



NEWSLETTER (JULY-OCT. 2021)



Message from Chairperson

E-waste management brings great challenge before government as well as to the citizens. As disposal of e-waste in garbage bins and dumps contributes significantly to climate change as many chemicals are released when they are burned along with other waste. For efficient management of E-waste, control and coordinated working is needed by various stakeholders.

Many factors play key role in making the electrical and electronics sector resource efficient and circular. But one thing stands out: as long as citizens don't return their used, broken gear, sell it, or donate it, we will need to continue mining all new materials causing great environment damage.

I am delighted to say that India is among the earliest countries, which have formulated legislation to manage and handle e-waste. Hence, it is duty of all the stakeholders to abide with e-waste legislation and ensure better management and environmentally sound recycling of e-waste.

Rajasthan State Pollution Control Board (RSPCB) has taken an initiative to change the mindset of stakeholders for ensuring safe disposal of e-waste through authorized dismantlers/recyclers/collection centers. RSPCB has started many IEC activities regarding e-waste for creating awareness, but there is a lot more that needs to be done in e-waste sector.

Veenu Gupta
I.A.S
(Chairperson)

WHAT IS E-WASTE?

As per the E-waste (Management) Rules, 2016 E-Waste means electrical and electronic equipment, whole or in part discarded as waste by the consumer or bulk consumer as well as rejects from manufacturing, refurbishment and repair processes.

E-waste is categorized in 21 types (Schedule-I of E-waste Rules, 2016) under two broad categories.

- **Information Technology and Telecommunication Equipment (ITEW)**
- **Consumer Electrical and Electronics (CEEW)**



E-WASTE LEGISLATION IN INDIA



E-waste (Management & Handling) Rules, 2011

MOEF&CC notified first time specific E-waste law named 'E-Waste (Management & Handling) Rules, 2011. These rules mandated that only authorized dismantler and recyclers collect e-waste and provide guidelines for the transportation, storage and recycling of waste. These rules came into force since 1st May, 2012

