



HARYANA STATE POLLUTION CONTROL BOARD

C-11 Sector-6, Panchkula

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Order

The Ministry of Environment and Forests, Govt. of India vide notification no, GSR no. 338 (E) dated 23.03.2016 has issued the E-Waste (Management) Rules, 2016 applicable w.e.f. 01.10.2016 and authorized the State Pollution Control Board for grant of authorization to Manufacturer, Recycler, Dismantler and Refurbisher of E-Waste specified in schedule – I of the E-Waste (Management) Rules, 2016.

The Industry Department Govt. of Haryana has issue Notification vide no 49/53/2005 - 41B1 dt:- 03.02.2016 for issuance of various clearances through HEPC/single window. The applicant desirous for Recycling, Dismantling and Refurbishing of E-Waste shall submit the application on HEPC portal regarding grant / renewal of authorization for Recycling / Dismantling / Refurbishing of E-Waste on Form 1(a) / Form 4. The Recycler / Dismantler / Refurbisher will apply for the authorization / renewal of authorization along with copy of the consent to establish, copy of certificate of registration from DIC, proof of installed capacity issued by the DIC or any other authorized Govt. agency, along with other documents as mentioned in the check list given at **Annexure-A**. The manufacture generating E-Waste shall submit an application of authorization on form 1(a), with the details of appropriate facilities, technical capabilities and equipments to handle the E-Waste on single window / HEPC portal only. No application under E-Waste (Management) Rules, 2016 will be accepted in HSPCB on hard copy.

After the receipt of complete case on HEPC portal from Recycler/ Dismantler/Refurbisher of E-Waste, inspection shall be carried out by a team of officers of the Board consisting of Regional Officer and Concerned field officer alongwith one AEE/Scientist -B of adjoining Region to verify whether the applicant has installed the e-waste processing facility with Environmentally sound technologies and possessed adequate technical capabilities, requisite facilities and equipment for dismantling / recycling / refurbishing of E-Waste, and required pollution control measures as per provision of the Rules and Guidelines issued there under by CPCB. The Regional Officer will prepare the detailed report on the prescribed format given at **Annexure-B**.

The power to decide cases of authorization for grant / refusal shall be as per following criteria:-

1. Regional Officer shall decide the authorization under E-waste (Management) Rules, 2016 for projects having investment upto 10 crores or CLU cases upto 01 Acre.
2. Regional Officer shall obtain approval of Nodal Officer, HEPC, Panchkula for projects with investment above 10 crores or CLU cases more than 01 Acre.

The authorization shall be issued on the pass book as prescribed by HSPCB, in case it is refused, the procedure will be adopted on merit of the case. The Authorization issued to the recycler / dismantler / manufacturer will carry the validity of 05 years and refurbisher need to take only one time authorization from the Board.

The status of all such authorization granted by the Board will be displayed on the website of the Board under the heading "Authorized Dismantler/Recycler/Refurbisher in State of Haryana under E-Waste (Management) Rules, 2016".

All the concerned shall ensure the compliance of the above said decision of the Board effectively.

Dated Panchkula, the
01.06.2018

Ashok Kheterpal
Chairman, HSPCB

Endst. No./HSPCB/2018/ 4160-4183

Dated:- 01/06/2018

A copy of the above alongwith Annexure is forwarded to the following for information of the officers.

1. All Regional Officers in the Field.
2. All Officers in Head Office.
3. Nodal Officer (IT)(HQ). He is requested to upload the above procedure on the website of the Board.
4. Nodal Officer HEPC Panchkula.

DA/- As above.

