

# MAHARASHTRA POLLUTION CONTROL BOARD

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2nd, 3rd & 4th floor,  
Opp. Cineplanet,  
Near Sion Circle, Sion (E)  
Mumbai - 400 022.

EIC No. MU-0889- 08/01- 03

RED/SSI /Recycler

Consent No. BO/MPCB/Mumbai/HSMD/CO/CC- B-570

Date: 12/15/2008.

Consent to Operate under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization / Renewal of Authorization under Rule 5 of the Hazardous Wastes (Management & Handling) Rules 1989 and Amendment Rules, 2003

[To be referred as Water Act, Air Act and HW (M&H) Rules respectively]

.....

CONSENT is hereby granted to,

M/s ECO RECYCLING LIMITED  
(Subsidiary of Infotrek Syscom Ltd.)  
26, Chandivali Road, Off Saki Vihar Road,  
Andheri (E), Mumbai.

located in the area declared under the provisions of the Water Act, Air act and Authorization under the provisions of HW(M&H) Rules and amendments thereto subject to the provisions of the Act and the Rules and the Orders that may be made further and subject to the following terms and conditions:

1. The Consent to Operate is granted for a period up to - 31/01/2009.
2. The Consent is valid for the manufacture of -

Sr. No.                      Product    Maximum Quantity

Sr. No.	Product	Maximum Quantity
	<b>Physical and Mechanical Separation of different components from Electrical and Electronic Waste such as</b>	
1	Glass	7000 MT/Y
2	Plastic	
3	Steel/iron	
4	Aluminum	
5	Copper	
6	Tin	
7	Zinc	
8	Nickel	
9	Gold	
10	Silver	
11	CFC	
12	Oil	
13	Batteries	
14	Compressors	
	<b>Details as per Annexure (Only dry process allowed)</b>	

### 3. CONDITIONS UNDER WATER ACT:

- (i) The daily quantity of trade effluent from the factory shall be Nil.  
 (ii) The daily quantity of sewage effluent from the factory shall not exceed 2.5 M<sup>3</sup>.

(iii) **Trade Effluent:**

Treatment : The applicant shall provide comprehensive treatment system consisting of primary / secondary and/or tertiary treatment as is warranted with reference to influent quality and operate and maintain the same continuously so as to achieve the quality of the treated effluent to the following standards :

1)	pH	Between	5.5 to 9.0
2)	Suspended Solids	Not to exceed	100 mg/l.
3)	BOD 3days 27 Deg. C.	Not to exceed	100 mg/l.
4)	COD	Not to exceed	250 mg/l.
5)	Oil & Grease	Not to exceed	10 mg/l.

(iv) **Trade Effluent Disposal:** N.A.

(v) **Sewage Effluent Treatment:** The applicant shall provide comprehensive treatment system as is warranted with reference to influent quality and operate and maintain the same continuously so as to achieve the quality of treated effluent to the following standards.

(1)	Suspended Solids	Not to exceed	100 mg/l.
(2)	BOD 3 days 27° C.	Not to exceed	100 mg/l.

(iv) **Sewage Effluent Disposal** The treated effluent shall be connected to the Soak pit and overflow shall be connected to the sewerage system provided by MCGM.

(vii) **Non-Hazardous Solid Wastes:**

Sr. No.	Type of waste	Quantity	Treatment	Disposal
1	Scrap plastic Packing Material Wood, Cardboard, gunny bag	1 MT/d	--	Sale to authorized recyclers/ Re-processors

(viii) **Other conditions:** The industry shall monitor effluent quality regularly(quarterly)

4. The applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Cess Act, 1977 (to be referred as Cess Act) and Rules there under:

The daily water consumption for the following categories is as under:

(i) Domestic	...	2.5 CMD
(ii) Industrial Processing	...	--- CMD
(iii) Industrial Cooling	...	--- CMD
(iv) Agriculture/Gardening	...	--- CMD

The applicant shall regularly submit to the Board the returns of water consumption in the prescribed form and pay the Cess as specified under Section 3 of the said Act.

