R.M.K. ENGINEERING COLLEGE An Autonomous Institution

# WASTE MANAGEMENT PRACTICES



## **R.M.K. ENGINEERING COLLEGE**

#### (AUTONOMOUS) RSM Nagar, Kavaraipettai – 601 206

(Affiliated to Anna University, Chennai / Approved by AICTE, New Delhi An ISO 9001-2015 Certified Institution / Accredited by NAAC with A+ Grade All the Eligible UG Programs are Accredited by NBA, New Delhi)



## SOLID WASTE MANAGEMENT PRACTICES

**R.M.K.** Engineering College is striving towards achieving "Zero Waste" generation. An efficient and scientific process is followed in the campus for the disposal of solid waste generated in the campus.

**BIO-DEGRADABLE SOLID WASTE MANAGEMENT** 

The institution has implemented Two - bin system in all the buildings, one for collecting degradable and the other for non-degradable waste.

Institution provides food for all the students and faculty members- breakfast, tea and snacks, lunch and inclusive of dinner for hostel residents. This leads to enormous amount of food waste and vegetable waste. In addition, other solid wastes include paper, cardboard, garden debris etc.

The waste is collected every day and is transported to sanitary landfill site of the institution every day. The composted waste is used for gardening and agriculture.

Two-bin system is installed in the campus for collecting degradable and non bio-degradable wastes.



Sanitary napkin incinerators are fitted in the hostels



### FLOW DIAGRAM OF

#### DEGRADABLE SOLID WASTE MANAGEMENT





## PAPER WASTE MANAGEMENT

Waste papers were collected and for effective recycling through venkatachalapathy paper mills Ltd.

	Certificate of	Disposal	
Company Name:	R.M.K. Engineering College		
Company Address:	R.S.M Nagar, Kavaraipettai - 6	901206	
	Gummidipoendi Taluk, Tiruv	allur District	
Date Collected:	28.03.2019		
Date Received:	28.03.2019		
This docume	ent certifies that all waste pape	rs collected at R.M.K Eng	incering College
	processed for recycling in an env		
the process and equ	upment available in accordance	e with the company proces	fures or written
instructions where a	pplicable, by Venkatachalapath		
	( = 31 (*=0 (557) - 51	i Paper Mills Pvt Ltd, Cher	unai - 600067.
This certific.	pplicable, by Venkatachalapath ate is issued based on a series and pulping, filtering, conterni	i Paper Mills Pvt Ltd, Cher of specific activities inclu	unai - 600067. ading collection,
This certification sorting. Shredding	ate is issued based on a series	i Paper Mills Pvt Ltd, Cher of specific activities inclu	unai - 600067. ading collection,
This certific: sorting, Shredding been done, whereby	ate is issued based on a series and pulping, filtering, contermi the waste papers are recycled.	i Paper Mills Pwt Ltd, Cher of specific activities inclu nal removal and de-inking	unai - 600067. ading collection,
This certific: sorting. Shredding been done, whereby	ate is issued based on a series and pulping, filtering, conterni the waste papers are recycled. No Description	a Paper Mills Pwt Ltd, Cher of specific activities inclu mal removal and de-inking Quantity (Kgs)	unai - 600067. ading collection,
This certifica sorting, Shredding been done, whereby	ate is issued based on a series and pulping, filtering, contermi the waste papers are recycled. No Description . Waste Paper	i Paper Mills Pwt Ltd, Cher of specific activities inclu nal removal and de-inking	unai - 600067. ading collection,
This certific: sorting. Shredding been done, whereby	ate is issued based on a series and pulping, filtering, conterni the waste papers are recycled. No Description . Waste Paper SPT, UD.	a Paper Mills Pwt Ltd, Cher of specific activities inclu mal removal and de-inking Quantity (Kgs)	unai - 600067. ading collection,
This certific: sorting. Shredding been done, whereby 58 1 0000000000000000000000000000000000	ate is issued based on a series and pulping, filtering, contermi the waste papers are recycled, No Description . Waste Paper SPT. UD. Cas CM	a Paper Mills Pwt Ltd, Cher of specific activities inclu mal removal and de-inking Quantity (Kgs)	unai - 600067. ading collection,
This certific: sorting. Shredding been done, whereby 50 1 000000000000000000000000000000000	ate is issued based on a series and pulping, filtering, conterni the waste papers are recycled. No Description . Waste Paper SPT, UD. Co. CM	a Paper Mills Pwt Ltd, Cher of specific activities inclu mal removal and de-inking Quantity (Kgs)	unai - 600067. ading collection,
This certific: sorting. Shredding been done, whereby 58 1 0000000000000000000000000000000000	ate is issued based on a series and pulping, filtering, contermi the waste papers are recycled, No Description . Waste Paper SPT. UD. Cas CM	a Paper Mills Pwt Ltd, Cher of specific activities inclu mal removal and de-inking Quantity (Kgs)	unai - 600067. ading collection,
This certific: sorting. Shredding been done, whereby 50 1 000000000000000000000000000000000	ate is issued based on a series and pulping, filtering, contermi the waste papers are recycled, No Description . Waste Paper SPT. UD. Cas CM	a Paper Mills Pwt Ltd, Cher of specific activities inclu mal removal and de-inking Quantity (Kgs)	unai - 600067. ading collection,

