

## **ACTION PLAN FOR e-WASTE MANAGEMENT**

Ref.

- Government order No. 41-HUD of 2018 dated 05.02.2018.
- e-waste management Rules 2016
- PIL No. 42/2014 titled Rajinder Singh Vs State & Ors.

1.1 In terms of Government order No. 41-HUD of 2018 dated 05.02.2018, the committee constituted for purpose has discussed the issues with respect to e-waste threadbare and Action taken/ to be taken with respect to e-waste management and compliance of parameters prescribed under the e-waste management Rules 2016. Among other terms envisaged under e-waste Management Rules, following terms are reproduced as;

- 'e-waste'** means electrical and electronic equipments, whole or in part discarded as waste by the consumer or bulk consumer as well as rejects from manufacturing, refurbishment and repair processes;
- 'end-of-life'** of the product means the time when the product is intended to be discarded by the user;
- 'Orphaned Products'** means non-branded or assembled electrical and electronic equipment as specified in schedule 1 or those produced by a company, which has closed its operations;

### 1.2 Issues and decision taken by the Committee.

S. No.	Issue	Suggestion / Recommendation / Decision
1.	Disposal of e-waste	The Committee discussed that bulk consumers which mean bulk users of electrical and electronic equipment such as Central Government or State Government Departments, public sector undertakings, banks, educational institutions, multinational organizations, international agencies, partnership and public or private companies should strictly follow the e-waste management rules. The representatives of SPCB suggested that all the bulk consumers should install e-waste bins in their establishments for collection of e-wastes. It was accordingly decided that in the first instance it shall be ensured that e-waste bins are installed in all the big institutions like High Court Complex, Secretariat, Div. Com

		Office, DC Office, Banks, Hospitals, Schools and Colleges, Skill Development Centers, Trade Centers, Computer Service Centers, Diagnostic Labs and Photographers Shops, Railway Stations and Bus Stand, Jammu University Complex near computer centre, college premises within JMC limits and other educational institutions etc within the JMC limits. It was further discussed that in terms of section 5 of e-Waste Management rules, it is provided that producer of electric and electronic equipment listed in schedule 1 shall be responsible for collection and channelization of e-waste generated from the 'end of life' of their products, mechanism used for channelization, for disposal and treatment extended producer responsibility, creating awareness through media publication etc.
2.	Identification of Producers Responsibility Organization (PROs):	The representative of Pollution Control Board conveyed that two numbers of PROs have been identified by the SPCB under rules whose services can be utilized for the purposes: <ul style="list-style-type: none"> <li>i. Karo Sambhav</li> <li>ii. Auctus</li> </ul> It was decided that above named PROs shall also conduct awareness campaigns as well with regard to e-waste management, their collection, dismantling and disposal etc. PCB shall inform about authorized organization with the details of manufactures so that JMC can issue instruction to the dealers accordingly.
3.	Responsibility of Producer/consumer /Bulk Consumers/ Collection Centers / Dealers/e-retailer/ refurbisher/ Dismantlers/recyclers	It was decided that a public notice shall be issued by JMC and published in the leading newspapers through Information department continuously for one month making aware of the responsibilities in terms of e-Waste Management Rules 2016.
4.	Orphan Products	In terms of section 24 of the e-waste Management rules, it is provided that Urban Local Bodies (Municipal Committee or Council or Corporation) shall ensure that e-waste pertaining to orphan products is collected and channelized to authorized dismantler or recycler. It was discussed that PCB shall inform about the authorized dismantler / recycler and thereafter a public notice will be issued accordingly by the JMC.

5.	Notice to scrap dealers	The representative of Pollution Control Board suggested that since there is no recycler in Jammu and there is only one dismantler. It was decided that an order will be issued by the JMC prohibiting the scrap dealers not to collect e-waste equipments, violation thereof shall attract penalty and prosecution against them under law.
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**1.3 Responsibility of stakeholders in terms of e-waste (Management) Rules 2016.**

section	stakeholder	Responsibility (in brief)
4	Manufacturer	<ul style="list-style-type: none"> <li>➤ Collect e-waste generated during the manufacture of any electrical and electronic equipment and channelize it for recycling or disposal.</li> </ul>
5	Producer	<ul style="list-style-type: none"> <li>➤ Function- Selling</li> <li>➤ Implementing the Extended Producers Responsibility (EPR) with the following frameworks, namely:-               <ol style="list-style-type: none"> <li>a. Collection and channelization of e-waste generated from the 'end-of life' products with same electrical and electronic equipment code and historical waste available on the date from which these rules come into force as per Schedule I in line with the targets prescribed in Schedule III in Extended Producer Responsibility- Authorisation;</li> <li>b. The mechanism used for channelisation of e-waste from 'end -of-life' products including those from their service centres to authorized dismantler or recycler shall be in accordance with the Extended Producer Responsibility- Authorisation. In cases of Fluorescent and other mercury containing lamps, where recycler are not available, channelisation may be from collection centre to Treatment Storage and Disposal facility.</li> </ol> </li> </ul>

