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Clean E-Bhubaneswar



About Clean e-Bhubaneswar



As one of the fastest growing waste streams, e-waste has become a pressing issue in the drive towards Swachh Bharat. Recognizing this, the E-waste Rules from 2011 were revised in 2016, bringing in more streamlined and defined responsibilities for various stakeholders, particularly producers and bulk consumers of electronics and electrical appliances.

As the consumption of electronic gadgets and appliances increases, Bhubaneswar, one of the fastest growing cities in India, is generating increasing volumes of e-waste, estimated at approximately 2700 tons per year. However, the formal infrastructure to channelize the e-waste for sound recycling is minimal and underdeveloped. Over 95% of these obsolete electronic items are sold to scrap dealers and eventually disposed of using environmentally unsound practices, leading to severe health and environmental issues.

The Bhubaneswar Municipal Corporation aims to ensure that the city's e-waste is collected and recycled in an environmentally sound manner.

To achieve this, the International Finance Corporation (IFC) and World Bank Group, in partnership with implementing organizations, Sofies Sustainability Leaders Pvt. Ltd. and Siddha Development Research and Consultancy (SDRC), seeks to establish a working model for e-waste collection in Bhubaneswar that would be self-sustaining and serve as a model for effective e-waste management in other cities as well.

The overall aim of "Clean e-Bhubaneswar" under the 'IFC-EU Eco-Cities program is to support BMC to put in place a sustainable e-waste management eco-system in Bhubaneswar :-

Establish an effective e-waste collection system in the city that ensures proper channelization

Generate awareness among consumers, households, schools, colleges and other institutions regarding e-waste

Develop a sustainable e-waste ecosystem in the city that integrates the informal sector, and creates appropriate linkages between all stakeholders of the e-waste supply chain leading to a locally sustainable and viable recycling and processing of e-waste

Got E-Waste? 
Give us a call - 18001202723
www.cleanebhubaneswar.in

A Joint Initiative of

Implementation Partners



Product Covered Under the E-Waste Rules, 2016



Servers



Personal Computers



Laptops



Notebooks



Notepads



Printers



Copiers



Electronic Typewriters



User Terminals



Fax Machines



Telex Machines



Telephones



Payphones



Cordless Phones



Cellphones



Answering Machines



Televisions



Refrigerators



Washing Machines

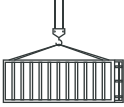


Air Conditioners



Lamps

Am I a Bulk Consumer?



Any organisation with a turnover above 1 crore or more than 20 employees. This is specially relevant for :-

Central Government or State Government Department

Public Sector Undertaking

Bank

Educational Institution

Multinational Organisation

Public or private company with a turnover above 1 crore or more than 20 employees

Responsibilities of a Bulk Consumer

Before Purchase and During Use

Ensure purchase only from EPR compliant producers – check if the producer has an active EPR authorisation from the CPCB website

Ask your producer or their distributor/ retailer for their take-back policy for end-of-life products

Assess whether to repair or dispose

At End-of-Life and on Disposal

Ensure that e-waste is not mixed with other types of waste streams – including other hazardous wastes or solid waste eg. food, paper, plastic etc.

Ensure e-waste is disposed of through authorised channels such as authorised Producer Responsibility Organisations, dismantlers or recyclers

Maintain a record of collection, sale, transfer and storage of e-waste and make these records available for inspection in case requested by the SPCB

Submit annual returns of e-waste generated annually, per product category by the 30th of June to their respective State Pollution Control Board (SPCB)

As a bulk consumer of electronics you are responsible for the E-Waste generated by you



Compliance and Reporting

FORM-2 : Form for Maintaining Records of E-Waste Handled or Generated

Format for maintaining e-waste records

Keep records of the specific categories and quantities in metric tonnes of all e-waste generated and stored, as well details of the destination of disposal of e-waste

FORM-3 : Form for Filing Annual Returns of Amount of e-waste Generated

Format for reporting e-waste generated and disposed of in a financial year (eg. April2017 – March 2018)

To be submitted to the State Pollution Control Board **on or before the 30th day of June** following the financial year to which that return relates



Form-6: E-Waste Manifest

The transportation of e-waste shall be carried out as per the manifest system

Prepare and hand over to the transporter three copies of Form-6, specifying that the e-waste is for disposal

How We Can Help

Propose e-waste policy, system and processes for quick and easy compliance

Support with inventory of e-waste

Provide support with reporting and record keeping

Conduct awareness campaigns and workshops with your employees as part of CSR

Collection and channelization of e-waste through authorised channels

For more information, to download guidelines and legislation text and access the list of authorised recyclers, please visit :-

Central Pollution Control Board : www.cpcb.nic.in

Ministry of Environment, Forest and Climate Change : www.envfor.nic.in



What is E-Waste?

E-waste' is 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; According to the Global E-waste Monitor published by the UNU, India generates nearly 2 million tons of e-waste every year. Estimates by Sofies-SDRC indicate that Bhubaneswar alone is expected to generate more than 2700 tons of e-waste in 2018.