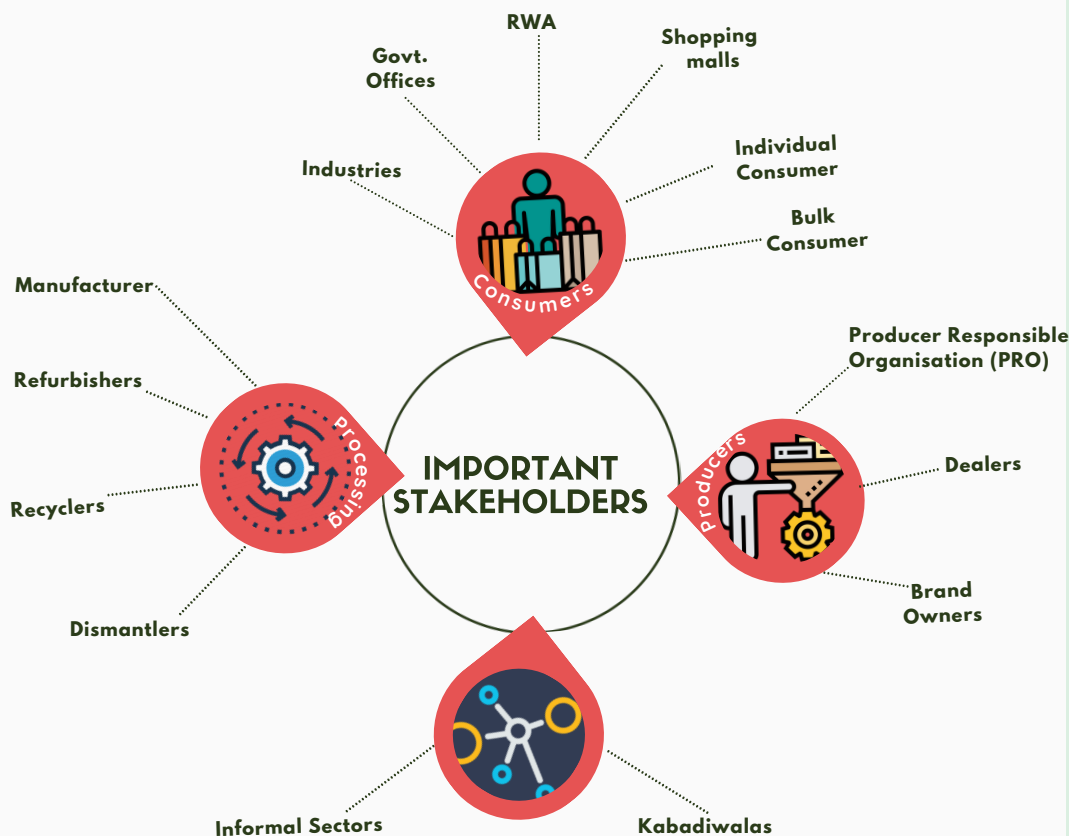
E-waste (Management) Rules, 2016

In order to ensure effective implementation of E-waste Rules and to clearly delineated the role of producers in EPR, MOEF, &CC Government of India in suppression of E-waste (Management & Handling) Rules, 2011 has notified the E-waste (Management) Rules, 2016 vide G.S.R. 338 (E) dated 23.03.2016 which became effective from 01.10.2016. The term Extended Producer Responsibility (EPR) was introduced under same rule which extend responsibility to makers of electronics to take financial and/or physical responsibility for managing the disposal of their products after the end of their lives.

E-waste (Management) Amendment Rules, 2018

introduced year on year collection targets for producers under the EPR. One of its target is collection of 70% quantity of e-waste generation as indicated in Extended Producer Responsibility Plan from 2023 onwards.

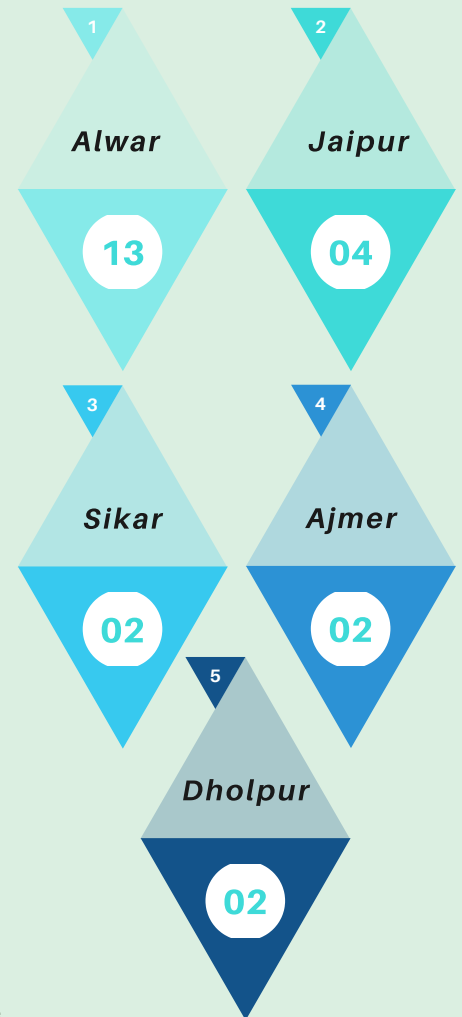
STAKEHOLDERS



E-WASTE MANAGEMENT IN RAJASTHAN



Total 23 processing units in Rajasthan



Total 98 operational collection centers in Rajasthan

INITIATIVE BY RSPCB

- Workshop organized for training of RSPCB officials on 9th -10th February 2021, for capacity building.
- Physical verification of all e-waste processing units.
- Two e-waste collection drives had been organized in current year.
- IEC campaign for management of E-waste.
- Physical verification of collection centers established by producers/brand owners.
- Stakeholder meetings were conducted in April, 2021 for sensitizing producers/brand owners, recyclers, PROs & bulk consumers.
- Tie-ups with Producer Responsible Organization(PRO) to deliver awareness.

