‘e-waste’ Management

Presented by: Deshwal e-waste Recycler

Authorised Licensed by: Rajasthan State Pollution Control Board
About ‘Deshwal E-Waste Recycler’

Deshwal E-Waste Recycler has 8 years of diversified and rich IT Experience. Recently ventured into e-waste management.

- Established in 2011, Facility at Khushkhera, Rajasthan
- Authorised by Rajasthan State Pollutions Control Board.
- Member of U.C.C.I, Udaipur for Hazardous Waste disposal.
- PAN India collection facility
- Recycling process approved by State Pollution Control Board

For More Information Logon to: www.e-wasterecycler.com
My Promise to the Environment
Less pollution is the best solution
Recycle today for a better tomorrow
Don’t throw it away, it can be used in some other way
Recycle takes little effort on your part, for a big difference to our world.
It’s easy being green
-Reduce, Reuse, Recycle
It’s the only Earth we’ve got
IT, Electronic & Electrical Waste is called ‘e-waste’

‘e-waste’ comprises of wastes generated from used IT & Electronic devices and household Electrical & Electronic appliances which are not in condition for their original intended use and are destined for recovery, recycling or disposal.
‘e-waste’ is considered dangerous as it may contain:

- Ferrous & Non Ferrous Metals
- Lead & lead oxide
- Plastic
- Cadmium
- Glass
- Toxic Metals
- PCB
- Acid etc.
- Rubber
- Toxic Gases
Indian Scenario

Generates 400,000 tonnes per year

Growth of 15% per year

Qty will double in every 6 Years

Recycled only 19,000 tonnes per year

Source: MAIT-GTZ - 2011
Items covered under e-waste

[Covered under MOEF* notification S.O.1035(E) rules –Schedule 1]

- **IT and telecommunication equipment:**
  - Centralized data processing:
  - Mainframes, Minicomputers
  - Personal computing:
  - Personal Computers (CPU with input and output devices)
  - Laptop (CPU with input and output devices)
  - Notebook, Notepad etc.,
  - Printers including cartridges
  - Copying equipment
  - Electrical and electronic typewriters
  - Pocket and desk calculators
  - And other products and equipment for the collection, storage, processing, presentation or communication of information by electronic means
  - User terminals and systems
  - Facsimile
  - Telex
  - Telephones
  - Pay telephones
  - Cordless telephones
  - Cellular telephones
  - Answering systems
  - And other products or equipment of transmitting sound, images or other information by telecommunications

- **Consumer electrical and electronics:**
  - Television sets (including LCD & LED), Refrigerator, Washing Machine, Air-conditioners.
The Notification of e-waste rules has already come into force w.e.f. **May 1st 2012**

Delivery or Handing over of e-waste to any unauthorized agency is a **criminal offence** under **EPA 1986**

Responsibilities of consumer or bulk consumer

(1) Consumers or Bulk consumers of electrical and electronic equipment listed in Schedule I shall ensure that e-waste generated by them is channelised to authorized collection center(s) or registered dismantler(s) or recycler(s) or is returned to the pick-up or take back services provided by the producers; and

(2) bulk consumers shall maintain records of e-waste generated by them in Form 2 and make such records available for scrutiny by the State Pollution Control or the Pollution Control Committee concerned.
Non-Compliance

Penalties

Imprisonment for a term which may extend to five years with fine which may extend to one Lakh rupees.

Who is Liable

1. Incharge
2. Manager
3. Secretary
4. Director

Whoever was directly in charge of, and was responsible to.
Benefits of Recycling

✓ Regaining of valuable space which is currently occupied by storage of e-waste.

✓ Contribution to environment & society by reducing the impact of e-waste

✓ Mixing of e-waste with municipal waste is eliminated

✓ Compliance of law of the Land
Method & Process
Process Flow Chart

1. Selection of Authorised Recycler / Dismantler
   - Should be authorised by State Pollution Control Board
   - Authorisation and Registration copy should be taken
   - Form 2 Register

2. E-Waste Lifting Request
   - Manifest have 6 Copies
   - One of that should be retained by customer
   - And one of that should be sent to Local Pollution Control Board

3. Pickup Schedule

4. Issue of Manifest with seal & sign during lifting of e-waste
   - Form 2 entry

5. Certificate with Passbook Entry
   - Passbook which is provided by Pollution Control Board to the authorised recycler
RAJASTHAN STATE POLLUTION CONTROL BOARD
4, Institutional Area, Jhalana Doongri, Jaipur-302 004
Phone: 0141-5159600, 5159695 Fax: 0141-5159697
www.rpccb.nic.in
Registered

File No: F(HSW)/Alwar(Tijara)/116(1)/2011-2012/6933-6936

Date:- 02/01/2012

M/s Deshwal E Waste Recycler
C/o Sh. Raju Yadav, Sector-81,
Main Market Sector 17 A., Gurgaon
District: Gurgaon (Haryana)

Ref:- Your application dated : 10/10/2011 received on 12/10/2011 and subsequent correspondence.