Due to the exponential increase in usage and fast obsolescence of electronic products, e-waste one of the fastest growing waste streams in the world. E-waste comprises of valuable materials; plastic, glass, and metals that include precious and rare ones such as copper, aluminium, silver, gold, cadmium, palladium, among others. E-waste also contains toxic materials that pose both health and environmental hazards when disposed of unscientifically.

E-Waste (Management) Rules, 2016

E-waste Rules, 2016, apply to producer, manufacturer, consumer and Bulk Consumer, collection centers, dealers, e-retailer, refurbisher, dismantler and recycler



Principle

Extended Producer Responsibility (EPR) making e-waste management the "responsibility of any producer of electrical or electronic equipment, for channelisation of e-waste to ensure environmentally sound management of such waste.



Objectives

Improve awareness of consumers regarding e-waste and its proper disposal

Provide impetus and legal support to establish and finance sound e-waste management mechanism; eliminate unauthorised, unsound informal e-waste recycling

Reduce hazardous substances in EEE (through Restriction of Hazardous Substances used in manufacture)



FORM 2

[See rules 4(4), 5(4), 6(5), 8(7), 9(2), 10(7), 11(8), 13 (1) (xi), 13(2)(v), 13(3)(vii) and 13 (4)(v)] FORM FOR MAINTAINING RECORDS OF E-WASTE HANDLED OR GENERATED

Generated Quantity in Metric Tonnes (MT) per year

1	Name & Address: Producer or Manufacturer or Refurbisher or Dismantler or Recycler or Bulk Consumer*		
2	Date of Issue of Extended Producer Responsibility Authorisation*/ Authorisation*		
3	Validity of Extended Producer Responsibility Authorisation*/ Authorisation*		
4	Types & Quantity of e- waste handled or generated**	Category Item Description	Quantity
5	Types & Quantity of e-waste stored	Category Item Description	Quantity
6	Types & Quantity of e-waste sent to collection centre authorised by producer/ dismantler/ recycler / refurbisher or authorised dismantler/recycler or refurbisher**	Category Item Description	Quantity
7	Types & Quantity of e-waste transported* Name, address and contact details of the destination	Category Item Description	Quantity
8	Types & Quantity of e-waste refurbished* Name, address and contact details of the destination of refurbished materials	Category Item Description	Quantity
9	Types & Quantity of e-waste dismantled* Name, address and contact details of the destination	Category Item Description	Quantity
10	Types & Quantity of e-waste recycled*	Category Item Description	Quantity
11	Types & Quantity of materials recovered Name, address and contact details of the destination	Category Item Description	Quantity
12	Types & Quantity of e- waste sent to recyclers by dismantlers Name, address and contact details of the destination	Category Item Description	Quantity
13	Types & Quantity of other waste sent to respective recyclers by dismantlers/recyclers of e-waste Name, address and contact details of the destination	Category Item Description	Quantity
14	Types & Quantity of e-waste treated & disposed Name, address and contact details of the destination	Category Item Description	Quantity

(2) * Provide any further information as stipulated in the conditions to the authoriser

(3) ** For producers, this information has to be provided state-wise



FORM 3

[See rules 4(5), 5(5), 8(6), 9(4), 10(8), 11(9), 13 (1) (xi), 13(2)(v), 13(3)(vii) and 13(4)(v)]

FORM FOR FILING ANNUAL RETURNS

[To be submitted by producer or manufacturer or refurbisher or dismantler or recycler by 30th day of June following the financial year to which that return relates].

Quantity in Metric Tonnes (MT) and numbers

1	Name and address of the producer or manufacturer or refurbisher or dismantler or recycler			
2	Name of the authorised person and complete address with telephone and fax numbers and e-mail address			
3	Total quantity of e-waste collected or channelized to recyclers or dismantlers for processing during the year for each category of electrical and electronic equipment listed in the Schedule I (Attach list) by PRODUCERS			
	Details of the Above	Type	Quantity	Number
3A*	BULK CONSUMERS : Quantity of e-waste			
3B*	REFURBISHERS : Quantity of e-waste			
3C*	DISMANTLERS : i. Quantity of e-waste processed (Code wise) ii. Details of materials or components recovered and sold iii. Quantity of e-waste sent to recycler iv. Residual quantity of e-waste sent to Treatment, Storage and Disposal Facility.			
3D*	RECYCLERS : i. Quantity of e-waste processed (Code wise) ii. Details of materials recovered and sold in the market iii. Details of residue sent to Treatment, Storage and Disposal Facility			
4	Name and full address of the destination with respect to 3(A)-3(D) above			
5	Type and quantity of materials segregated or recovered from e-waste of different codes as applicable to 3(A)-3(D)	Type	Quantity	

Enclose the list of recyclers to whom e-waste have been sent for recycling.

Place _____

Date _____

Signature of the authorised person

Note :-

- (1) * Strike off whichever is not applicable
- (2) Provide any other information as stipulated in the conditions to the authoriser
- (3) In case filing on behalf of multiple regional offices, Bulk Consumers and Producers need to add extra rows to 1 & 3(A) with respect to each office