

## **E-waste Management**

### **Introduction:**

Electronic waste, or e-waste, is a term for electronic products that have become unwanted, non-working or obsolete, and have essentially reached the end of their useful life.

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.

E-waste contains many valuable, recoverable materials such as aluminum, copper, gold, silver, plastics, 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.

E-waste also contains toxic and hazardous materials including mercury, lead, cadmium, beryllium, chromium, and chemical flame retardants, which have the potential to leach into our soil and water.

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

- **Electronics Recycling Conserves Natural Resources**

There are many 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 an important 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 helps individuals gain access to technology that they could not have otherwise afforded.

- **Electronics Recycling Creates Employment Locally**

Considering that around 90 percent of electronic equipment is recyclable, electronics recycling can play a significant role in creating 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 electronics have toxic or hazardous materials such as mercury and lead, which can be harmful to the environment if disposed of in trashcans. Reusing and recycling electronics safely helps in keeping the hazardous materials from harming humans or 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.

Instead of keeping old electronics in the house or dumping them in landfills, recycling or reusing them is an appropriate option that should be supported by individuals and organizations. Considering the benefits of electronics recycling, it is very important that people in various parts around the world 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 **(1800-102-5679)** 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 programme 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 their of 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 TCI EXPRESS LIMITED Ltd. available at most of the locations at its collection centers.

### **Recycling of E-waste:**

The company has tied -up with the E-Waste Recyclers India (EWRI) for collection of all our E-waste on PAN India and disposes the same at their plant at E-50, UPSIDC, Kosi Kotwan, Mathura, UP-281403 and India. Customer can reach or call on Toll Free No **1800-102-5679**. 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.

### **Collection Point**

M/s E-waste Recycler India has signed an agreement with **TCI Express limited for reverse logistics** for Channelization of E-waste to the facility.

#### **Collection Centers:**

<b>S.No.</b>	<b>Logistic</b>	<b>Location</b>	<b>Address</b>	<b>Person and contact No</b>	<b>Toll Free Number</b>
1	TCI EXPRESS LIMITED	VISHAKHAPATNAM	TCI EXPRESS LIMITED C/o-TRANSPORT HOUSE JAIL ROAD OPP JUDGE COURT B ESIDE CMR SHOPPING MALL VISHAKHAPATNAM, VISHAKHAPATNAM – 530020, ANDHRA PRADESH , In dia	Vikram-8912513411	18001025 679
2	TCI EXPRESS LIMITED	GUWAHATI	TCI EXPRESS LTD DAG NO 3488,3489 AND 3513,PATTA NO 2334,1815 AND 115. VILLAGE : SASUAJAI MOUZA , BEHARBARI OPPOSITE OLD ABC INDIA LTD. GODOWN,BELTOLA GUWAHATI – 781028, ASSAM , India	Hirdyesh-7578011627	18001025 679
3	TCI EXPRESS LIMITED	PATNA	TCI EXPRESS LIMITED Plot No-B26,28 , TRANSPORT HOUSE TRANSPORT NAGAR GA TE. NO 2 , NEW BY PASS NEAR ZERO MILE, PATNA – 800026, BIHAR , India	Sharavan Dubai 8051237580	18001025 679
4	TCI EXPRESS LIMITED	AMBALA	TCI EXPRESS LIMITED PLOT NO. 139/139A, NR.DHUULKOT VILLAGE, MODE L TOWN CROSSING, AMBALA CITY, AMBALA- 134003, HARYANA , INDIA	Amresh-7027546203	18001025 679
5	TCI EXPRESS LIMITED	CHANDIGARH	TCI EXPRESS LIMITED Plot No-21 TRANSPORT HOUSE, SEC-26, TRANSPORT AREA CHANDIGARH – 160019, CHANDIGARH , India	Varun-8558896108	18001025 679
6	TCI EXPRESS LIMITED	DELHI	TCI EXPRESS LIMITED Plot No-10,RAMBAGH, OLD ROHTAK ROAD, NEW_DELHI- 110007, DELHI, INDIA	SatiRam-9711626380	18001025 679
7	TCI EXPRESS LIMITED	GOA	TCI EXPRESS LIMITED HOP NO -7 ASMAS ARCADE ,CHAR-	Ajay-8368858693	18001025 679