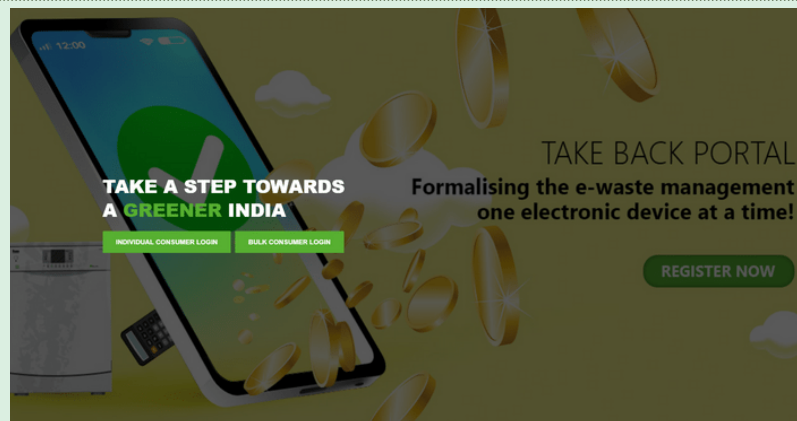
International E-Waste Day:

Rajasthan State Pollution Control Board celebrated “International E-waste Day-2021” on 14th October 2021 in collaboration with e-waste dismantlers, recyclers and prominent Producer Responsible Organizations (PROs) like RLG India, Karo Sambhav etc.

- Chief Guest of the event, Smt. Veenu Gupta, IAS, Chairperson, Rajasthan State Pollution Control Board said that it is first time for Rajasthan to celebrate this occasion. She highlighted how important it is for the citizens of the State to be aware of the harmful effects of un-scientific processing of E-Waste by the informal sector. She appealed to all consumers/bulk consumers of the State to dispose of their e-waste in a responsible manner through an authorized dismantler/recycler/collection centres.

- Shri Anand Mohan, IFS, Member Secretary, RSPCB and Dr. Vijai Singhal, Chief Environmental Engineer, RSPCB also attended this event. Shri N. Raveendhar, Chief Scientist, Environment Protection Training & Research Institute (EPTRI) signed Memorandum of Agreement with Member Secretary, RSPCB to execute inventorisation of e-waste in five cities of Rajasthan.

- Chairperson, RSPCB inaugurated “Online Take-Back Portal” which was developed by “Clean to Green” for collection of e-waste from consumer’s doorsteps, similar to e-commerce sites.
- Media representatives also joined the event organized on “Int. E-Waste Day-2021”. They commended that RSPCB is doing good efforts to sensitize the public at large and to channelize the e-waste through formal chain. The idea of mobile vans was appreciated by the participants. This event is a stepping stone towards the management of e-waste in Rajasthan.



E-WASTE COLLECTION DRIVES



The main objective of E-waste collection drives is to sensitize masses for ensuring the disposal of e-waste as per E-waste (Management) Rules, 2016 through authorized dismantlers/recyclers and conduct IEC activities during the drive.

Collection Drive Phase 1 (1st July to 31st August 2021)

The 1st Phase of E-waste Collection drive was organized during 1st July 2021 to 31st Aug 2021 in Jaipur, Kota and Udaipur. This drive was supported by Confederation of Indian Industry (CII). Around 11,000 Kg (11MT) e-waste was collected from the industrial units, during the 1st Phase. The Whole e-waste collection had been handed over to M/s Green Scape Eco Management Pvt. Ltd. Alwar to ensure its recycling in environmentally sound manner. Memento and Certificates were given to all participant industries by RSPCB, during valedictory session.

Collection Drive Phase 2 (14th Oct to 26th Oct 2021)

- On the occasion of “International E-waste Day-2021”, Chairperson inaugurated “2nd Phase of E-waste Collection drive” in Bhilwara, Jodhpur, Alwar and Bhiwadi. During this drive e-waste was collected from industrial units, RWAs, Commercial establishments, Business Malls, Shopping markets, Colonies etc. This drive was supported by local authorized dismantlers/recyclers & RLG India (PRO).
- Chairperson flagged off mobile vans for creating awareness in Bhilwara, Jodhpur, Alwar and Bhiwadi and to collect e-waste from commercial/residential areas. This drive was successfully carried out and total 66,257 Kg (66.2MT) e-waste was collected during the drive, which is six time higher than the quantity collected during 1st drive.

