

MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE

NOTIFICATION

New Delhi, the 24 July, 2023

G.S.R.534(E).— In exercise of the powers conferred by sections 6, 8 and 25 of the Environment (Protection) Act, 1986 (29 of 1986) read with sub-rule (4) of rule 5 of the Environment (Protection) Rules, 1986, the Central Government hereby makes the following rules further to amend the E-Waste (Management) Rules, 2022, namely:

1. (1) These rules may be called E-Waste (Management) Second Amendment Rules, 2023.
(2) They shall come into force on the date of their publication in the Official Gazette.

2. In the E-Waste (Management) Rules, 2022 (hereinafter referred to as the said rules), in rule 5, after clause (3), the following clause shall be inserted, namely: -

“ (4) ensure secure, accountable and sustainable management of refrigerant generated during the manufacture of refrigeration and air-conditioning equipment by adopting approved destruction technologies as per the guidelines issued by the Central Pollution Control Board.”.
3. In rule 7 of the said rules, after clause (4), the following clause shall be inserted, namely: -

“ (5) ensure secure, accountable and sustainable management of refrigerant generated from the end-of life refrigeration and air-conditioning equipment by adopting approved destruction technologies as per the guidelines issued by the Central Pollution Control Board.”.
4. In rule 9 of the said rules, after clause (10), the following clause shall be inserted, namely: -

“ (11) ensure secure, accountable and sustainable management of refrigerant generated from the end-of life refrigeration and air-conditioning equipment by adopting approved destruction technologies as per the guidelines issued by the Central Pollution Control Board.”.
5. In rule 14 of the said rules, in sub-rule (1), in clause (ii), after sub-clause (b), the following sub-clause shall be inserted, namely: -

“ (c) In case of multiple end products of recycling, the conversion factor for generation of extended producer responsibility certificate shall be determined as per the guidelines issued by the Central Pollution Control Board with the approval of the Steering Committee.”.
6. In rule 16 of the said rules, -
 - (a) for sub-rule (2), the following sub-rules shall be substituted, namely: -

“(2) The provisions of sub-rule (1) shall not apply to components or consumables or parts or spares required for electrical and electronic equipment specified in Schedule – II B placed in the market on or before the 1st May, 2014 provided reduction of hazardous substances compliant parts and spares are not available.

(2A) The provisions of sub-rule (1) shall not apply to electrical and electronic equipment specified in Schedule – II C placed in the market on or before the 1st April, 2025.

(2B) The provisions of sub-rule (1) shall not apply to components or consumables or parts or spares required for electrical and electronic equipment referred in sub-rule (2A) till the 1st April, 2028, provided reduction of hazardous substances compliant parts and spares are not available.”.
 - (b) in sub-rule (3) and sub-rule (13), after the words “Schedule II”, the words “and Schedule II A” shall be inserted.
7. In Schedule-II to the said rules, in the Table, S.No. 37 and the entries relating thereto shall be omitted.
8. After Schedule - II to the said rules, the following Schedules shall be inserted, namely: -

“Schedule-II A

[See rules 16(3), 16(13)]

Applications exempted from the provisions of sub-rule 1 of rule 16 specific to medical devices and monitoring and control instruments including laboratory equipment as listed in Schedule - I

Sl. No.	Categories of electrical and electronic equipment
	Equipment utilising or detecting ionising radiation:
1.	Lead, cadmium and mercury in detectors for ionising radiation.
2.	Lead bearings in X-ray tubes.

3.	Lead in electromagnetic radiation amplification devices: micro-channel plate and capillary plate.
4.	Lead in glass frit of X-ray tubes and image intensifiers and lead in glass frit binder for assembly of gas lasers and for vacuum tubes that convert electromagnetic radiation into electrons.
5.	Lead in shielding for ionising radiation.
6.	Lead in X-ray test objects.
7.	Lead stearate X-ray diffraction crystals.
8.	Radioactive cadmium isotope source for portable X-ray fluorescence spectrometers.
	Sensors, detectors and electrodes
9.	Lead and cadmium in ion selective electrodes including glass of pH electrodes.
10.	Lead anodes in electrochemical oxygen sensors.
11.	Lead, cadmium and mercury in infra-red light detectors.
12.	Mercury in reference electrodes: low chloride mercury chloride, mercury sulphate and mercury oxide.
	Others
13.	Cadmium in helium-cadmium lasers.
14.	Lead and cadmium in atomic absorption spectroscopy lamps.
15.	Lead in alloys as a superconductor and thermal conductor in MRI.
16.	Lead and cadmium in metallic bonds to superconducting materials in MRI and SQUID detectors.
17.	Lead in counterweights.
18.	Lead in single crystal piezoelectric materials for ultrasonic transducers.
19.	Lead in solders for bonding to ultrasonic transducers.
20.	Mercury in very high accuracy capacitance and loss measurement bridges and in high frequency RF switches and relays in monitoring and control instruments not exceeding 20 mg of mercury per switch or relay.
21.	Lead in solders in portable emergency defibrillators.
22.	Lead in solders of high performance infrared imaging modules to detect in the range 8-14 µm.
23.	Lead in Liquid crystal on silicon (LCoS) displays.
24.	Cadmium in X-ray measurement filters.