Sir

3. The authorization is granted for the Collection, Disposal, Reception, Storage, Treatment of hazardous waste of following categories in the premises of the industry only.

<table>
<thead>
<tr>
<th>SNo</th>
<th>Type of Hazardous waste</th>
<th>Category Code</th>
<th>Quantity/Unit</th>
<th>Hazardous Waste Disposal Practice</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Process Residues and wastes*</td>
<td>I 31.1</td>
<td>2.50 MTA</td>
<td>CTDF Udaipur</td>
</tr>
<tr>
<td>2</td>
<td>Discarded containers/hazardous waste/chemicals</td>
<td>I 32.2</td>
<td>4.50 MTA</td>
<td>CTDF Udaipur</td>
</tr>
<tr>
<td>3</td>
<td>E Waste</td>
<td>IV</td>
<td>350.00 MTA</td>
<td>Used as raw material</td>
</tr>
</tbody>
</table>

4. The authorization shall be in force for period from: 02/01/2012 to 31/12/2012.
5. That this authorization shall ceased to be valid & shall be liable to be revoked without any further notice in case of refusal/expiry of consent to operate under the provisions of Water(Prevention and Control of Pollution) Act, 1974 and Air(Prevention and Control of Pollution) Act, 1981 by the State Board.
Registration cum Passbook

Registration Certificate-cum-Pass Book for
Re-refining/Recycling of Hazardous Waste

Name and Address:
M/S. Deshmukh E-Waste Recycler, G-147A, IID,
Kharakwadi, Talegaon Dabhade, Pune

Telephone/Pax No.: 9811682316
E-mail Address: raj@devcomtech.com
Registration No.: F.16(R-46)/RPCA/SWMC/Reg. 1204
Date of issue: 19.1.2012

Type & quantity of the Hazardous Waste (s) permitted for procurement and recycling

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Hazardous Wastes (Non-Ferrous other than Lead) Type</th>
<th>Quantity (Tons Per Annum)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>E-Waste as per the S.No. 18 of Sch. IV of HWM(M, H, H, T, M) Rules, MTA-2008</td>
<td>750 (Seventy-five hundred fifty)</td>
</tr>
</tbody>
</table>

Authorized Signature & Seal

Restricted by copyright: Not for further distribution
## Hazardous Waste Manifest
(e-Waste)

### Information of hazardous waste for disposal

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Occupier's Name &amp; Mailing Address: (Including phone no.)</td>
</tr>
<tr>
<td>2.</td>
<td>Occupier's Registration No.</td>
</tr>
<tr>
<td>4.</td>
<td>Transfer's Name &amp; Address (Including Phone No.)</td>
</tr>
<tr>
<td>5.</td>
<td>Types Of Vehicle: Truck</td>
</tr>
<tr>
<td>6.</td>
<td>Transporter’s Registration No.</td>
</tr>
<tr>
<td>7.</td>
<td>Vehicle Registration No.</td>
</tr>
<tr>
<td>8.</td>
<td>Designated Facility Name &amp; Address:</td>
</tr>
<tr>
<td>10.</td>
<td>Facility’s Phrase</td>
</tr>
<tr>
<td>11.</td>
<td>Waste Description:</td>
</tr>
<tr>
<td>12.</td>
<td>Total Quantity of Waste (Detail as per enclosed sheet) m³ t</td>
</tr>
<tr>
<td>13.</td>
<td>Consistency e-waste</td>
</tr>
<tr>
<td>14.</td>
<td>Transport Description of Waste</td>
</tr>
<tr>
<td>15.</td>
<td>Containers No. Type</td>
</tr>
<tr>
<td>16.</td>
<td>Total Quantity m³</td>
</tr>
<tr>
<td>17.</td>
<td>Unit Wt/Vol.</td>
</tr>
<tr>
<td>18.</td>
<td>Waste Category No. e-waste as per includes Performa</td>
</tr>
<tr>
<td>19.</td>
<td>Special Handling Instructions &amp; Additional Information:</td>
</tr>
<tr>
<td>20.</td>
<td>OCCUPIER’S CERTIFICATE: I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorized, packed, marked, and labeled, and are in all respect in proper condition for transport by road according to applicable national government regulations.</td>
</tr>
<tr>
<td>21.</td>
<td>Transporter Acknowledgement of Receipt of Materials</td>
</tr>
<tr>
<td>22.</td>
<td>Discrepancy Note Space</td>
</tr>
<tr>
<td>23.</td>
<td>Facility Owner or Operator’s Certification of Hazardous Waste</td>
</tr>
</tbody>
</table>

Typed Name & Stamp Signature Month Day Year

Month/Day/Year

Enclosed: Performa Of the e-Waste detail
FORM 2 for Record Keeping

FORM-2

[See Rule 4(8), 5 (5), 6(4), 7(6), 11(5) and 13(8)]

FORM FOR MAINTAINING RECORDS OF e- WASTE HANDLED

Quantity in metric Tons (MT) or Kilograms (Kg) annually.

