

## **E-waste Management**

### **Introduction:**

E-waste is defined as any discarded electrical or electronic equipment. This comprises products that are either thrown away or donated to a charity reseller such as Goodwill. When an item in a store goes unsold, it is frequently discarded. Toxic compounds naturally leach from the metals inside e-waste when it is buried, making it extremely harmful.

As per E-waste Rule 2016, the E waste defined as '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.

Many valuable, recoverable elements can be found in e-waste, including aluminum, copper, gold, silver, polymers, and ferrous metals. In order to conserve natural resources and the energy needed to produce new electronic equipment from virgin resources, electronic equipment can be refurbished, reused, and recycled instead of being land-filled.

Mercury, lead, cadmium, beryllium, chromium, and chemical flame retardants are among the toxic and hazardous compounds found in e-waste, and they have the potential to leak into our land and water.

### **Benefits of E-waste Recycling**

- **Electronics Recycling Conserves Natural Resources**

There are end numbers of materials that can be recovered from old electronics. These materials can be used to make new products, thus reducing the need to mine for new raw materials. For instance, various metals can be recovered from computer circuit boards and other electronics, and the plastics and glass found in computer monitors and televisions can be recycled.

- **Electronics Recycling Supports the Community**

Donating your old electronics plays a major role in the provision of refurbished products such as computers and mobile phones, which can be of great help to low-income families, schools, and not-for-profit organizations. It also assists individuals in gaining access to technologies that they otherwise would not have been able to buy.

- **Electronics Recycling Creates Employment Locally**

It Consider that around 90 percent of electronic equipment is recyclable, electronics recycling can play a important role in generating employment. This is because new firms dealing with electronics recycling will form and existing firms will look to employ more people to recover recyclable materials. This can be triggered by the increase in the demand for electronics recycling.

- **Electronics Recycling Helps Protect Public Health and the Environment**

Many electrical devices contain toxic or dangerous compounds like mercury and lead, which can harm the environment if discarded in trashcans. Reusing and recycling electronics in a responsible manner helps to keep hazardous materials out of the hands of humans and the environment. For example, televisions and computer monitors are hazardous since they have lead in them. Printed circuit boards contain harmful materials such as cadmium, lead, mercury and chromium. Also, batteries in computers and other electronics may contain hazardous materials such as cadmium, mercury and lead.

- Recycling or reusing old gadgets instead of storing them in the house or dumping them in landfills is a good alternative that individuals and organizations should promote. Given the numerous advantages of electronics recycling, it is critical that people from all walks of life embrace this concept.
- **Creates Jobs:** E-waste recycling creates new jobs for professional recyclers and creates a second market for the recycled materials.

### **Collection Mechanism of e-waste:-**

#### **The company had planned to adopted the Buy-back Scheme**

Under Buy back Scheme, in cases where the customer wants to discard their old product, they may call at the Toll-Free number (**1800 120 9022**) and our representatives shall approach to the customer and buy the said discarded product from the customer and in consideration.

The Customer shall also be free to deposit the discarded product at the nearest collection point and he will get the discount voucher and shall be eligible for the discount on purchase of selected new product of the Company. The company will coordinate with other independent vendors who may sale the e-waste/EOL product collected by them.

The company will furthermore elaborate its scheme and shall keep updating the same based on the experience faced while implementing the said schemes on a quarterly basis.

#### **Direct Collection from Customer's premises**

For collection of e-waste The Company has setup toll free number where any customer may call and register itself for either depositing its old product as free of cost or otherwise under buy-back program initiated by company. The company shall give its toll-free number on their product manuals, website, social networking platforms and at its various connected premises for its customer information for disposal of the e-waste. The customer can directly call on these numbers and the e-waste will be directly collected by the company or by its recycler partner. The company has recycler partner who has manage logistic service through Professional Logistics Private Limited Available at most of the locations at its collection centers.

**Recycling of E-waste:**

The company has tied -up with the Kwikstop Recycling Solutions Private Limited for collection of all our E-waste on PAN India and disposes the same at their plant at Facility - **I-3, UPSIDC Sikandrabad Industrial Area, Buland Shahar, 203205, Buland Shahar Uttar Pradesh**. Customer can reach or call on Toll Free No **(1800 120 9022)**. Our representatives explain them about process of disposal and make them aware about nearest drop point available to drop the e-waste also give information about incentive we will offer to them against their end of life product. If any customer wants to handover the material from their door steps, we do send either our logistics team or E-waste Solutions team to collect the items and channelize the same to our e-waste partner plant for final processing.

**Do's & Don'ts****Do's:**

- Always look for information on the catalogue with your product for end-of-life equipment handling.
- Ensure that only Authorized Recyclers/Dismantler handle your electronic (i.e. LED Tv's and accessories) products
- Always call at our toll-free No's to Dispose products that have reached end-of life
- Always drop your used electronic products, batteries or any accessories when they reach the end of their life at your nearest Authorized E-Waste Collection Points.
- Always disconnect the battery from product, and ensure any glass surface is protected against breakage.

**Don'ts:**

- Do not dismantle your electronic Products on your own
- Do not throw electronics in bins having "Do not Dispose" sign.
- Do not give e-waste to informal and unorganized sectors like Local Scrap Dealer/ Rag Pickers.

Do not dispose your product in garbage bins along with municipal waste that ultimately reaches landfills.