6	Collection centres	<ul style="list-style-type: none"> <li>➤ Collect e-waste on behalf of producer or dismantler or recycler or refurbisher including those arising from orphaned products;</li> <li>➤ The collection centres established by producer can also collect E-waste on behalf of dismantler, refurbisher and recycler including those arising from orphaned products.</li> <li>➤ Ensure that the facilities are in accordance with the standards or guidelines issued by Centre Pollution Control Board from time to time;</li> <li>➤ Ensure that the E-waste collected by them is stored in a secured manner till it is sent to authorized dismantler or recycler as the case may be;</li> <li>➤ Ensure that no damage is caused to the environment during storage and transportation of e-waste.</li> </ul>
7	Dealers	<ul style="list-style-type: none"> <li>➤ Function- Buying &amp; receiving EEE, their components or consumables.</li> <li>➤ The dealer shall Collect the e-waste by providing the consumer a box, bin or a demarcated area to deposit e-waste, or through take back system and send the e-waste so collected to collection centre or dismantler or recycler as designated by producer.</li> <li>➤ Every dealer shall ensure that the e-waste thus generated is safely transported to authorized dismantlers or recyclers,</li> <li>➤ Ensure that no damage is caused to the environment during storage and transportation of e-waste.</li> </ul>
8	Refurbisher.	<ul style="list-style-type: none"> <li>➤ Function-Repairing of used electrical and electronic equipment.</li> <li>➤ Should not be any damage to health and environment.</li> <li>➤ Collect e-waste generated during refurbishing.</li> <li>➤ Channelise the waste to authorized dismantler or recycler through its collection centre.</li> </ul>

9	Consumer or Bulk Consumer	<ul style="list-style-type: none"> <li>➤ Ensure that e-waste generated by them is channelized through:               <ul style="list-style-type: none"> <li>-collection centre</li> <li>- dealer of authorized producer</li> <li>-dismantler</li> <li>-recycler</li> </ul> </li> <li>-through the designated take back service provider of the producer to authorized dismantler or recycler.</li> </ul>
10	Dismantler	<ul style="list-style-type: none"> <li>➤ Dismantling of e-waste into their components.</li> <li>➤ Ensure that the facility and dismantling processes are in accordance with the standards or guidelines prescribed by Central Pollution Control Board from time to time.</li> <li>➤ Ensure that dismantled e-waste are segregated and sent to the authorized recycling facilities for recovery of materials.</li> </ul>
11	Recycler	<ul style="list-style-type: none"> <li>➤ Recycling and reprocessing of e-waste.</li> <li>➤ Shall ensure that the facility and recycling process are in accordance with the standards or guidelines prescribed by the Central Pollution Control Board from time to time.</li> <li>➤ Ensure that no damage is caused to the health &amp; environment during storage, transportation, dismantling/ recycling of e-waste.</li> <li>➤ Ensure that the fractions or material not recycled in its facility is sent to the respective authorized recyclers,</li> <li>➤ Ensure that residue generated during recycling process is disposed of in an authorized treatment storage disposal facility.</li> </ul>

1.4 Duties of Miscellaneous stakeholders in terms of Schedule IV section 17 of e-waste (Management) Rules 2016.

Authority	Duties
Central Pollution Control Board.	<ul style="list-style-type: none"> <li>i. Grant and Renewal of EPR (Extended Producer Responsibility)-Authorisation and monitoring of its compliance.</li> <li>ii. Maintain information on EPR (Extended Producer Responsibility)-Authorisation on its web site.</li> <li>iii. Set and revise targets for collection of e-waste.</li> <li>iv. Coordination with State pollution Control Boards.</li> <li>v. Preparation of Guidelines for Environmentally sound Management of E-waste.</li> <li>vi. Conduct random check for ascertaining compliance of the e-waste rules and identification of such importers or producers who have not applied for EPR(Extended Producer Responsibility) authorization or are not complying with RoHS provisions. Whenever necessary centre pollution Control Board will seek the help of customs department or any other agency of the Government of India.</li> <li>vii. Conduct random inspection of dismantler or recycler or refurbisher.</li> <li>viii. Documentation, compilation of data on e-waste and uploading and uploading on websites of Central Pollution Control Board.</li> <li>ix. Actions against violation of these rules.</li> <li>x. Conducting training programmes.</li> <li>xi. Submit Annual Report to the Ministry.</li> <li>xii. Enforcement of provisions regarding Reduction in use hazardous substances</li> <li>xiii. Interaction with IT industry for reducing hazardous substances.</li> <li>xiv. Set and revise targets for compliance to the Reduction in use hazardous substances in manufacture of electrical and electronic equipments from time to time.</li> <li>xv. Any Other function delegated by the Ministry under these rules from time to time.</li> </ul>