MESSAGE FROM E-WASTE DESK OF RSPCB

We are thankful to Hon'ble Chairperson Ma'am for taking initiative to improve e-waste management in the state.

We all know, lot of e-waste gets generated in industrial units, offices, RWA's, shopping malls, commercial complexes and households, but due to lack of awareness it is being disposed through kabadiwalas/unauthorized persons. From where, it reaches to informal sector and un-scientific processing of e-waste generate toxic fumes, metal containing effluent and other harmful pollutants.

To avoid this, RSPCB has started massive IEC activities and e-waste collection drives (two phases) for creating awareness in Public. Consequently, around 77,000 kg (77 MT) e-waste collected in last 5 months and channelized to authorized recyclers/dismantler for environmentally sound recycling of the e-waste.

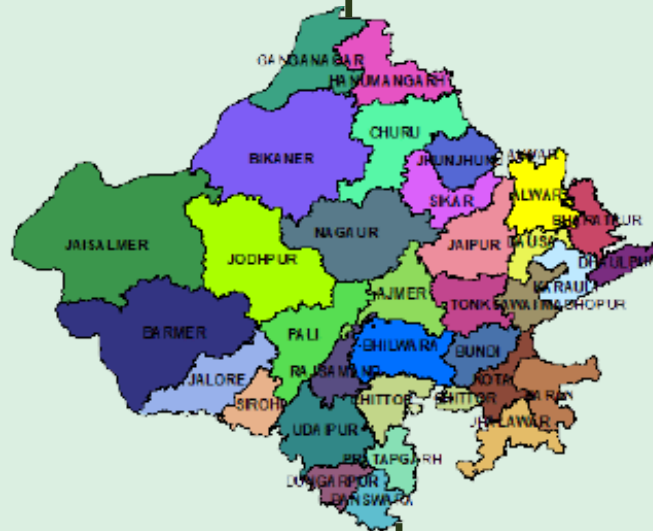
We hope e-waste flowing towards informal sector would reduce and the authorized channel of the formal eco-system will take over in the state in future.

