



ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿ  
**Karnataka State Pollution Control Board**

"ಪರಿಸರ ಭವನ", 1 ರಿಂದ 5ನೇ ಮಹಡಿಗಳು, ನಂ. 49, ಚರ್ಚ್ ಸ್ಟ್ರೀಟ್, ಬೆಂಗಳೂರು - 560 001, ಕರ್ನಾಟಕ ರಾಜ್ಯ, ಭಾರತ  
"Parisara Bhavan", 1st to 5th Floor, # 49, Church Street, Bangalore - 560 001, Karnataka State, India

OB-48

FORM

[See Rules 13(3)(4)(ii),(iii),(iv)]

07 AUG 2019

**FORMAT FOR GRANTING AUTHORISATION FOR DISMANTLING, RECYCLING & REFURBISHING OF E-WASTE**

Ref: Your application Reg No.165677/2019 for Grant of Authorisation for Dismantling, Recycling & Refurbishing of E-waste.

1. (a) Authorisation no.PCB/WMC/1915/E-waste/2018-19 / and (b) Date of issue:

2. The Director of M/S. CEREBRA INTEGRATED TECHNOLOGIES LIMITED, is hereby granted authorisation for Dismantling, Recycling & Refurbishing of e-waste in the premises located at Plot No. 41 to 46, KIADB Industrial Area, Sy. No. Parts of 22 and 23, Narsapura Hobli, Kolar Taluk & District for the following:

- Quantity of E-waste Dismantling, Recycling & Refurbishing: **20,000 MT/A only.**
- Nature of e-waste for Dismantling, recycling & Refurbishing: Electrical and Electronic Waste.

3. This authorisation shall be valid for a period **up to 30.06.2021.**

4. The authorisation is subject to the conditions stated below and such conditions as may be Specified in the Rules for the time being in force under the Environment (Protection) Act, 1986.

Signature ----- *[Signature]*

Designation: **Senior Environmental Officer**

Date: -----

**Terms and conditions of authorisation**

- The applicant shall comply with the provisions of the Environment (Protection) Act, 1986, and the Rules made there under.
- The authorisation or its renewal shall be produced for inspection at the request of an officer authorized by the concerned State Pollution Control Board.
- Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorisation.
- It is the duty of the authorised person to take prior permission of the concerned State Pollution

Control Board to close down the operations.

5. An application for the renewal of an authorisation shall be made in Form 4 before 120 days of its expiry.

### **SPECIFIC CONDITIONS**

#### **I. The applicant shall comply with Rule 10 of E-waste (Management) Rules, 2016 as under;**

1. 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;
2. Obtain authorisation from the concerned State Pollution Control Board in accordance with the procedure under sub-rule (3) of rule 13;
3. Ensure that no damage is caused to the environment during storage and transportation of e waste;
4. Ensure that the dismantling processes do not have any adverse effect on the health and the environment;
5. Ensure that non-recyclable or non-recoverable components are sent to authorised treatment storage and disposal facilities;
6. File a return in Form-3, to the concerned State Pollution Control Board as the case may be, on or before 30<sup>th</sup> day of June following the financial year to which that return relates;
7. Not process any e-waste for recovery or refining of materials, unless he is authorised with concerned State Pollution Control Board as a recycler for refining and recovery of materials;
8. Operation without Authorisation by any dismantler, as defined in this rule, shall be considered as causing damage to the environment.

#### **II. The applicant shall comply with the Guidelines for implementation of E-waste (Management) Rules, 2016 issued by CPCB for dismantler as follows.**