01/06/2018

Environmental Engineer (HQ)
For Chairman HSPCB

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Annexure-A

1. Duly filed up application in Form 4/Form 1(a) in triplicate.
2. Consent to Establish granted by the Board under Water Act, 1974 and Air Act, 1981.
3. Certified copy of registration issued by the District Industries Centre.
4. Proof of Annual installed capacity of plant and machinery for dismantling/ recycling of e-waste issued by the District Industries Centre or any other government agency authorized in this behalf.
5. Process flow chart for recycling/ dismantling of E-Waste.
6. Details of storage facility separate for raw material segregated material, dismantled parts, Hazardous Waste, Bag Filter Residue/ Floor Cleaning dust, ETP sludge, non recycler at.le/non removable components etc.
7. Details of air pollution control devices (APCDs) installed in the unit along with the diagramed and design scheme.
8. Details of effluent treatment plants installed in the unit along with diagram and design scheme.
9. Member ship and registration with TSDF operator authorized under Hazardous Waste (MH&TM) Rules, 2008 for disposal of hazardous & other wastes.
10. Power of attorney/authority letter of sign to the applicant.
11. Detail of facilities and arrangement provided at the facility for handling, dismantling/recycling/Refurbishing of E-Waste and management of hazardous waste as per provisions of rules and guidelines issued by the MoEF/CPCB.
12. Copy of the allotment letter with HUDA/HSIIDC/Municipal Corporation/Committee/ CLU with details of land and Building Plan

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Annexure-B

Spot inspection report of E-Waste Recycler

1.	Name of the unit	
2.	Address of the unit	
3.	Date of Receipt of application	
	Capital investment cost of the unit	
	Date of inspection	
6.	Date of completion of the project	
7.	Name & designation of the officers conducted inspection	
8.	Name of the representative of the unit present at the time of inspection	
9.	Category of E-Waste to be processed (as per schedule-1) (Submit details in codes as per Annexure-I as enclosed)	
10.	No. & Date of NOC(Consent to establish)	
11.	No. & Date of Consent (Consent to operate) (only in case of renewal of authorization)	
12.	Status of maintaining of records of E-waste handled or generated on form 2 at site. (Only in case of renewal of authorization)	
13.	Status of up-to date annual returns under E-Waste Rules on form 3 (only in case of renewal of authorization)	
14.	Status of annual return under HWOM Rules on form IV (only in case of renewal of authorization)	
15.	Status of record regarding E-waste manifest on form 6 (only in case of renewal of authorization) (Submit copies of E-Waste manifest for last 06 months).	
16.	Latest Analysis reports for air emissions and effluent discharged (only in case of renewal of authorization)	
17.	Whether the unit submitted the certificate of registration with DIC or any other agency, enclosed the copy of the same	

<p>9. The installed capacity of plant and machinery as declared by the unit through application form</p>	
<p>19. The proof of installed capacity of plant and machinery issued by the DIC or any other Govt. agency authorized, enclosed copy of the same.</p>	
<p>20. The source of E-Waste to be procured</p>	
<p>21. Quantity of E-Waste to be reprocessed</p>	
<p>22. Detail of recycling processes (The following processes would be employed by recyclers:</p> <ul style="list-style-type: none"> (i) Manual / semi- automatic / automatic dismantling operations (ii) Shredding / crushing / fine grinding/wet grinding/ enrichment operations, gravity/magnetic/density/eddy current separation (iii) Pyro metallurgical operations - Smelting furnace (iv) Hydro metallurgical operations (v) Electro-metallurgical operations (vi) Chemical leaching (vii) CRT/LCD/Plasma processing (viii) Toner cartridge recycling (ix) Melting, casting, moulding operations (for metals and plastics) 	
<p>23. and details with area (As a general rule a recycler of capacity of 1 Ton per day shall require a minimum of 500 square meters area. Authorisation to recyclers may be preferred if they have minimum operational capacity of 5 MT/day with an area of about 2500 square meter).</p>	
<p>24. The details of the CRT/LCD/Plasma TV dismantling and recycling facilities. (For recycling of CRT Monitors and TV care should be taken to contain release of harmful substances).</p>	
<p>25. Detail Of Fluorescent And Other Mercury Containing Lamp Recycling Facilities. (The Norm For Mercury Emission Is 0.2 Mg/ M³ (Normal) as prescribed under EP Act, 1986 and for discharge of effluent the limit of mercury (Hg) should be less than 0.01 mg/ltr)</p>	
<p>26. Detail of effluent generation from the recycling facility</p>	<p>Domestic _____ KLD</p>
<p>27. Detail of treatment of effluent generation from the recycling facility</p>	<p>Trade _____ KLD</p>
<p>28. Final mode of disposal of effluent with quantity: Domestic -Trade</p>	<p>Domestic Effluent</p>
	<p>Trade effluent</p>