E-Waste Collection drive (Phase 1) in industrial areas

UDAIPUR
4.8 MT

KOTA
2.5 MT

JAIPUR
3.4 MT



ALWAR
34.04 MT

BHILWARA
10.27 MT

JODHPUR
13.23 MT

E-Waste Collection drive (Phase 2) in industrial areas

District wise representation of E-Waste Collection from industrial areas



SUCCESS STORIES

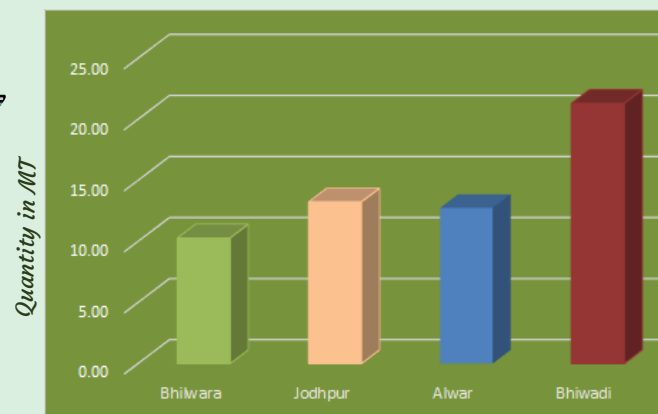
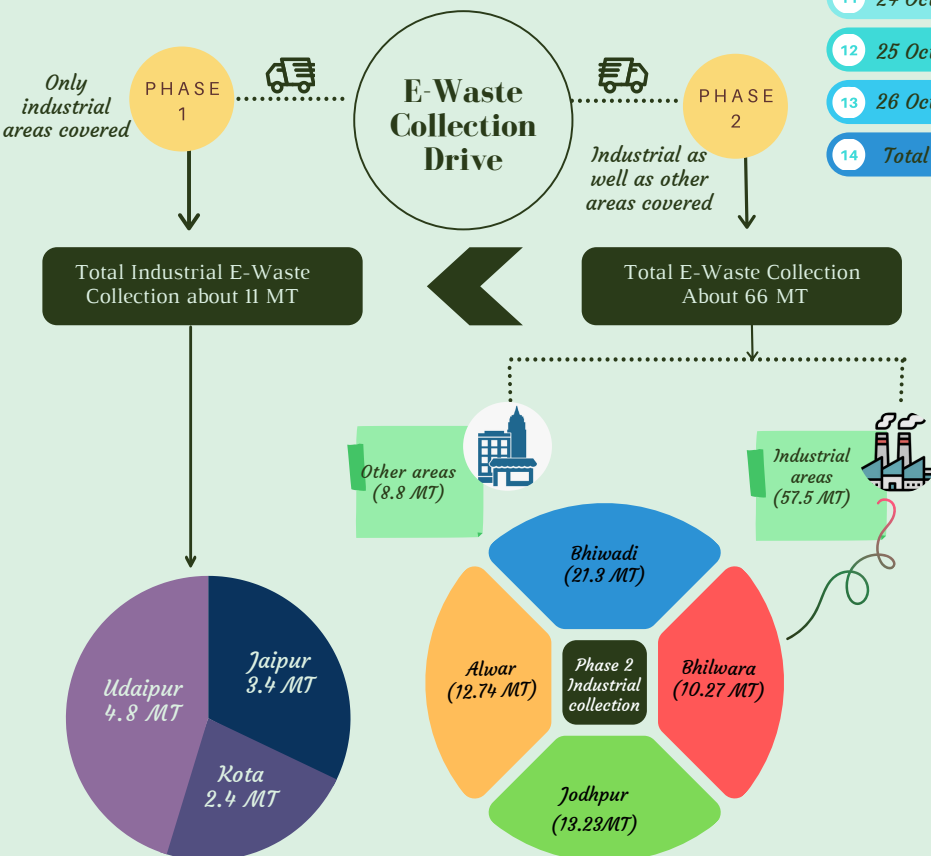
Initiatives taken by RSPCB towards managing E-waste had shown remarkable results. Both phases of e-waste collection drives organized by RSPCB has exhibited astonishing collection from industrial areas as well as other areas.

Phase-1 has total industrial e-waste collection about 11 MT, Phase-2 has total e-waste collection adding industrial and other areas about 66 MT, which is elaborated below.

In second drive, approximately Rs. 20 Lacs were paid by e-waste collection agencies to consumers as monetary benefits.

Progress report of E-Waste collection drive in industrial areas (14 Oct. 2021 to 26 Oct. 2021)

Date	Quantity of E-Waste Collected (In MT)				Total
	Bhilwar	Jodhpur	Alwar	Bhiwadi	
01 14 Oct	0	0	0.68	0.97	1.65
02 15 Oct	0.435	0.69	0	0	1.12
03 16 Oct	0.507	0.511	0	0	1.01
04 17 Oct	0.617	0.288	0	0.1	1.00
05 18 Oct	1.105	0.39	0.74	0.19	2.42
06 19 Oct	1.317	0.463	1.01	0	2.79
07 20 Oct	0.618	0.428	1.20	0.824	3.07
08 21 Oct	0.861	1.35	1.44	1.34	4.99
09 22 Oct	0.920	3.03	0.750	4.78	9.48
10 23 Oct	2.416	1.60	3.10	1.18	8.29
11 24 Oct	1.512	3.30	3.82	6.69	15.32
12 25 Oct	0	1.20	0	4.38	5.58
13 26 Oct	0	0	0	0.850	0.85
14 Total	10.27	13.23	12.74	21.3	57.5