1. The dismantlers may set up their collection centre, details of which shall be entered in their authorisation. These collection centres shall not require separate authorisation.
2. The dismantler shall be connected to either Producers or Producer Responsibility Organisations (PRO) or e-waste exchange or take back system or authorised recycler.
3. The dismantler shall have valid consent from KSPCB under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981.
4. The dismantler shall have Weigh Bridge and other appropriate weighing equipment for weighing each delivery received by it and maintain a record in this regard.
5. The unloading of e-waste/end of life products shall be carried out in such a way that there shall not be any damage to health, environment and to the product itself. Unloading of Cathode Ray Tubes (CRT), LCD / LED / Plasma TV, refrigerator, air conditioners and fluorescent and other mercury containing lamps should be carried out under supervision in such a way to avoid breakage.
6. The dismantler shall have facilities for destroying or permanently deleting data stored in the memory of end of life products (Hard Disk, Telephones, and Mobile phones) either through hammering or through data eraser.
7. The dismantling operation is essentially manual operation for segregating various components/ parts and sending them to respective users/ recyclers. Directly usable components can be sent only to an authorised refurbisher. The other parts can be sent to

recyclers having valid CFO / authorised E- waste recyclers depending upon the nature of the part.

8. The dismantling operation shall comprise of physical separation and segregation after opening the electrical and electronic equipment into the component by manual operations.
9. Manual dismantling operations shall be carried out over the dismantling table with space de-dusting system so as to maintain desirable work zone air quality as per the factories Act as amended from time to time.
10. The de dusting system should consist of suction hoods over dismantling table connected with a cyclone, bag filter and venting through a chimney of three-meter height above roof level.
11. The workers involved in dismantling operation shall have appropriate equipment such as screwdrivers, wrenches, pliers, wire cutters, tongs and hammers etc. for dismantling the E-waste.
12. The dismantlers shall not carry out shredding / crushing / fine grinding/wet grinding/ enrichment operations and gravity/ magnetic/density/eddy current separation of printing circuit board or the components attached with the circuit board.
13. The dismantlers shall not be permitted for dismantling of fluorescent and other mercury containing lamps, CRT / LCD / Plasma TV.
14. The dismantlers shall not be permitted for chemical leaching or heating process or melting the material.
15. The dismantled circuit boards, capacitors, batteries, capacitors containing PCBs (Polychlorinated biphenyls) or PCTs (Polychlorinated terphenyls) etc. shall not be stored in open.
16. The premise for dismantling operation shall be with water proof roofing and impermeable surfaces.

### **III. The applicant shall comply with Rule 11 of E-waste (Management) Rules, 2016 as under;**

- (1) Shall ensure that the facility and recycling processes are in accordance with the standards or Guidelines prescribed by the Central Pollution Control Board from time to time;
- (2) Obtain authorisation from concerned State Pollution Control Board in accordance with the Procedure under the sub-rule (3) of rule 13;
- (3) Ensure that no damage is caused to the environment during storage and transportation of E-waste;
- (4) Ensure that the recycling processes do not have any adverse effect on the health and the Environment;
- (5) Make available all records to the Central Pollution Control Board or the concerned State Pollution Control Board for inspection;
- (6) Ensure that residue generated during recycling process is disposed of in an authorised treatment storage disposal facility;
- (7) File annual returns in Form-3, to the concerned State Pollution Control Board as the case may be, on or before 30th day of June following the financial year to which that returns relates;
- (8) May accept waste electrical and electronic equipment or components not listed in Schedule-I for recycling provided that they do not contain any radioactive material and same shall be indicated while taking the authorisation from concerned State Pollution Control Board.

### **IV. The applicant shall comply with the Guidelines for implementation of E-waste (Management) Rules, 2016 issued by CPCB for recyclers as below;**



1. Recyclers may set up their collection centres, details of which shall be entered in their authorisation. These collection centres shall not require separate authorisation. Recyclers can obtain raw material such as waste electrical and electronic assemblies or components or used components from producers/PRO/e-waste exchange/dismantlers and consumers/bulk consumers.
2. The Product of recyclers has to be sent or sold to users or other recyclers having valid CTO from SPCBs/PCCs. Any hazardous waste generated during the recycling processing will be sent to TSDF.
3. A recycler should be part of producer's channelization system.
4. A recycler should have Weigh Bridge and other appropriate weighing equipment for weighing each delivery received by it and maintains a record in this regard.
5. The unloading of end of life product should be carried out in such a way that there should not be any damage to health, environment and to the product itself. A recycler should have facilities for destroying or permanently deleting data stored in the memory of end of life products (Hard Disk, Telephones, and Mobile phones) either through shredding or grinding or through data eraser.