SCHEDULE – II B*[See rule 16 (2)]*

Categories of electrical and electronic equipment including their components, consumables, parts and spares covered under the rules

Sl. No.	Categories of electrical and electronic equipment	Electrical and electronic equipment code
	Information technology and telecommunication equipment:	
1.	Centralized data processing: Mainframes, Minicomputers	ITEW1

2.	Personal Computing: Personal Computers (Central Processing unit with input and output devices)	ITEW2
3.	Personal Computing: Laptop Computers (Central Processing unit with input and output devices)	ITEW3
4.	Personal Computing: Notebook Computers	ITEW4
5.	Personal Computing: Notepad Computers	ITEW5
6.	Printers including cartridges	ITEW6
7.	Copying Equipment	ITEW7
8.	Electrical and Electronic Typewriters	ITEW8
9.	User terminal and Systems	ITEW9
10.	Facsimile	ITEW10
11.	Telex	ITEW11
12.	Telephones	ITEW12
13.	Pay telephones	ITEW13
14.	Cordless telephones	ITEW14
15.	Cellular telephones	ITEW15
16.	Answering System	ITEW16
	Consumer Electrical and Electronics and Photovoltaic Panels:	
17.	Television sets (including sets based on Liquid Crystal Display and light Emitting Diode Technology)	CEEW1
18.	Refrigerator	CEEW2
19.	Washing Machine	CEEW3
20.	Air- Conditioners excluding centralised air conditioning plants	CEEW4
21.	Fluorescent and other Mercury containing lamps	CEEW5

SCHEDULE – II C*[See rules 16 (2A) and 16 (2B)]*

Categories of electrical and electronic equipment including their components, consumables, parts and spares covered under the rules

	Categories of electrical and electronic equipment	Electrical and electronic equipment code
	Information technology and telecommunication equipment:	
1.	Products or equipment of transmitting sound, images or other information by telecommunications	ITEW17
2.	BTS (all components excluding structure of tower)	ITEW18
3.	Tablets, I-PAD	ITEW19
4.	Phablets	ITEW20
5.	Scanners	ITEW21

6.	Routers	ITEW22
7.	GPS	ITEW23
8.	UPS	ITEW24
9.	Inverter	ITEW25
10.	Modems	ITEW26
11.	Electronic data storage devices	ITEW27
	Consumer Electrical and Electronics and Photovoltaic Panels:	
12.	Screen, Electronic Photo frames, Electronic Display Panel, Monitors	CEEW6
13.	Radio sets	CEEW7
14.	Set top Boxes	CEEW8
15.	Video Cameras	CEEW9
16.	Video Recorders	CEEW10
17.	Hi-Fi Recorders	CEEW11
18.	Audio Amplifiers	CEEW12
19.	Other products or equipment for the purpose of recording or reproducing sound or images including signals and other technologies for the distribution of sound and image by telecommunications	CEEW13
20.	Solar panels/cells, solar Photovoltaic panels/cells/modules.	CEEW14
21.	Luminaires for fluorescent lamps with the exception of luminaires in households	CEEW15
22.	High intensity discharge lamps, including pressure sodium lamps and metal halide lamps	CEEW16
23.	Low pressure sodium lamps	CEEW17
24.	Other lighting or equipment for the purpose of spreading or controlling light excluding filament bulbs	CEEW18
25.	Digital camera	CEEW19
	Large and Small Electrical and Electronic Equipment	
26.	Large cooling appliances	LSEEW1
27.	Freezers	LSEEW2
28.	Other large appliances used for refrigeration, conservation and storage of food	LSEEW3
29.	Clothes dryers	LSEEW4
30.	Dish Washing Machines	LSEEW5
31.	Electric cookers	LSEEW6
32.	Electric stoves	LSEEW7
33.	Electric hot plates	LSEEW8
34.	Microwaves, Microwave Oven	LSEEW9
35.	Other large appliances used for cooking and other processing of food	LSEEW10
36.	Electric heating appliances	LSEEW11
37.	Electric radiators	LSEEW12
38.	Other large appliances for heating rooms, beds, seating furniture	LSEEW13