Comparison of e-waste collection, ROs wise in phase 2



दो माह में 11 टन का किया निस्तारण ई-वेस्ट को सही तरीके से रिसाइकिल करना जरूरी



पत्रिका न्यूज नेटवर्क
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जयपुर. तकनीक अपग्रेड हो रही है। इसी वजह से ई-वेस्ट भी बढ़ रहा है। इसे रोकना नहीं जा सकता। हमें इसे सही तरह से रिसाइकिल करने की जरूरत है। यदि सही तरह से ई-वेस्ट को रिसाइकिल नहीं करते तो पर्यावरण को काफी नुकसान होगा। गंधीर खोसिया जैसे वकील भी संभयाना रहती हैं। यह कठम है राजस्थान राज्य प्रदूषण नियंत्रण मंडल की अध्यक्ष वीनू गुप्ता का। वे मुख्य रूप से भारत की उद्योग परिषद, राजस्थान के अध्यक्ष राजेंद्र राठौर के तहत और से होटल क्लब्स आदि में आयोजित कार्यक्रम में पहुंची थीं। उन्होंने बताया कि जयपुर, उदयपुर और कोटा में एक जुलाई से 31 अगस्त तक एक महीने के तहत ई-वेस्ट संग्रहित और रिसाइकिल किया गया। दो महीने में 11 टन ई-वेस्ट को रिसाइकिल किया गया है।

ई-वेस्ट में कैमिकल और धातु का मिश्रण

■ गीनरकेप ईको मैनेजमेंट प्राइवेट लिमिटेड के अध्यक्ष डॉ. अशोक कुमार ने कहा कि ई-वेस्ट में कैमिकल और धातु होती है। इसलिए इतका सही तरह से निस्तारण बहुत जरूरी है। ई-वेस्ट में संभयाना रखनी होगी, क्योंकि इसमें 46 पीएसटी धातु और 28 पीएसटी प्लास्टिक होते हैं।

■ भारतीय उद्योग परिषद, राजस्थान के अध्यक्ष राजेंद्र राठौर ने कहा कि ई-वेस्ट के निस्तारण के लिए राज्य सरकार ने यह नवाचार ब्रेक प्रॉसेस है तब यह भविष्य में ई-वेस्ट के निस्तारण एवं प्रबंधन में महत्वपूर्ण भूमिका निभाएगा। इस मौके पर ई-वेस्ट संग्रहण में योगदान करने वाली औद्योगिक संस्थाओं के प्रतिनिधियों को सम्मानित भी किया गया।

Source: Rajasthan Patrika



RSPCB flagged off an E-Waste Collection van



Nimal Tiwari and Research Institute (EPTRI).

Jaipur: Rajasthan State Pollution Control Board (RSPCB) observed 'International E-Waste Day' for the first time on 15 day. Board ch. 'son Venu Gupta flagged off an E-Waste Collection Mobile Van. An MoA was also signed with the Environment Protection Training

Moreover, the second phase of 'Takeback' portal of Reverse Logistics Group and E-Waste Collection Campaign was also launched. The campaign will be run in the industrial areas of Alwar, Bhiwadi, Jodhpur & Bhilwara. According to the United Nations, 7.6 kg of e-waste will be created per person in 2021.

