

GOVERNMENT OF INDIA  
MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE

**RAJYA SABHA**  
**UNSTARRED QUESTION NO. 675**  
**TO BE ANSWERED ON 26.07.2021**

**Assessment of generation of e-waste**

675. SHRI NEERAJSHEKHAR:

Will the Hon'ble Minister of ENVIRONMENT, FOREST AND CLIMATE CHANGE be pleased to state:

- (a) the details of e-waste generated during 2019, 2020 and 2021 so far, in the country, State-wise;
- (b) the details of deaths reported due to e-waste in the country during 2018, 2019, 2020 and 2021 so far, State-wise;
- (c) whether Government has assessed the increase in e-waste generation in the country year by year;
- (d) if so, the details thereof and corrective steps taken in this regard; and
- (e) if not, the reasons therefor?

**ANSWER**

**MINISTER OF STATE IN THE MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE**  
**(SHRI ASHWINI KUMAR CHOUBEY)**

(a) Under the E-Waste (Management) Rules, 2016 amended time to time, twenty-one (21) types of electrical and electronic equipment (EEE) has been notified. These notified EEE at the end of their life becomes E-Waste. The input data for estimation of generation of e-waste is available only from the year 2017-18 and for national level generation only. State Wise data on e-waste generation is not available. Information on national level e-waste generation is available financial year (FY) wise for the FY 2017-18, 2018-19 and 2019-20 and is given in the table below:

S.No.	Financial year	Estimated Generation (Tonnes)	% Increase
1.	2017-2018	7,08,445	NA
2.	2018-2019	7,71,215	8.86%
3.	2019-2020	10,14,961.2	31.60%

- (b) No deaths have been reported due to E-Waste.
- (c) Yes, Government has assessed the increase in E-Waste in the country during 2017-18, 2018-19 and 2019-20. The formula for estimation of E-Waste generation involves sale of EEE. Scrutiny of sales data reveal that there have been continuous increases in the sales data since 2007-08 and hence there is an increase in E-Waste generation. The assessment of e-waste generation is being carried out year wise. The increase in the generation of E-Waste is given in the table above.

(d) The corrective steps regarding increase of E-Waste generation have been taken and are given below:

- Management of e-waste is regulated under the frame work of E-Waste (Management) Rules, 2016 as amended time to time. The said rules are effective from 01.10.2016 and have the following specific objectives:
  - (i) Extended Responsibility to producers to manage a system of E-waste collection, storage, transportation and environmentally sound dismantling and recycling through EPR Authorization (EPR).
  - (ii) To promote and encourage establishment of an efficient e-waste collection mechanism.
  - (iii) To promote Environmentally Safe & Sound Recycling through authorized dismantlers and recyclers of e-waste.
  - (iv) To minimize illegal recycling / recovery operations.
  - (v) Reduce Hazardous substances in Electrical and Electronic components.
- As per the rules, CPCB is issuing EPR authorization to the producers of EEE along with e-waste collection targets on annual basis. As per the information provided by CPCB, a total no of 1766 Producers have been registered for EPR Authorization and also 57 Producers Responsibility Organizations (PROs) have obtained registration.
- Presently 400 dismantlers/recyclers of E-Waste are operating in 20 States namely Andhra Pradesh, Assam, Chhattisgarh, Gujarat, Goa, Haryana, Himacahal Pradesh, Jammu & Kashmir, Jharkhand, Karnataka, Madhya Pradesh, Maharashtra, Odisha, Punjab, Rajasthan, Tamil Nadu, Telangana, Uttar Pradesh, Uttarakhand and West Bengal. These authorised dismantlers/recyclers have annual processing capacity is 10,68,542.72 tonnes.
- For enforcement of the said rules in the country, an action plan is in place and the same is being implemented by all SPCBs/PCCs in their respective states/UTs. SPCBs/PCCs are submitting quarterly progress report as envisaged in the Action Plan through a web portal developed for this purpose.

(e) In view of the above this does not arise.

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