# ANNEXURE-I

S. No.	State	Address 1	Address 2	Address 3	Logistics Partner Name	Branch Manager Name	Contact No	Branch Exists (Yes/NO)
1	New Delhi	Plot No. 619, Block A, Milakpur Kohi,Near Tata Telco Service Station	Rangpuri, Mahipalpur	Delhi - 110037	Professional Logistics Pvt. Ltd	Mr.Rajkumar Poonia	9810053907	YES
2	Uttar Pradesh	S 317, Transport Nagar, Near RTO Office	Lucknow	UP- 226012	Professional Logistics Pvt. Ltd	Mr. Krishan Kumar	9335166155/ 9305166155	YES
3	Maharashtra	Plot No. 92, Gali No. – 01, Sector-19C	Vashi,Navi Mumbai	Maharashtra – 400705	Professional Logistics Pvt. Ltd	Mr. Balwan Singh	9372166155/ 9371644600	YES
4	Tamil Nadu	3/27 Sakthi Garden Phase II, Senneerkuppam,	Poonamallee, Near Bisleri Water Plant	Tamil Nadu-600056	Professional Logistics Pvt. Ltd	Mr. Vikas Kumar	9363166155/ 9362005006	YES
5	Haryana	Shop No.16, 2nd Floor, 40 Feet Road,, Phase 2, Opp Rions Hospital,Palam Vihar,	Gurugram	HARYANA - 122017	Professional Logistics Pvt. Ltd	Mr. Rajesh	9711563229	YES
6	Telangana	Plot No.-111,Jk Nagar Quthbullapur Rangaraddy Near Bharat Patrol Pump	Hyderabad	Telangana-500055	Professional Logistics Pvt. Ltd	Mr. Vinod	9395166155/ 9396166155	YES
7	Karnataka	No.43 1st floor 2nd Main D.D.U.T.T.L.	Yeshwantpur	Karnataka -560022	Professional Logistics Pvt. Ltd	Mr. Ratan Lal	9886250346	YES
8	Assam	HN-34, Kundil Nagar Basistha Chariali,	Near Parbhat Apartment, Guwahati	Assam-781029	Professional Logistics Pvt. Ltd	Mr.Sisram	9864048000	YES
9	Gujarat	Shop No. D-9, Pushp Tenament,	Behind Mony Hotel,, Isanpur, Ahmedabad	Gujarat - 382443	Professional Logistics Pvt. Ltd	Mr. Omvir	9312377782	YES
10	Bihar	Dr. A K Pandey (IPS) Malyanil,	Buddha Colony	Bihar-800001	Professional Logistics Pvt. Ltd	Mr. B.N Das	9934263618	YES
11	West Bengal	104 B T ROAD , SHED NO -15/3, R I C I E , BLOCK -2	Near by locknath mandir BONHOOGHLY KOLKATA 700108	WB – 700108	Professional Logistics Pvt. Ltd	Mr. Vikas Kumar	9674030500	YES
12	Punjab	Shop No: -13, Pabhat Road,	Opp – Tennis Academy, Zirakpur,	Punjab-140603	Professional Logistics Pvt. Ltd	Mr.Rajesh	9316166155	YES
13	Rajasthan	81, 200 ft. By Pass,	Near Ajmer, Road, Heerapura,	Rajasthan - 302021	Professional Logistics Pvt. Ltd	Mr.YogeshSaharan	9309413301	YES
14	J&K	117, Singh Complex, opp Indian oil Gas Plant,	Village Bari Brahmana Kartholi,Jammu	J&K-181133	Professional Logistics Pvt. Ltd	Mr. Naresh	9640063000	YES
15	Kerla	H.O -Building No-11/286A Kallarackal House Palliamkara H.M.T Colony P.O	Near HMT Post Office Ernakulam Cochin	Kerala -683504	Professional Logistics Pvt. Ltd	Mr.Ramesh	8891991199	YES
16	Madhya Pradesh	C-317, ShriRameshwaram, Baghmugaliya	Bhopal	MP- 462043	Professional Logistics Pvt. Ltd	Mr.Kuldeep	9300211877	YES
17	Orissa	Plot No. 117/1388, Near N.H Side,Pandra, Khorda,	Bhubneswar	Orissa-751006	Professional Logistics Pvt. Ltd	Mr. Nagesh	9831919193	YES
18	Uttarakhand	Prem Nagar IMA	Dehradun	Uttarakhand-248007	Professional Logistics Pvt. Ltd	Mr.Sandeep	97602985500	YES
19	Jharkhand	Radha Complex Khel Gaon More	Deepa Toli Ranchi	Jharkhand-834009	Professional Logistics Pvt. Ltd	Mr.Ramesh	9334793207	YES
20	Himachal Pradesh	Darnu, K.B Dharamshala	District Kangra	HP-176215	Professional Logistics Pvt. Ltd	Mr.Ajay	8091126007	YES
21	Goa	Shop No.40, Iind Floor Ponda Commerce Center	Near IDBI Bank Tisk Ponda	Goa-403401	Professional Logistics Pvt. Ltd	Mr.Mangi Ram	9822115763	YES
22	Andhra Pradesh	Godown No-12-18/3 Near Mary Palam Bus Stop	Lankelapalem Visakhapatnam	Andhra Pradesh-531021	Professional Logistics Pvt. Ltd	Mr.Jogti Ram	9391833223	YES
23	Arunachal Pradesh	Mithun Gate Near Town Baptist	Church Nyokum Lapang Itanagar	Arunachal Pradesh-791111	Professional Logistics Pvt. Ltd	Mr.Atul Hussain	8794478851	YES
24	Chhattisgarh	MIG 267 Kabir Nagar Near Commercial Complex	Raipur	Chhattisgarh-492099	Professional Logistics Pvt. Ltd	Mr.Sabdeep	9300403425	YES