Authority	Duties
State Pollution Control Boards or Committees of Union Territories.	<ul style="list-style-type: none"> <li>i. Inventorisation of e-waste.</li> <li>ii. Grant and renewal of authorization to manufacturers, dismantlers, recyclers and refurbishers.</li> <li>iii. Monitoring and compliance of Extended Producer Responsibility - Authorisation as directed by Central Pollution Control Board and that of dismantlers, recyclers and refurbishers authorization.</li> <li>iv. Conduct random inspection of dismantler or recycler or refurbisher.</li> <li>v. Maintain online information regarding authorization granted to manufacturers, dismantlers, recyclers and refurbishers.</li> <li>vi. Implementation of programme to encourage environmentally sound recycling.</li> <li>vii. Action against violations of these rules.</li> <li>viii. Any other function delegated by the Ministry under these rules.</li> </ul>
Urban Local Body/JMC.	<ul style="list-style-type: none"> <li>i. To ensure that e-waste if found to be mixed with Municipal Solid waste is properly segregated, collected and is channelised to authorised dismantler or recycler.</li> <li>ii. To ensure that e-waste pertaining to Orphan products is collected and authorized to authorized dismantler or recycler.</li> </ul>
Port Authority	<ul style="list-style-type: none"> <li>i. Verify the Extended Producer Responsibility -Authorisation.</li> <li>ii. Inform central Pollution Control Board of any illegal traffic for necessary action.</li> <li>iii. Take action against importer for violations under the Indian Ports Act, 1908/ Customs Act, 1962.</li> </ul>

1.5 In terms of section 12 of the e-waste Management Rules 2016, responsibility of State Government for environmentally sound management of e-waste is as under:-

Authority	Action by whom
State Government.	<ul style="list-style-type: none"> <li>(1) Department of Industry in state or any other government agency authorized in this regard by the State Government: to ensure earmarking or allocation of industrial space or shed for e-waste dismantling and recycling in the existing and upcoming industrial park, estate and industrial clusters;</li> <li>(2) Department of Labour in the State or any other government agency authorized in this regard by the State Government shall:</li> </ul>

	<p>a. Ensure recognition and registration of workers involved in dismantling and recycling;</p> <p>b. Assist formation of groups of such workers to facilitate setting in dismantling facilities;</p> <p>c. Undertake industrial skill development activities for the workers involved in dismantling and recycling;</p> <p>d. Undertake annual monitoring. And to ensure safety &amp; health of workers involved in dismantling and recycling;</p>
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### Conclusion

#### 1.6 Responsibilities of Major Stakeholders for collection, Transportation and Disposal of E-waste.

Responsibilities		Producer	Consumer	Bulk Consumer	Refurbishers	Dismantler	Recycler/Re-processor
Collection	Manufacturing	✓					
	End of Life	✓					
Take-back	Individual	✓					
	Collectively	✓					
Transportation	Producer		✓	✓			
	Collection Centre	✓	✓	✓			
	Dismantlers/Recyclers	✓	✓	✓	✓	✓	
	TSDF* Facility.	✓					
Financing	✓					✓	✓
Registration	✓						
Filing of annual Report	✓			✓	✓	✓	✓
Return of Annual Inventory	✓			✓	✓	✓	✓



## 1.7 Compliance/Monitoring/Reporting

Stakeholder	EPR Authorization	Record maintain	Annual Return	Renewal
	Form-1	Form-2	Form-3	Form-4
Manufacturer	✓ 1 (a) SPCB	✓ (SPCB)	✓ (SPCB)	
Producer	✓ (CPCB)	✓ (CPCB)	✓ (CPCB)	
Collection Centre		✓ (CPCB/SPCB)		
Refurbisher	✓ 1 (a) SPCB	✓ (SPCB)	✓ (SPCB)	
Bulk Consumer		✓ (SPCB)	✓ (SPCB)	
Dismantler		✓ (SPCB)	✓ (SPCB)	
Recycler		✓ (CPCB/SPCB)	✓ (SPCB)	✓ (SPCB)

Sd/-  
Ms Kanta Devi KAS  
Addl. Deputy Comm.  
Jammu

Sd/-  
Ms Anuradha  
State Pollution Control Board  
Jammu

*sd/-*  
Ramesh Kumar IAS  
Commissioner  
Municipal Corporation  
Jammu.