All the e-waste materials were recycled as per Govt.norms in an eco-friendly manner.

Certified by, Mannar Mannan, Managing Director

GEMS Recycling Private Limited KPM

Factory Address: No.147/A, Opp. L&T Construction Skills Training Institute, Neervallur Village, Near Sriperumbudur, Kanchipuram District - 631561.
e-mail: contact@globalewastemanagement.com
Website: **www.globalewastemanagement.com**
Mobile : 09345855556 **Toll Free: 1800 425 55556**

CERTIFICATE FOR DESTRUCTION OF E WASTE

Your Trust is Our Success.

VIROGREEN
www.virogreen.in

Certificate of Destruction

COD No: VGIN170336
CPCB REG No: B-29016(1881)/1(Reg) 10/HWMD

Company Name:	M/s. BS Abdur Rahman Crescent Institute Of Science & Technology,
Company Address:	Seethakathi Estate, Vandalur, Chennai.
Company Ref:	GP No: 6493
Date Collected:	14/12/2017
Date Received:	14/12/2017
GRN No:	VGIN-0555
Date of Destruction:	28/12/2017

This document certifies that all the below mentioned items were received and processed in an environmentally responsible manner by **Virogreen India Private Limited ., Chennai**

This further certified that the items identified below had been properly disposed in an environmentally responsible manner, utilizing the process and equipment available in accordance with the Company procedures or written instructions where applicable. This "Certificate Of Destruction" is issued based on a series of specific activities; including collection, identification, separation and treatment by mechanical process or manual means, whereby material elements are destructed from the "ITEMS" for use in the form of raw materials and is deemed no longer fit for original intended purpose, and recycled wherever possible.

Index	Description	Qty Kgs
1	E-Waste Scrap	701

VIROGREEN INDIA PVT. LTD. GUMMIDIPOONDI

Person Incharge: A. Mariaponraj
Designation: Warehouse Manager
Date: 28/12/2017

Factory : S/No.297/1B-2, No.49, Pappankuppam Village, S.R.Kandigai Road, Gummidipoondi – 601 201
Thiruvallur Dist, Tamil Nadu, India. (CIN No: U52392TN2002PTC049211) Phone: +91 – 44-65485915.
Fax: +91-44-2651 2449. Mob: +91 99408 31313.
Email: reachus@virogreen.in

Your Trust is Our Success.

VIROGREEN
www.virogreen.in

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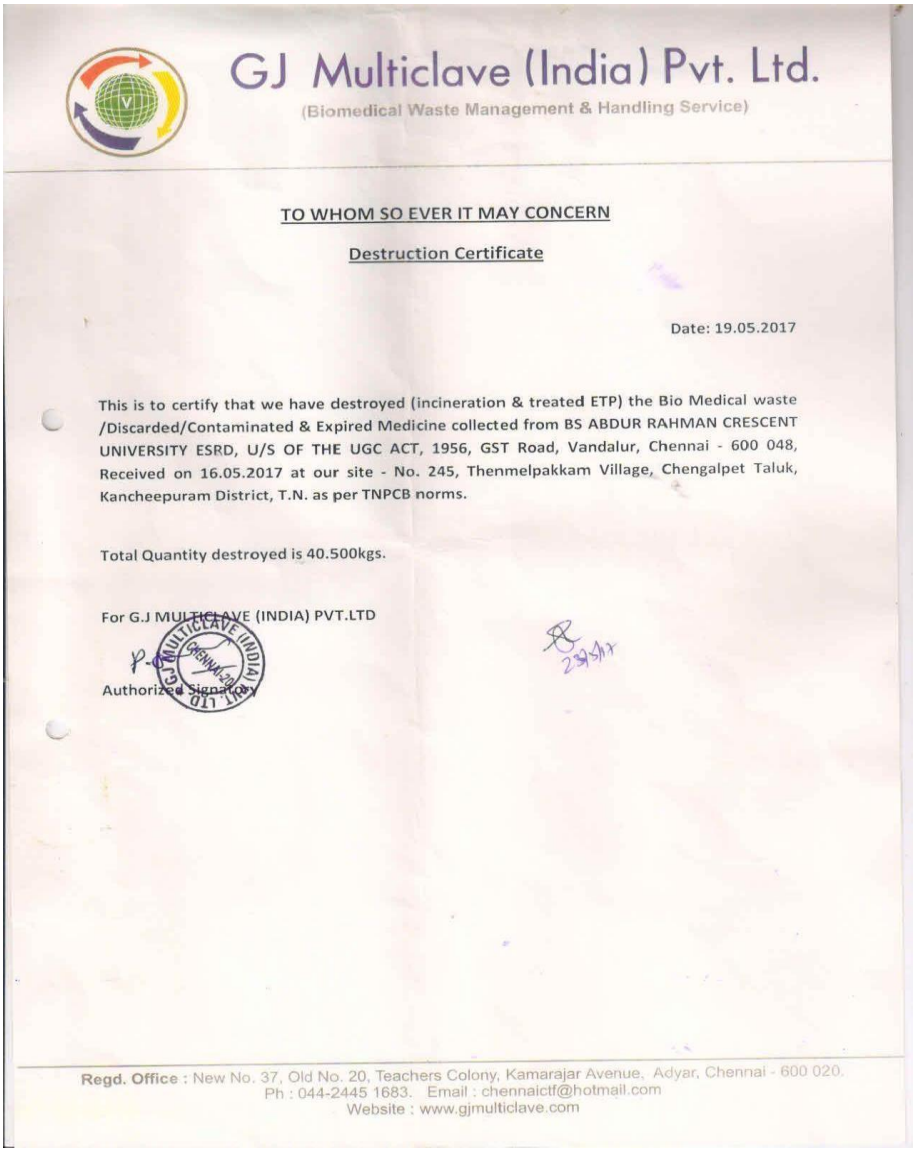
Fax: +91-44-2651 2449. Mob: +91 99408 31313.
Email: reachus@virogreen.in

E

BIO-WASTE MANAGEMENT

All biological waste generated from Life Science Department and Medical Centre is disposed as bio- waste to vendors for proper destruction without damaging the environment and certificate for such destruction and disposal are obtained.



GJ Multiclave (India) Pvt. Ltd.
(Biomedical Waste Management & Handling Service)

TO WHOM SO EVER IT MAY CONCERN

Destruction Certificate

Date: 19.05.2017

This is to certify that we have destroyed (incineration & treated ETP) the Bio Medical waste /Discarded/Contaminated & Expired Medicine collected from BS ABDUR RAHMAN CRESCENT UNIVERSITY ESRD, U/S OF THE UGC ACT, 1956, GST Road, Vandalur, Chennai - 600 048, Received on 16.05.2017 at our site - No. 245, Thenmelpakkam Village, Chengalpet Taluk, Kancheepuram District, T.N. as per TNPCB norms.

Total Quantity destroyed is 40.500kgs.

For G.J MULTICLAVE (INDIA) PVT.LTD

Authorized Signatory

Regd. Office : New No. 37, Old No. 20, Teachers Colony, Kamarajar Avenue, Adyar, Chennai - 600 020.
Ph : 044-2445 1683. Email : chennaictf@hotmail.com
Website : www.gjmulticlave.com