Source: Times of India



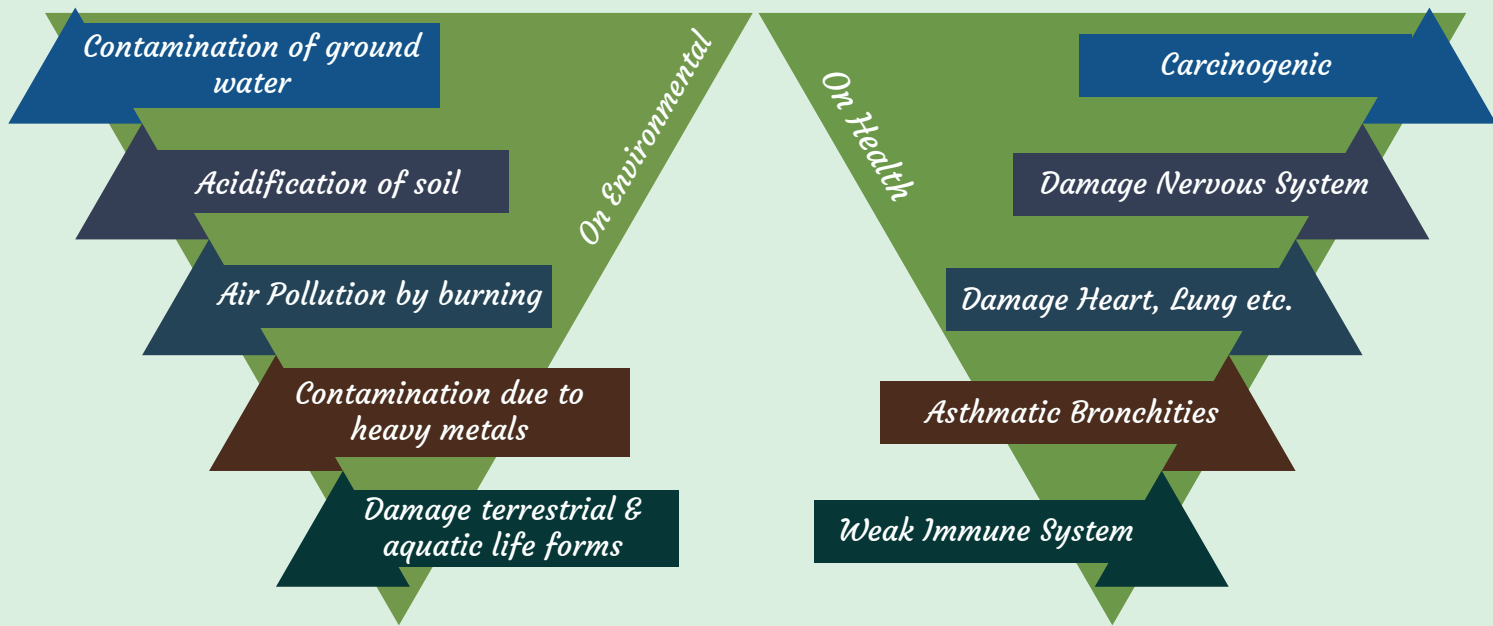
मोबाइल वैन से ई-वेस्ट किया जाएगा एकत्रित