## **E-WASTE MANAGEMENT**

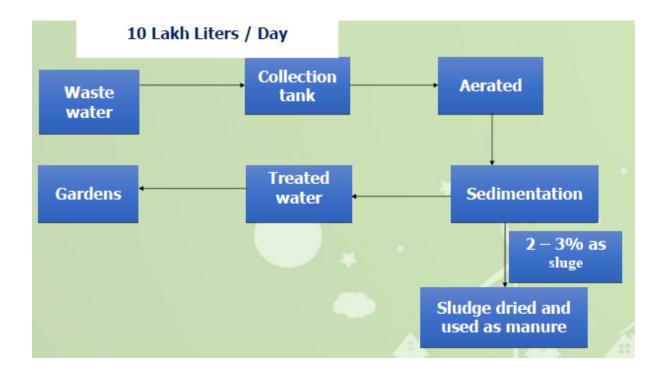
*E-waste from college is collected and given to* VIROGREEN Pvt. Ltd., for effective recycling.

			FORM	6			
		_	See Rule				
			E-Waste M	anifest			
1	Senders nome and mailing address (Including Phone No.) :		Mfs. RYK BAGZARERJALG College RSY Nagar Kavaro pettal - 601.				
z	Sender's authoritation No. If opplicable						
3	Monitest DocumerY ND :					1	
4	Transpertie's Name & Address : (Including Phone No. )						
5	Type of Vehicle :		( Invest Transer / Special Vehicle )				
6	framporter's Registration No. 1						
7	Vehicle Regimation No		TN 20	Ax 2531			
8	Receivers Name & Address (Including Phone No)		VEOGREEN INCIA PVT UD., 5/No. 297/152, No.49, Pappanius/pam Village, 5.9, Kondigal Road, Germanipoand Table, Throwellar-601 201, TomiNadu, India. Prane : +\$1994015444				
9	Receiver's Authorisation No. # op	plicable :	INPC8 : E-WO	te Authorization	No: 4899, doted: 12	107.2017	
10	Description of E - Words (Rem, W	Veight/No	mbersi				
· · ·	and the second se	al Descript			Total	Qly/ (Kg+)	
no	1		Ar		1300 k	9.5.	
1J	E- WASTE (S	Crap	my		13001	J	
<u> </u>	-	-					
11	Name and stomp of Sender* (Mc	anufacture	er or Producer	or A de Contestantes	1.75		
	standing when he will be a standing of			DEBORE CLEBOTHE	P4 194		
	Collection Centre or RefutDisher	or Dismon	diwr):	Dr. BOW, Charlowing			
	Gitte English Stamp	or Dismon	tier): gnature	Month	Doy	Year	
(		or Dismon	dwr): griature	and the second second		Year	
12	- Gritter Dig Stamp	or Dismon	der): grature of E-Wastes	Wonth	Doy		
12		or Dismon	dwr): griature	and the second second		Year	
12	COMPUTER CONPUTER CONTRE CONTR	or Dismon	of E-Wartes gnature	Month Month	Doy		
12	CONPUTER CENTRE Devector of Connect of Centre Centr	or Disman 3k of society ( 5) 0- 0-	der): grature of E-Wastes	Month Month	Day Day	Year	
12	COMPUTER CENTRE CENTRE CENTRE COMPUTER CENTRE COMPUTER COMPUTER COMPUTER	or Dismon Sk of socelpt St CL Refurbishe	of E-Wartes gnature	Month Month	Day Day	Year	
12	CONSPUTER CENTRE Descrite activities and Descrite activities and Descrite activities and Descrite activities and Conne or Centre activities and Conne or Centre activities and Centre activities activities and Centre activities activities and Centre activities activitities activities act	or Dismon Sk of socelpt St CL Refurbishe	alier): gnature of E-Wartes gnature gnature et or Obmantie	Month Month (15 rer Recycler)	0 6	Jo[8	
10	CONPUTER CENTRE Devocier octover digement of Central Centre of Centrol Centre of Centrol Centre of Centrol Centre of Centrol Centre of Centre of Centrol Centre of Centre of Centrol Centre of Centr	or Dismon Sk of socelpt St CL Refurbishe	alier): gnature of E-Wartes gnature gnature et or Obmantie	Month Month (D Month	Doy Day Day	Year Dol 8 Year	