39.	Electric fans	LSEEW14
40.	Other fanning, exhaust ventilation and conditioning equipment	LSEEW15
41.	Vacuum cleaners	LSEEW16
42.	Carpet sweepers	LSEEW17
43.	Other appliances for cleaning	LSEEW18
44.	Appliances used for sewing, knitting, weaving and other processing for textiles	LSEEW19
45.	Iron and other appliances for ironing, mangling and other care of clothing	LSEEW20
46.	Grinders, coffee machines and equipment for opening or sealing containers or packages	LSEEW21
47.	Smoke detector	LSEEW22
48.	Heating Regulators	LSEEW23
49.	Thermostats	LSEEW24
50.	Automatic dispensers for hot drinks	LSEEW25
51.	Automatic dispensers for hot or cold bottles or cans	LSEEW26
52.	Automatic dispensers for solid products	LSEEW27
53.	Automatic dispensers for money	LSEEW28
54.	All appliances which deliver automatically all kinds of products	LSEEW29
55.	Indoor air purifier	LSEEW30
56.	Hair dryer	LSEEW31
57.	Electric shaver	LSEEW32
58.	Electric kettle	LSEEW33
59.	Electronic display panels/board/visual display unit	LSEEW34
	Electrical and Electronic Tools (With the exception of large- Scale Stationary Industrial Tools)	
60.	Drills	EETW1
61.	Saws	EETW2
62.	Sewing Machines	EETW3
63.	Equipment for turning, milling, sanding, grinding, sawing, cutting, shearing, drilling, making holes, punching, folding, bending or similar processing of wood, metal and other materials	EETW4
64.	Tools for riveting, nailing or screwing or removing rivets, nails, screws or similar uses	EETW5
65.	Tools for welding, soldering, or similar use	EETW6
66.	Equipment for spraying, spreading, dispersing or other treatment of liquid or gaseous substance by other means	EETW7
67.	Tools for mowing or other gardening activities	EETW8
	Toys, Leisure and Sports Equipment	
68.	Electrical trains or car racing sets	TLSEW1
69.	Hand-held video games consoles	TLSEW2
70.	Video games	TLSEW3

71.	Computers for biking, diving, running, rowing, etc.	TLSEW4
72.	Sports equipment with electric or electronic components	TLSEW5
73.	Coin slot machines	TLSEW6
	Medical Devices (With the Exception of All Implanted and Infected Products)	
74.	Radiotherapy equipment and accessories	MDW1
75.	Cardiology equipment and accessories	MDW2
76.	Dialysis equipment and accessories	MDW3
77.	Pulmonary ventilators and accessories	MDW4
78.	Nuclear Medicine Equipment and accessories	MDW5
79.	Laboratory equipment for in vitro diagnosis and accessories	MDW6
80.	Analysers and accessories	MDW7
81.	Magnetic Resonance Imaging (MRI), Positron Emission Tomography (PET) Scanner, Computed Tomography (CT) Scanner, & Ultrasound Equipment along with accessories	MDW8
82.	Fertilization tests equipment and accessories	MDW9
83.	Other electric appliances/equipment/kits used for preventing, screening, detecting, monitoring, evaluating, reviewing, examining, investigating, probing, treating illness sickness, disease, disorder, affliction, infection, injury, trauma, abuse or disability including the Mobiles, Tablets or any other device with the features having the potential of sex selection and their accessories	MDW10
	Laboratory Instruments	
84.	Gas analyser	LIW1
85.	Equipment having electrical and electronic components	LIW2''.

[F. No. 12/136/2021-HSMD]

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Note: The principal rules were published in the Gazette of India, Extraordinary, Part II, Section 3, Sub-section (i), *vide* number G.S.R. 801(E), dated the 2nd November, 2022, subsequently amended *vide* number G.S.R. 61 (E), dated the 30th January, 2023.