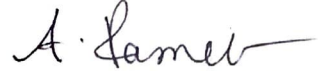
**V. The applicant shall comply with Rule 12 of E-waste (Management) Rules, 2016 as under;**

1. Collect e-waste generated during the process of refurbishing and channelise the waste to authorised dismantler or recycler through its collection centre.
2. Make an application in Form 1(a) in accordance with the procedure laid down in sub-rule (4) of rule 13 to the concerned State Pollution Control Board for grant of one time authorisation.
3. The concerned State Pollution Control Board shall authorise the Refurbisher on one time basis as per Form 1 (bb) and authorisation would be deemed as considered if not objected to within a period of thirty days.
4. The authorised Refurbisher shall be required to submit details of e-waste generated to the concerned State Pollution Control Board on yearly basis.
5. Ensure that no damage is caused to the environment during storage and transportation of e-waste.
6. Ensure that the refurbishing process do not have any adverse effect on the health and the environment.
7. ensure that the e-waste thus generated is safely transported to authorised collection centres or dismantlers or recyclers;

**VI. The applicant shall comply with the Guidelines for implementation of E-waste (Management) Rules, 2016 issued by CPCB for Refurbisher as below:**

1. Refurbishment means repairing of used electrical and electronic equipment and it should be carried out in such a way that there should not be any damage to health and environment.
2. A refurbisher has to obtain consent to establish under the Water (Prevention and Control of Pollution) Act, 1974, (25 of 1974) and the Air (Prevention and Control of Pollution) Act, 1981(21 of 1981) from the concerned State Pollution Control Board/Pollution Control Committee.
3. A refurbisher has to obtain certificate of registration and proof of installed capacity from District Industries Centre or any other government agency authorised in this regard.
4. A refurbisher has to obtain one-time authorization from concerned State Pollution Control Board/Pollution Control Committee.
5. A refurbisher should have system to manage leakage of coolant/refrigerant gases and compressor oils from used electrical and electronic equipment during refurbishing operations.

6. The refurbishing area should be ventilated and have proper dust control equipment.
7. De-dusting system over refurbishment tables should be provided.
8. Any e-waste generated during refurbishment should be collected separately and sent to collection centre /authorised recycler. In case of refurbisher not having own collection centre, the e-waste so generated may be channelized to an authorised recycler.
9. If refurbisher opts to sell refurbished EEE then he is required to seek EPR authorisation from CPCB. In no circumstances, the refurbisher shall sell any refurbished EEE without having EPR authorization.



**Senior Environmental Officer**  
**Karnataka State Pollution Control Board**  
**Bengaluru** ✍

To,

M/s. Cerebra Integrated Technologies Limited  
Plot No. 41 to 46, KIADB Industrial Area,  
Sy. No. Parts of 22 and 23, Narsapura Hobli,  
Kolar Taluk & Distict -563101



PRINCIPAL  
Cerebra Institute of Engg. & Technology,  
Hqar: HOODEBURI - 574 225, D.K.

**Annexure**

**List of collection centres**

Sl. No	STATE	Location	Address	Email ID	Phone No
1	Karnataka	Bangalore	# 83 Industrial Suburb, Ashokpuram School Road Yeshwantpur Bangalore 560022	<a href="mailto:raghavendra.h@cerebragreen.com">raghavendra.h@cerebragreen.com</a>	(0) 8618999385
2	Tamilnadu	Chennai	Old No. 96/1, New No. 1 A, Nagalkeni Chrompet, Anna Salai, Chennai 600044	<a href="mailto:anand.ck@cerebragreen.com">anand.ck@cerebragreen.com</a>	(0) 9110638735
3	Telengana	Hyderabad	No.32 C-2, Industrial Estate, Behind D Mart, Sanathnagar Hyderabad 500018	<a href="mailto:hemachandra.r@cerebragreen.com">hemachandra.r@cerebragreen.com</a>	(0) 6363803276

  
**Senior Environmental Officer**  
**Waste Management Cell** ✈

  
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