

NEW DELHI MUNICIPAL COUNCIL

E-Waste Collection Centres and disposal system in NDMC

PRESS RELEASE

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In compliance with E-waste management rules of Govt. of India, NDMC has put in a robust e-waste collection and disposal system in place. With increasing use of electronic and IT related goods at domestic and commercial level generation of e-waste has increased manifold. E-Waste if left untreated and disposed unscientifically can create severe health hazards like damage to central and peripheral; nervous systems, effects brain development and damage kidney.

Reproductive, immunity and endocrine systems are severely damaged by exposure to brominated flame retardants, chromium, mercury etc.



"E-waste" is a popular, informal name for electronic products nearing the end of their "useful life." E-wastes are considered dangerous, as certain components of some electronic products contain materials that are hazardous, depending on their condition and density. The hazardous content of these materials pose a threat to human health and environment. Discarded computers, televisions, VCRs, stereos, copiers, fax machines, electric lamps, cell phones, audio equipment and batteries if improperly disposed can leach lead and other substances into soil and groundwater. Many of these products can be reused, refurbished, or recycled in an environmentally sound manner so that they are less harmful to the ecosystem. This paper highlights the hazards of e-wastes, the need for its appropriate management and options that can be implemented.

Types of E-waste:

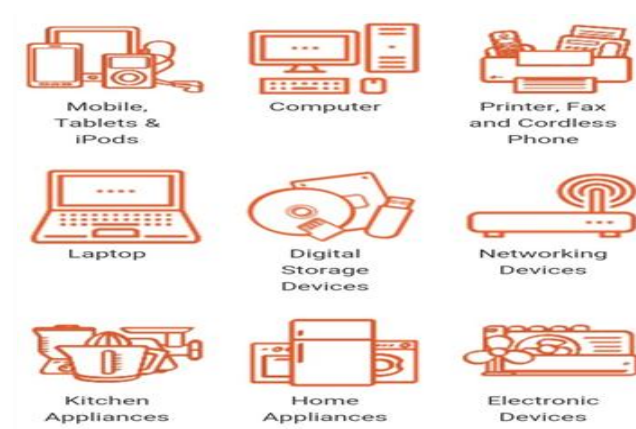


Table I: Effects of E-Waste constituent on health

Source of e-wastes	Constituent	Health effects
Solder in printed circuit boards, glass panels and gaskets in computer monitors	Lead (Pb)	<ul style="list-style-type: none">• Damage to central and peripheral nervous systems, blood systems and kidney damage.• Affects brain development of children.
Chip resistors and semiconductors	Cadmium (Cd)	<ul style="list-style-type: none">• Toxic irreversible effects on human health.• Accumulates in kidney and liver.• Causes neural damage.• Teratogenic.
Relays and switches, printed circuit boards	Mercury (Hg)	<ul style="list-style-type: none">• Chronic damage to the brain.• Respiratory and skin disorders due to bioaccumulation in fishes.
Corrosion protection of untreated and galvanized steel plates, decorator or hardner for steel housings	Hexavalent chromium (Cr) VI	<ul style="list-style-type: none">• Asthmatic bronchitis.• DNA damage.
Cabling and computer housing	Plastics including PVC	Burning produces dioxin. It causes <ul style="list-style-type: none">• Reproductive and developmental problems;• Immune system damage;• Interfere with regulatory hormones
Plastic housing of electronic equipments and circuit boards.	Brominated flame retardants (BFR)	<ul style="list-style-type: none">• Disrupts endocrine system functions
Front panel of CRTs	Barium (Ba)	Short term exposure causes: <ul style="list-style-type: none">• Muscle weakness;• Damage to heart, liver and spleen.
Motherboard	Beryllium (Be)	<ul style="list-style-type: none">• Carcinogenic (lung cancer)• Inhalation of fumes and dust. Causes chronic beryllium disease or berylliosis.• Skin diseases such as warts.

Mechanism developed by NDMC :

In order to provide people a robust mechanism, NDMC has launched:

1. Free door to door pickup
2. Five collection centers NDMC
3. Empanelling agencies /start ups to encourage recovery of value from E-waste.