4.1	CONPUTER CENTRE	or Dismon 34 of secelpt 51 0 Resturbance 9 Resturbance 9	nen; grieture grieture grieture er or Obmonite grioture To-L-T	Month Month (D ror Recycler) Month (O	0 dy 0 dy 0 dy 0 d Perpose (2)	Year Doll Year Zoll	
4.1	COREPUTER CENTRE CENTRE Proporte actuality of general Proporte actuality of general Proporte actuality of the second Proporte actual of the second Proporte actual of the second Proporte actual of the second Proporte actual of the second Name and Stamp	or Dismon 34 of succept 31 0 31 0 31 0 31 0 31 0 31 0 31 0 31	nen; gnature at E-Wanter gnature E or Otmonite gnature Total Total endined by The	Month (15 or at Recycler) Month 10	Day Day O 6 Day O 6 Perpose (3)	Year Doll Year Zoll	
4.1	COREPUTER CENTRE CENTRE CENTRE CENTRE CENTRE COMPOSITION Procession Procession Procession Control Centre of Centre of Centre of Centre of Centre of Centre of Centre of Centre of Centre of Centre Centre of Centre of Centre of Centre of Centre of Centre Centre of Centre of Centre of Centre of Centre of Centre of Centre Centre of Centre	ar Dismon 3k Sheecelof ( Sh Co- Refurbance B To be n To be n To be n To be n	and the second s	Month Manth (15 ar Becycler) Month 10 sonder offer fail Ube content by receiver offer fail	Day Day O 6 Day O 6 Perpose (2) Eng Signature on It h transporter. garature of the trans	Year 2018 Year 2018 an the kasparter of porter.	
1.1.1	CONPUTER CENTRE Development of the comment Centre of the comment Centre of the comment Centre of Centre of Centre of Centre of Centre of Centre of Centre of Centre of	ar Dismon 3k Sheecelof ( Sh Co- Refurbance B To be n To be n To be n To be n	and the second s	Month Manth (15 ar Becycler) Month 10 sonder offer fail Ube content by receiver offer fail	Day Day O 6 Day O 6 Perpose (3)	Year 2018 Year 2018 an the kasparter of porter.	

## Liquid waste Management

*Liquid waste management:* A high technology sewage water treatment plant treats the sewage water. Around 10 lakh litres of treated water is produced which is used for gardening and vehicle cleaning.

Waste water collected from the entire campus is aerated and then sent to settling tank. Then the sewage water is passed through sand and activated carbon filter followed by aeration. The solid sludge is taken to compost pit. The treated water is used for gardening and vehicle washing.



Hazardous chemicals waste management

Chemicals used in chemistry laboratory are dilute acids only. Otherwise the chemicals are safe and not hazardous.

Radioactive waste and biomedical wastes: -not applicable for the campus.

## Ban on plastics