<table>
<thead>
<tr>
<th></th>
<th>Name &amp; Address: Producer / Collection Centre/ Dismantler/Recycler</th>
<th>Deshwal E-Waste Recycler, G1-147A, IID, Industrial Area, Khushkhera, Rajasthan</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Date of Issue Of Authorization Registration</td>
<td>2nd Jan 2012 / 19th Jan 2012</td>
</tr>
<tr>
<td>3</td>
<td>Validity of Authorization / Registration</td>
<td>31st Dec 2012 / 18th Jan 2013</td>
</tr>
<tr>
<td>4</td>
<td>Types &amp; Quantity of e-waste handled</td>
<td>Category: e-waste</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Item Description: List Attached</td>
</tr>
<tr>
<td>5</td>
<td>Types &amp; Quantity of e-Waste Stored</td>
<td>Category: e-waste</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Item Description:</td>
</tr>
<tr>
<td>6</td>
<td>Types &amp; Quantity of e-Waste Transportation</td>
<td>Category: e-waste</td>
</tr>
<tr>
<td></td>
<td>Name, Address and contact Details of the destination</td>
<td>Deshwal E-Waste Recycler, G1-147A, IID, Industrial Area, Khushkhera, Rajasthan</td>
</tr>
</tbody>
</table>
CERTIFICATE

Certificate No. DEWR/RC/25001

This is to certify that 250kg of e-waste collected from M/S Bry Air Asia, against manifest no 25168 dated 2nd Jan 2011, which shall be recycler and disposed safely as per norms.

(Stamp & Authorised Signature)

For Deshwal E-Waste Recycler

Authorised by:
Rajasthan State Pollution Control Board
FORM 3 for Filling the Return

FORM-3

[See Rule 4(9), 5(4), 6(3), 7(4), 9(7), 10(5), 11(5) and 13(9)]

FORM FOR FILING ANNUAL RETURNS OF SALE, COLLECTION, DISMANTLING & RECYCLING OF e-WASTE

[To be submitted by producer/collection centre/distributor/refurbisher/dismantler/Recycler by 30th June following to the financial year to which that returns relates]

Quantity in Metric Tons (MT) or Kilograms (Kg) annually

<table>
<thead>
<tr>
<th></th>
<th>Name and Address of the Producer/distributor/collection centre/ Refurbisher/ dismantler/ recycler</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Name of the Authorized person and Complete address with telephone and fax Numbers and e-mail address</td>
</tr>
<tr>
<td>✓</td>
<td>Total quantity of e-waste sold/purchased/Sent for processing during year for Each category of e-waste listed in the Scheduled(Attach list)</td>
</tr>
</tbody>
</table>

Details of the above

| 3(A)* | DISTRIBUTERS: Quantity of e-waste Sold/purchased/sent to: |
| 3(B)* | BULK CONSUMERS: Quantity of e-waste Sold/sent to: |
| 3(C)* | REFURBISHERS: Quantity of e-waste Purchased/sent to: |
| 3(D)* | DISMANTLERS: Quantity of e-waste in MT Purchased & processed and sent to: |
| 3(E)* | RECYCLERS: Quantity of e-waste in MT Purchased / processed: |

| 4 | Name and Full Address of the destination With respect to 3(A-E)above |

| 5 | Types and Quantity of materials segregated /Recovered from e-waste of different Categories as applicable to 3 (D) & 3(E) |

Note: The Applicant shall provide details of the funds received (if any) from producers and its utility with an audited certificate

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

*delete whichever is not applicable

Place: ........................................ Signature of the Authorized Person
Join Hands to SAVE EARTH
Handover your e-waste to SAFE HANDS
Like us @ Deshwal
www.e-wasterecycler.com
Contact Details

Raj Kumar
Managing Director
+91-98116-92316
raj@e-wasterecycler.com

Sunil Srivastava
G. M. Sales & Marketing
+91-99100-99793
sunil@e-wasterecycler.com

www.e-wasterecycler.com

Thank You