			RASTA,KARASWADA BARDEZ, GOA- 403526, GOA, INDIA		
8	TCI EXPRESS LIMITED	AHMEDABAD	TCI EXPRESS LIMITED Plot No-5,GANESH ESTATE, BEHIND SURBHI GUEST HOUSE, S ARKHEJ BAVLA HIGHWAY,MORAIYA PATIYA, TEH.SA NAND AHMEDABAD - 382213, GUJARAT , India	<b>Praveen Sharma- 7574898428</b>	18001025 679
9	TCI EXPRESS LIMITED	GURGAON	TCI EXPRESS LIMITED PLOT NO 9, JATAULI HALEY MANDI, TEH. PATAUDI, GURGAON-122504, HARYANA,INDIA	<b>Santosh-9582336268</b>	18001025 679
10	TCI EXPRESS LIMITED	JAMMU	TCI EXPRESS LTD, C/O-BALI ESTATE OPP. J&K BANK, NEAR BATA SHOWROOM  M, NATIONAL HIGHWAY 1A GANGYAL, JAMMU- 180010, JAMMU & KASHMIR, INDIA	<b>Hemraj- 729196185 8</b>	18001025 679
11	TCI EXPRESS LIMITED	BANGALORE	TCI EXPRESS LIMITED PLOT NO-C-327, PENEYA INDUSTRIAL ESTATE, FIRST STAGE, BAN GALORE- 560058, KARNATAKA, INDIA	<b>Ashok- 9538893472</b>	18001025 679
12	TCI EXPRESS LIMITED	MYSORE	TCI EXPRESS LIMITED PLOT NO-92 P, BELAGOLA IND AREA SY NO 50 HEBBAL VILLAG E KRS ROAD MYSORE-570016, KARNATAKA, INDIA	<b>Ligin Raju- 9538893477</b>	18001025 679
13	TCI EXPRESS LIMITED	ERNAKULAM	TCI EXPRESS LIMITED PLOT NO-C NO. 155, B ,ANJIKATH VMB ROAD,PATHADIPPALA M, ERNAKULAM, KOCHI, ERNAKULAM- 682033, KERALA, INDIA	<b>Abdul Rahman- 9643549389</b>	18001025 679
14	TCI EXPRESS LIMITED	MUMBAI	TCI EXPRESS LIMITED UNIT NO - 76-97 , GROUND FLOOR , F - WING SOLARIS -1 SAKIVAH ROAD , OPP - L& T GATE NO -6 TUNGA GAON , POWAI , MUMBAI – 400072, MAHARASHTRA , India	<b>Amish- 7827746144</b>	18001025 679
15	TCI EXPRESS	CUTTAK	TCI EXPRESS LIMITED PLOT NO 1762 & 344, BETWEEN SARSTI	<b>Naveen- 7381064961</b>	18001025

	LIMITED		HOSPITAL A ND SAHARA OFFICE CUTTAK – 753012, ORISSA , India		679
16	TCI EXPRESS LIMITED	PONDICHERI	TCI EXPRESS LIMITED RS NO 111/3, ARYA COMPLEX THIRUMALA NAGAR,V ILLIANUR ROAD, MOLLAKULAM ,PUDUCHERRY – 605010, PONDICHERI , India	<b>Pawan kumar- 8098819911</b>	18001025 679
17	TCI EXPRESS LIMITED	PUNJAB	TCI EXPRESS LIMITED SCO - 102 CHAURA BAZAR NEAR STAR HOTEL RAJPURA – 140401, PUNJAB , India	<b>Satveer singh- 8558899896</b>	18001025 679
18	TCI EXPRESS LIMITED	JAIPUR	TCI EXPRESS LIMITED C/O-NARAYAN CAMPUS, NR. APPOLO TYRE GODOWN, JAI PUR - AJMER ROAD,BHANKROTA, JAIPUR – 302026, RAJASTHAN , India	<b>Anil- 7665020265</b>	18001025 679
19	TCI EXPRESS LIMITED	COIMBATORE	TCI EXPRESS LIMITED PLOT NO-2/264, N.G.G.O COLONY , IDIGARAI ROAD, COIMBAT ORE – 641022, TAMILNADU , India	<b>Ram- 8939865927</b>	18001025 679
20	TCI EXPRESS LIMITED	HYDERABAD	TCI EXPRESS LTD, BEARING NO. 12-85/1 MEDCHAL INDUSTRIAL AREA, MEDCHAL CHECK POST, BACKSIDE SBI INDUSTRIAL BRANCH, DISTRICT- MEDCHAL HYDERABAD – 501401, TELANGANA , India	<b>Hasnain- 8886611291</b>	18001025 679
21	TCI EXPRESS LIMITED	LUCKNOW	TCI EXPRESS LIMITED TCI HOUSE PLOT NO. A- 332, GROUND FLOOR TRANSPORT NAGAR, KANPUR ROAD LUCKNOW – 226012, UTTAR PRADESH , India	<b>Naveen- 7570004560</b>	18001025 679

22	TCI EXPRESS LIMITED	MEERUT	TCI EXPRESS LIMITED PLOT NO B-14, BEHIND SHEKHU PETROL PUMP, TRANSPORT NAGAR MEERUT – 250001, UTTAR PRADESH , India	<b>Jitender singh-7570004577</b>	18001025 679
23	TCI EXPRESS LIMITED	DEHRADUN	TCI EXPRESS LIMITED , PLOT NO B 1 TRANSPORT NAGAR SAHARANPUR ROAD DEHRADUN – 248001, UTTARANCHAL , India	<b>Bajrangi yadav-7570004581</b>	18001025 679
24	TCI EXPRESS LIMITED	HARIDWAR	TCI EXPRESS LIMITED G-01/03 AND 04 TRANSPORT NAGAR VILLAGE- SARAI NEAR SABJI MANDI JWALAPUR. HARIDWAR – 249404, UTTARANCHAL , India	<b>Pankaj Kumar-7570004570</b>	18001025 679
25	TCI EXPRESS LIMITED	KOLKATA	TCI EXPRESS LIMITED PLOT NO-3A, MAHENDRALOY LANE, MARUTI BAGAN NEAR MS MOTOR TOPSIA KOLKATA – 700046, WEST BENGAL , India	<b>Vismay-8336937705</b>	18001025 679