दैनिक नवज्योति

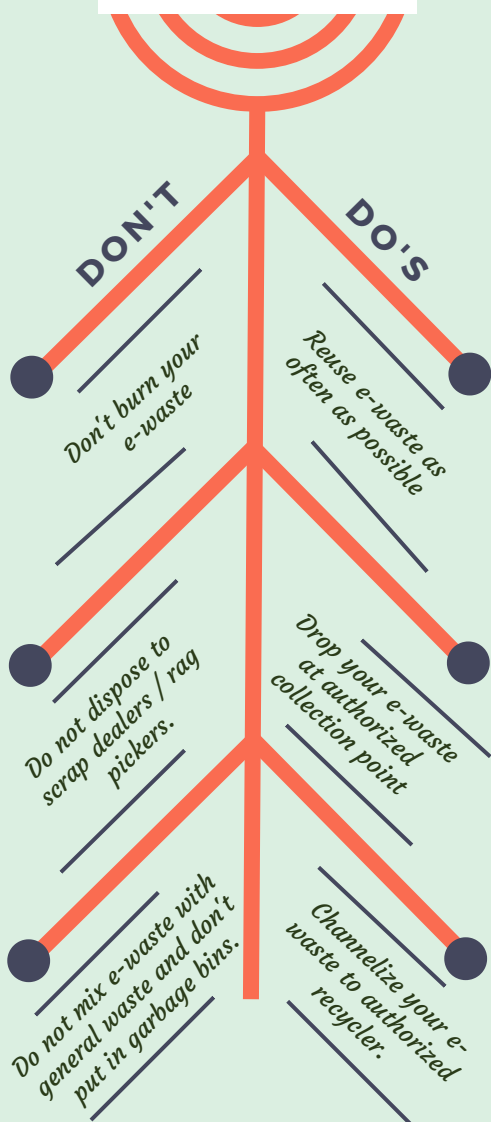
दैनिक नवज्योति, जयपुर। राजस्थान राज्य प्रदूषण नियंत्रण मंडल मुख्यालय में गुरुवार को अंतरराष्ट्रीय ई-वेस्ट दिवस पर विभिन्न कार्यक्रम हुए। कार्यक्रम में मोबाइल वैन के माध्यम से ई-वेस्ट एकत्रित करने के बारे में बताया गया। राज्य मण्डल के सदस्य आनंद मोहन ने बताया कि राजस्थान राज्य प्रदूषण नियंत्रण मंडल की ओर से अंतरराष्ट्रीय ई-वेस्ट दिवस का पहली बार आयोजन किया गया है। इस अवसर पर भीलवाड़ा, जोधपुर, अलवर और भिवाड़ी के विभिन्न औद्योगिक क्षेत्रों और रिहायशी कॉलोनिजों, रैजिडेंटियल वेलफेयर एसोसिएशन शांति मॉल व अन्य वाणिज्यिक संस्थानों के लिए ई-वेस्ट कलेक्शन ड्राइव का आयोजन किया। राज्य मंडल की अध्यक्ष वीनू गुप्ता ने हरी झंडी दिखाकर ई-वेस्ट कलेक्शन ड्राइव के लिए वाहनों को रवाना किया। 21 अक्टूबर तक चलने वाले इस ड्राइव में राज्य में ई-वेस्ट के अधिकृत डिस्पॉजर व रिसाइकलर्स की ओर से उपयोगकर्ता से ई-वेस्ट एकत्रित किया जाएगा और जागरूकता भी लाई जाएगी।



IMPACT OF E-WASTE



DO'S & DON'T FOR E-WASTE DISPOSAL



DID YOU KNOW?



It is interesting to note that all medals in Tokyo Olympic 2020 were made of old electronic devices.



It is fascinating that people are plugging into new trend : jewellery made from e-waste. Many companies are coming forward with these type of initiatives.



*Message from
Member Secretary*

E-waste is one of major concern growing in front of our developing electronic world. In present scenario, most part of household e-waste is reaching to informal sector through kabadiwalas. It is important to aware each stakeholder involved in the chain of E-waste generation and management to understand its ill effect on environment and human health.

E-waste is mixture of many precious metals such as Gold, Silver, Platinum, Palladium and other important metals. Integrated E-waste recycling becomes crucial to recover these valuable metals. Recovery of these metals will also help to lessen the burden on the virgin resources and curtail the detrimental effects caused by dumping, burning and from unscientific method of recycling.

I am thankful to our chairperson ma'am for inspiring us to collaborate with other stakeholders and aim to build proper network for management of E-waste in our purview. Initiatives taken by us mainly focuses on spreading awareness to each stakeholders involved in e-waste management network.

Anand Mohan
I.F.S
Member Secretary

FOLLOW US AT



Chairperson

Smt. Veenu Gupta, IAS

Member Secretary

Sh. Anand Mohan, IFS

Chief Env. Engineer

Dr. Vijai Singhal

ENVIS Coordinator

Sh. Bhuvnesh Mathur, SEE

Sh. Sanjay Kothari, EE

Smt. Prasputita Nanda, SO

Newsletter Preparation

Sh. Niraj Mathur, ACEE

Sh. Abhishek Sharma, SO

Compiled & Designed by

Ms. Priyanshi Tiwari, JSO

Mrs. Ankita Bhardwaj, IO

Mr. Mahendra Choudhary, IT Officer

Mr. Diwakar Sharma, DEO

Rajasthan State Pollution Control Board

4, Institutional Area, Jhalana Doongri,
Jaipur- 302004 Phone – 0141-2716802

Email - member-secretary@rpcb.nic.in, envishubrspcb@gmail.com

Helpline No. - 0141-2716877