### 5. CONDITIONS UNDER AIR ACT :

- (I) Industry shall use only the dry processes for metal recovery, cable cutting and close door CRT separation unit.  
 (II) No sort of incineration, chemical recovery or any other wet process should be utilized which could result smoke, odour, or any other air pollution.  
 (III) The applicant shall install a comprehensive control system consisting of control equipments as is warranted with reference to generation of emission and operate and maintain the same continuously so as to achieve the level of pollutants to the following standards:

**A) Control Equipment:**

- 1) Adequate fume extraction system followed by dust collector of sufficient capacity shall be provided at all dust generating location and operated properly shall be operated properly continuously
- 2) There shall not be any secondary (fugitive) emissions.

**B) Conditions for D.G. Set**

- 1] Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
- 2] Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/acoustic treatment of the room should be designed for minimum 25 dB(A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB(A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 metres from acoustic enclosure/room and then average.
- 3] The industry shall take adequate measures for control of noise levels from its own sources within the premises in respect of noise to less than 55 dB(A) during day time and 45 dB(A) during the night time. Day time is reckoned between 6 a.m. to 10 p.m and night time is reckoned between 10 p.m to 6 a.m.
- 4] Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
- 5] Installation of DG Set much be strictly in compliance with recommendations of DG Set manufacturer.
- 6] A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
- 7] D.G. Set shall be operated only in case of power failure.
- 8] The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.

**C) Standards for Emissions of Air Pollutants:**

(i) SPM/TPM	Not to exceed	50.00 mg/Nm <sup>3</sup>
(ii) SO <sub>2</sub>	Not to exceed	----- Kg/Day.
(iii) Lead	Not to exceed	10.00 mg/Nm <sup>3</sup>

**(II) The applicant shall observe the following fuel pattern:**

<u>Sr.No.</u>	<u>Type of Fuel</u>	<u>Quantity</u>
1.	HSD for portable DG Set	as required

**(III) The applicant shall erect the chimney(s) of the following specifications:**

<u>Sr.No.</u>	<u>Chimney attached to</u>	<u>Height in Mtrs.</u>
1	D.G. Set	3 m above the roof.

- (IV) The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/displayed to facilitate identification.

- (V) The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB(A) during day time and 70 dB(A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.

(VI) **Other Conditions:**

- 1) The industry should not cause any nuisance in surrounding area.
- 2) The industry should monitor stack emissions and ambient air quality regularly.

**6. CONDITIONS UNDER HW (M&H) RULES, 1989 & AMENDMENT RULES:**

The industry is hereby permitted to accept electric/ electronic waste appliances as Refrigerators and Freezers, Personal Computers, TV Sets as raw material to separate component as product as Glass, Plastic, Steel/Iron, Aluminum, Copper, Tin, Zinc, Nickel, Gold, Silver, CFC, Oil, Batteries, Compressors - 7000 MT/Y.

- a. The industry shall transport hazardous waste through MPCB Authorized Transporter only.
- b. The industry shall submit Manifest in form no.9, strictly while transporting Hazardous Waste.
- c. The industry shall submit Annual Returns in Form 4 & 12 to the Board by 31<sup>st</sup> every year.

(i) The Industry shall handle hazardous wastes as specified below.

Sr. No.	HW category as per Schedule-I	Type of Waste	Quantity in MT/A	Disposal
1	As per Annexure	Electrical & Electronic Waste	200	Sale to Registered Recycler /Sent to CHWTSDF for landfill.
2	Precious Metals	Electrical & Electronic Waste	400	Sale to Registered Recycler

(ii) Treatment: As above

(iii) Collection /Storage/Transport and Disposal of Hazardous Waste:- As Above.

(iv) The industry should comply with the Hazardous Waste( M&H) Rules,2003.

7. Whenever due to any accident or other unforeseen act or even, such emission occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.