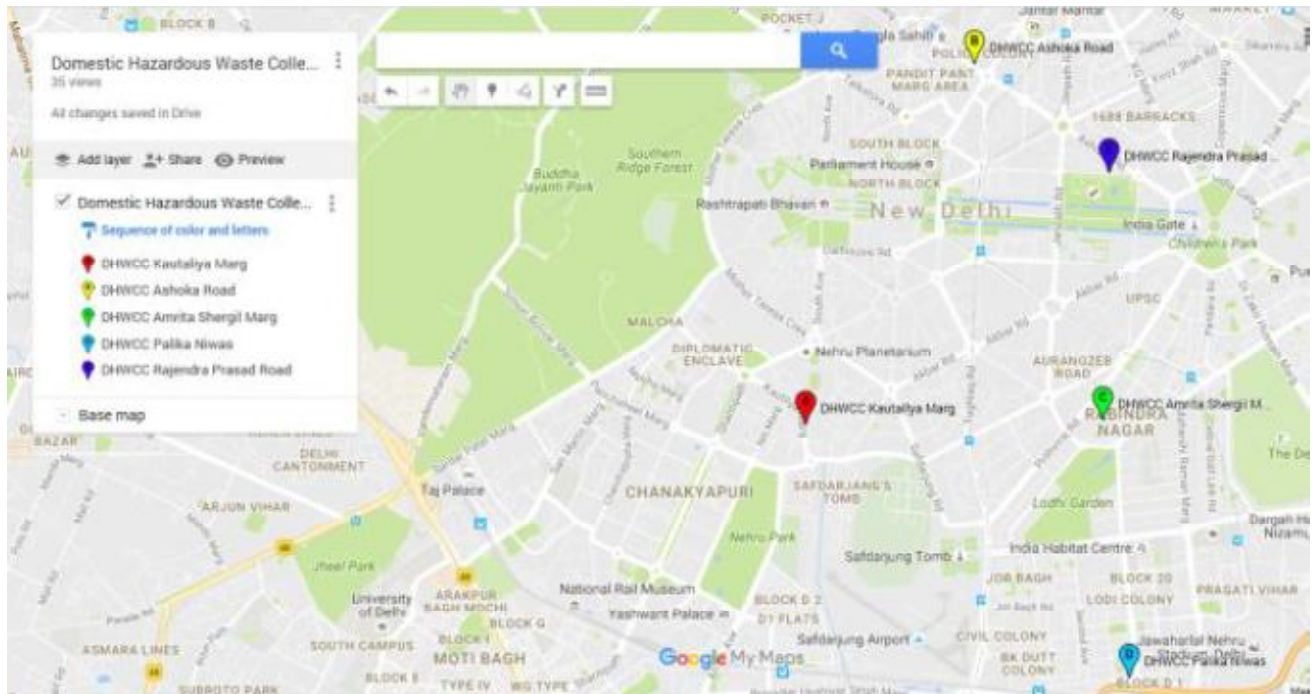
Citizens can either request for free home pickup or drop these items at collection points. These items will be scientifically disposed off. So, that there is no health or environmental hazard.

These services are available on official mobile application of council NDMC 311.

Chintan

E-Waste Collectors in New Delhi Municipal Council Area

S.No	Name of Center	Contac Person	Contact Detail
1.	Domestic Hazardous Waste Collection Center at Kautaliya Marg, Near Assam house, New Delhi-110021	Vivek Vishal	9205192513
2.	Domestic Hazardous Waste Collection Center in front of Palika Niwas, New Delhi-110003	Vivek Vishal	9205192513
3.	Domestic Hazardous Waste Collection Center, Amrita Shergill Marg, near gate no. 8, Rabindra Nagar, Delhi-110003	Vivek Vishal	9205192513
4.	Domestic Hazardous Waste Collection Center at near Indira Gandhi Center of Arts, Rajendra Prasad Road, New Delhi-110001	Vijay Bhatt	7290002570
5.	Domestic Hazardous Waste Collection Center in front of Election Commission of India, Ashoka Road, New Delhi-110001	Vijay Bhatt	7290002570



Google Map Link:

https://www.google.com/maps/d/edit?hl=en_US&mid=1w3zTbBxPrZC4FXVncKNGRsAAIGk

Image 1: Domestic Hazardous Waste Collection Centers, NDMC

Shehrawat