4.	Component wise detail of the effluent treatment plant provided by the recycling facility with comment on adequacy	
30.	Component wise detail of APCM with comments of adequacy as per CPCB guidelines (Off gas treatment, wet/alkaline/packed bed scrubber and carbon filter, bag filters) (Fume hoods connected with bag dust collectors followed wet (chemical) scrubbers and carbon filters shall be installed for control of fugitive emissions from furnaces or reactor)	
31.	Noise control arrangement (Noise control arrangement for equipment like crusher, grinder and shredder needs to be provided).	
32.	Status of acoustic enclosures on DG sets with stack height along with detail of DG sets.	
33.	Height of Stacks/chimneys for all sources/APCM. (In case of furnace minimum stack height of 30 meter shall be installed depending upon emission rate of SO ₂)	
34.	Status of Energy meter installed on PCD's.	
35.	Detail of collection & storage facility for bag filter residue, floor cleaning dust, ETP sludge and other hazardous material.	
36.	Mode of disposal of hazardous Waste & Non recyclable /non recoverable components	
37.	Detail of membership/agreement with TSDF operators for disposal of hazardous waste.	
38.	Type of operation of dismantling.(Manual/semi manual/automatic/mechanized)	
39.	Detail of operations involved in dismantling	
40.	Detail of segregation operations.	
41.	Detail of gas recovery equipment & arrangement/facilities for storage, reuse & disposal for CFCs and HCFCs (in case of refrigerator & air conditions).	
42.	Detail of arrangement for handling/storage disposal of hazardous electronic components such as Hg Switches, PCBs etc.	
43.	Detail of collection boxes with capacity for dismantled components (in case of manual dismantling).	
44.	Detail of equipment along with numbers and specifications for use of workers to dismantling of e-waste	
45.	Detail of hood, ducting, bag dust collectors and chimney (in case of manual dismantling)	
46.	Detail of bag house & chimney on crusher (in case of mechanized dismantling)	

- 47. Detail of storage facilities for disassembled spare parts with adequacy
- 48. Detail of containers for storage of batteries and capacitor containing PCBs or PCT with adequacy
- 49. Detail regarding weather proof proofing and impermeable working surfaces and pavements with detail of area and spillage collections facilities, decanters, degassers and degreasers with adequacy report.
- 50. The detail of facilities for destroying or permanently deleting data stored in the memory of end of life products (Hard Disk, telephones, mobile phones)
- 51. Detail of storage facility with area and with the comment on adequacy.
 - I. Raw material.
 - II. Segregated material.
 - III. Dismantled parts.
 - IV. Dismantling operations
 - V. Office and other utilities.
- 52. Detail of weigh bridge along with number and capacity.
- 53. The details along with number and address of the collection centers part of channelization of E-Waste of the recycler.
- 54. The details of the producers along with EPR authorization issued by the CPCB to whom the recycler is the part of channelization of their E-waste. Submit copy of such agreements.
- 55. Details of the dismantlers of E-waste, along with authorization, who are supplying or supposed to supply their E-Waste
- 56. Other details of arrangements and facilities provided as site as per CPCB guidelines (not covered above)
- 57. Details of the authorized recyclers of metals/ non metals/ plastic if any, where the recovered E-Waste is being supplied for further processing or recycling/ use
- 58. Details of the personal protective equipments provided to workers for dismantling/ recycling operations
- 59. Detail of shortcomings/deficiencies in facility at site (as per CPCB guidelines).

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Comments of the team regarding installation of facility for handling, dismantling/recycling of e-waste with Environment sound technology in environmental sound manner with adequacy of pollution control measures as per provisions of E-waste (Management) Rules, 2016 & guidelines issued there under by CPCB:

2) Recommendations :-