**8. Specific Conditions for storage, Handling and Disposal of Waste from Electrical & Electronic equipment(WEEE):**

i) **Collection of WEEE -**

The applicant must provide appropriate and dedicated vehicles duly identified as per the norms for transportation of Hazardous Waste. The applicant shall obtain all the required permits for transportation of WEEE from competent authority. The applicant shall ensure the safe transport of the WEEE without any spillage to the above mentioned site.

ii) **Storage for disassembled parts:**

The applicant must provide appropriate storage for disassembled spare parts from WEEE. Some spare parts (e.g. motors and compressors) will contain oil and/or other fluids.

Such part must be appropriately segregated and stored in containers that are secured such that oil and other fluids cannot escape from them. These containers must be stored on an area with an impermeable surface and a sealed drainage system.

### iii) Storage for other components and residues

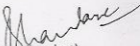
Other components and residues arising from the treatment of WEEE will need to be contained following their removal for disposal or recovery. Where they contain hazardous substances they should be stored on impermeable surface and in appropriate containers or bays with weatherproof covering. Containers should be clearly labeled to identify their contents and must be secure so that liquids, including rain water, cannot enter them. Components should be segregated having regard to their eventual destinations and the compatibility of the component types. All batteries should be handled and stored having regard to the potential fire risk associated with them.

### iv) Balances

WEEE Directive also requires that sites for handling of WEEE have "balances to measure the weight of the segregated waste". The objective is to ensure that a record of weights can be maintained of WEEE entering a facility and components and materials leaving each site (together with their destinations). The nature of the weighing equipment should be appropriate for the type and quantity of WEEE being processed.

- v) Plastic, which cannot be recycled and is hazardous in nature, is recommended to be land filled in nearby CHWTSDF.
  - vi) Ferrous and non ferrous metal recycling facilities fall under the purview of existing environmental regulations for air, water, noise, land and soil pollution and generation of hazardous waste and the same should be followed.
  - vii) CFCS should be either reused or incinerated in common hazardous waste incineration facilities at CHWTSDF.
  - viii) Waste Oil should be either reused or incinerated in common hazardous waste incineration facilities.
  - ix) Capacitors containing PCB's shall be incinerated in common hazardous waste incineration facilities at CHWTSDF.
  - x) Mercury recovery and lead recycling facilities from batteries fall under the existing environmental regulations for air, water, noise, land and soil pollution and generation of hazardous waste and the same should be followed. In case Mercury or lead recovery is very low, they can be temporarily stored at e-waste dismantling facility and later disposed in TSDF.
9. The applicant shall abide by the guidelines for e-waste management being finalized by CPCB/MoEF and also adhere to the provisions of HW(M&H) Rules as amended from time to time.
  10. The Industry shall obtain membership of CHWTSDF before commencement of the production.

11. The industry shall obtain all necessary / statutory permissions from concerned agencies and this consent shall not be construed as fulfillment of these requirements.
12. Industry shall maintain record of destruction of electronic waste collected from generator and submit it to MPCB every month.
13. Industry shall submit details of electronic waste collected through organized and unorganized sector to MPCB every month.
14. Industry shall obtain necessary permission from MoEF/CPCB for disposal of H.W.
15. The capital investment of the industry is Rs. 14.0 Crore.
16. The applicant shall comply with the conditions as stipulated under Annexure-I & II enclosed.

  
(Sanjay Khandare)  
Member Secretary

To,  
M/s ECO RECYCLING LIMITED  
(Subsidiary of Infotrek Syscom Ltd.)  
26, Chandivali Road, Off Saki Vihar Road,  
Andheri (E), Mumbai.

**Copy to:**

- 1) Regional Officer, MPCB, Mumbai
- 2) Sub-Regional Officer, MPCB, Mumbai
- 3) Chief Accounts Officer, MPCB, Mumbai

Received Consent fee of -

Amount	D.D.No.	Date	Name of Bank
Rs. 50000/-	017503	05/02/2008	Kotak Mahindra Bank

4] Cess Branch, MPCB, Mumbai.

5] Master file.